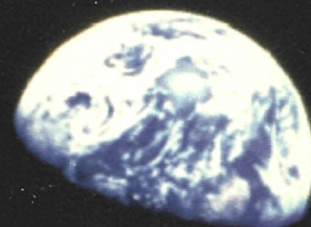


# Environmental protection expenditure



in Member States



First edition

1988-96



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in Member States



First edition



1988-96

A great deal of additional information on the European Union is available on the Internet.  
It can be accessed through the Europa server (<http://europa.eu.int>).

Cataloguing data can be found at the end of this publication.

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PRINTED ON WHITE CHLORINE-FREE PAPER

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## Foreword

This is the first publication on environmental protection expenditure in the European Union in this format. It provides harmonised statistics on environmental protection expenditure by General Government, Industry and economic-oriented response indicators.

This publication presents the results of the work in this area and calls attention to the different stages of development of the statistical systems of Member States in environmental protection expenditure statistics. Eurostat has been working for several years to expand Member State statistical systems in this field.

Environmental protection is any activity which has as its goal the maintenance or restoration of the cleanliness of environmental media through prevention of emission of pollution substances, of noise etc., or through reduction of the presence of polluting substances in environmental media.

Also included are activities aimed at the conservation of wild species and habitats, the preservation of landscapes and research and development-related activities to monitor and analyse environmental conditions.

Eurostat wishes to thank the Member States for their contribution to this project. Finally, Eurostat acknowledges the extensive support of Directorate-General XI B.1.

### **Responsible**

Authorisation of the preparation of this publication was the responsibility of

Mrs Inger ÖHMAN,  
Head of Unit F3,  
Environment Statistics, Eurostat

### **Project Coordinator**

Mr Rogério REIS

### **Data processing, statistical analysis, layout and composition**

Peter LINDMARK

### **You**

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### **E-mail us**

Send comments to:

Mr Rogério REIS  
rogerio.reis@eurostat.cec.be

### **Date**

All data from Eurostat were extracted on 1 June 1998.

### **Keep yourself updated on "Environmental Protection Expenditure Statistics and Indicators" via the Internet**

Please visit:

<http://europa.eu.int/eu/comm/eurostat/serven/part7/env/wpen.htm>

## Acknowledgements

### **Member states**

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DK - Danmark

Eyvind VESSELBO, Carsten PETERSEN, Danmarks Statistik

D - Deutschland

Heinrich SPIES, Helga LIMBERT, Statistisches Bundesamt

EL - Hellas

Emmanuel MARGARITIS, National Statistical Office Greece; Michael SKOURTOS, University of the Aegean

E - España

Fernando NIÑO OLMEDO, Ministerio de Medio Ambiente

F - France

Daniel DESAULTY, IFEN; Gérard VITTEK, Ministère de l'Industrie, de la Poste et des Telecommunications

I - Italia

Cesare COSTANTINO, Isabella PIERANTONI, Angelica TUDINI, ISTAT

NL - Nederland

Egon DIETZ, Centraal Bureau voor de Statistiek

A - Österreich

Susanne GERHOLD, Österreichisches Statistisches Zentralamt

P - Portugal

Mario BAPTISTA, Nuno ROMÃO, Instituto Nacional de Estatística

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## Structure of this publication

The publication is divided into four parts.

### **Part A - Economic Oriented Response Indicators**

The first part gives an overview of the environmental expenditure of EU as a total and of Member states in absolute and relative terms. It uses National Accounts aggregates like Gross Fixed Capital Formation (GFCF), Gross Domestic Product (GDP) and Population to create economic oriented response indicators.

### **Part B - Environmental Protection Expenditure by General Government**

The second part contains profiles and tables for the EU countries that have responded to the General government questionnaire. The country profile is divided into graphs and analysis:

- General Government expenditure by type of transaction. This covers available figures for Output, Revenue and GFCF during the 1988 to 1996 period.
- Share of transactions by level of Government (Central, State and Local) intending to show the major players in the field.
- Share by domain. - Which domains stood for most of the output, revenue or GFCF?

### **Part C - Environmental Protection Expenditure by Industry**

The third part contains profiles and tables for the EU countries that have responded to the Industry questionnaire. The country profile is divided into graphs and analysis:

- Type of transaction. Covers available figures for investments and current expenditure during the 1988 to 1996 period.
- Share by sector. - Which sector attracted most environmental investments or current expenditure?
- Share by domain. - Which environmental domains stood for most of investments or current expenditure?
- Share of investments. Which sectors attracted most "End-of-pipe" investments or "Integrated technologies"?

### **Part D - Methodological Notes**

The fourth part takes a look at the two Eurostat questionnaires and explains the items of each dimension of the data matrix. The types of transactions and types of expenditure are defined.

The estimation technique used to make aggregates is described as well as the estimation for EU environmental protection expenditure.

---

## Some Key Concepts and Classifications on Environmental Protection Expenditure

**Environmental Protection** groups together all actions that are aimed at the prevention, reduction and elimination of pollution as well as any other degradation of the environment.

**Environmental Protection Expenditure** is mainly aimed at maintaining the particular quality of the environment and avoiding its degradation.

**CEPA** is the Single European Standard Statistical Classification of Environmental Protection Activities, and was prepared by UN/ECE and Eurostat.

**SERIEE** is the European System for the Collection of Economic Information on the Environment

**Characteristic activities** are activities whose purpose is environmental protection. These are activities characteristic for the field of environmental protection.

**Specialized producers** execute characteristic activities as their principal activity. Specialized producers belonging to general government and non-profit institutions serving households institutional sectors are distinguished from specialized producers belonging to other sectors.

**Non-specialized characteristic producers** execute a characteristic activity as secondary or ancillary to a principal non-characteristic activity. These producers are regrouped according to their non-characteristic activity.

**Response indicators** measure societal actions taken as a result of identified changes in the state of the environment and may include environmental, general economic or sectoral policies.

**Economic-Oriented Response Indicators** are based on a monetary valuation of environmental protection activities.

## Introduction

Environmental protection expenditure is the expenditure incurred in actions whose purpose is the prevention, reduction and elimination of pollution as well as any other degradation of the environment. This concept is defined in the European System for the Collection of Economic Information on the Environment (SERIEE).

SERIEE is a system that encompasses a set of satellite accounts on environment protection expenditure. The Environmental Protection Expenditure Account (EPEA) constitutes its first stage. It includes an account on each environmental domain as defined by CEPA, the Single Standard Classification for the Protection Activities and Facilities.

Satellite accounts are extensions of the National Accounts, as proposed by the SNA (System of National Accounts) and should be implemented whenever an area is considered relevant from the point of view of decision-making, requires the development of integrated sectoral and institutional policies and has an impact on people's living conditions.

The conceptual background included in the EPEA has provided an insight into the market of environmental protection activities in terms of producers (grouped by institutional sectors) and in terms of users (by institutional sector) i.e., a functional analysis of the economy in this area.

Using this identification of the major players and major activities, priorities could be set out for data collection, i.e., industry and both central and local governments.

Using the delimitation of the scope of the area and the classification of the transactions (imported and adapted from the National Accounts) it was possible to define the main environmental variables to collect in each one of these sectors.

The orientations for the construction of comparable time series and the implementation of compatible systems for data collection in every Member State were therefore ensured.

To produce satellite accounts requires implementation work at country level (such as the national accounts). Their aggregates are then adequate for sectoral, national and international users.

This implementation requires, however that Member States collect a large number of basic statistics. These basic statistics can serve several uses and users at sectoral, national and international level only if these statistics are conceived and harmonised according to international rules and concepts.

To this end, Eurostat put considerable effort into the development, refinement and improvement of existing classifications especially with the view of including environmental aspects in these classifications (COFOG, COICOP, NACE and COPP). This effort has proved to be essential to the improvement of quality and relevance of information, as these are fundamental tools for data collection in Member States for this area of statistics.

The current practices Member States employ in terms of the development of their statistical systems for the production of economic environmental data remains quite varied, as this publication shows. The main reasons for this are: 1) existing national frameworks and methodologies, previously developed, have to be adapted to a common European Union framework and 2) Environmental issues require a horizontal approach, i. e. data on several players and areas of activities have to be gathered in order to produce an overview. This fact increases the complexity of the statistical systems.

A few Member States have contributed greatly to the development of the system by their previous implementation of these types of environmental reporting systems. However all Member States have made substantial progress. The more advanced Member States introduced changes and adapted their data to the subsequently agreed international concepts while the other Member States concentrated on implementing new surveys and on analyses of public budgets.

Initially, environmental problems were identified at local level but nowadays they are envisaged at a global level without disregard for their local and regional characteristics. This implies that environmental protection expenditure tends towards prevention. This fact can be seen by the increase of 'integrated technology' compared to 'end-of-pipe' investment, at least till the former reaches a certain level, depending on the industrial sector's characteristics. It is the first time that data on these issues are made available to policy makers and researchers.

Data on General Government expenditure present information from different government levels (local, central) of environmental domains. These data are also made available for the first time.

It is nevertheless stressed that before any conclusions are reached on the published data, there should be an awareness of the following issues:

- Total expenditure is assessed by the sum of current expenditure and investment. The trend of this variable is not extrapolated (therefore) from the business cycle variations of investment and reflects neither the cost concept, i.e. the amount spent on capital goods in the year it is included, nor the estimation of its annual cost over its economic life.
- Different activities use different factor combinations (labour and capital). Capital intensity is correlated (therefore) with the average level of investment in each activity.
- An increase of the environmental protection expenditure or its relative level by activity and country does not imply that the environmental conditions in that country are better or that a certain type of activity pollutes more or less than another.
- The share between industry/government expenditure is related to the political/administrative organisation of the country.



**E** nvironmental

**P** rotection

**E** xpenditure

Part

**A**

# Economic- Oriented Response Indicators



## Tables in part A:

### Overview

Relationship between EPE per capita and GDP per capita

European Union Environmental Protection Expenditure

General Government Environmental Protection Expenditure share of European Union

Industry Environmental Protection Expenditure share of European Union

### General Indicators

- 1.1 Environmental Protection Expenditure as a % of GDP
- 1.2 Environmental Protection Expenditure per Capita
- 1.3 Distribution of investment between General Government and Industry

### General Government

- 2.1 Distribution of average General Government costs by Environmental domain
- 2.2 Distribution of average General Government revenue by Environmental domain
- 2.3 Distribution of average General Government Gross Fixed Capital Formation by Environmental domain

### Industry

- 3.1 Average share of Environmental Protection Investments, End-of-pipe and Integrated Technologies, by Industry
- 3.2 Distribution of Industry investments by Environmental domain
- 3.3 Distribution of Industry investments by economic sector
- 3.4 Distribution of Industry Current Expenditure by Environmental domain
- 3.5 Distribution of Industry Current Expenditure by economic sector
- 3.6 Distribution of Industry Operational Benefits by Environmental domain
- 3.7 Distribution of Industry Operational Benefits by economic sector
- 3.8 Industry Labour Inputs in number of persons and as a share of Total Population

## Overview

European Union Environmental Protection Total Expenditure accounted for 1.0% of GDP or ECU 186 per capita in 1995. From 1992 to 1995 the EU Total expenditure as a percentage of GDP increased 13%, while the EU expenditure per capita increased 36%.

European Union Environmental Protection Total Expenditure grew each year from ECU 53.2 bn in 1992 to ECU 65.5 bn in 1995, an increase of 23%. However the increase from 1994 was relatively small.

The increase during the 1992 to 1995 period is mostly due to growth in EU General Government expenditures reported. While EU General Government environmental expenditure increased 34%, the EU Industry environmental expenditure decreased 6%. The EU GDP increased 9% during the same period.

Germany's share of EU Environmental Protection Expenditure was the biggest for all years (1992 - 95) for General Government expenditure.

With 27.5% of EU General Government Environmental Protection Expenditure in 1992 the share for Germany rose to 33.3% in 1995. Second was France with 14.3% in 1992 and 14.1% in 1995. Third was the Netherlands with a share falling from 7.8% in 1993 to 6.5% in 1995.

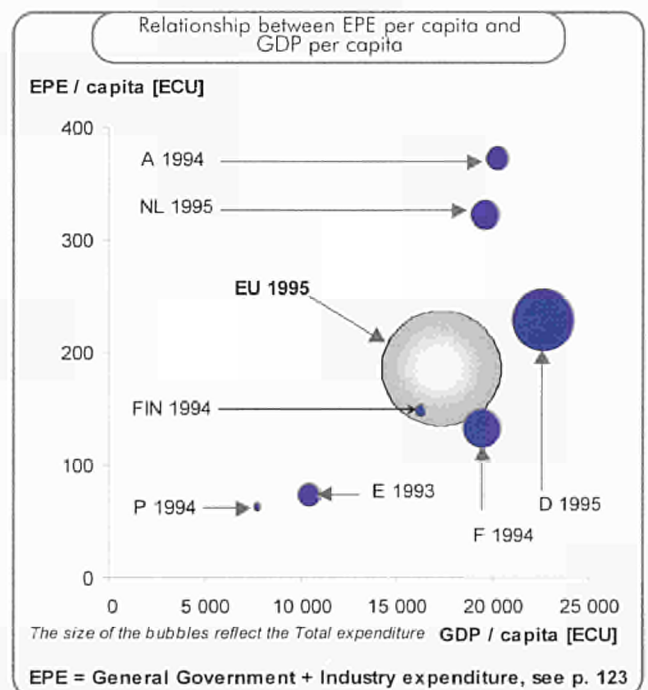
Germany's share of EU Environmental Protection expenditure by Industry fell from 19.3% in 1992 to 15.4% in 1995. The United Kingdom had the largest share with 21.3% in 1994. Third was the Netherlands with a share of 12.9% in 1994 and 11.6% in 1995.

The graph below allow us to compare the Environmental Protection Expenditure (EPE) efforts with the size of GDP. Considering GDP per capita gives a better proxy to compare the different economic development of countries. The relative size of the total environmental protection expenditure is represented by the scale of the bubbles. The graph shows the latest available year for each available country, while the table on the left side shows all available years.

Note that a comparison analysis may only be done with care, due to the different stages of development of the statistical systems of the Member states. The following analysis states the statistical evidence of available figures.

Looking at the countries with a relatively high GDP per capita (i.e. Germany, the Netherlands, Austria and France), Austria has the highest EPE per capita, while in absolute figures the expenditure is relatively small. The Netherlands followed with a smaller GDP and EPE per capita, but with a slightly bigger EPE in absolute terms. Germany with the highest GDP per capita had a EPE per capita that is almost half of Austria's. However in absolute terms Germany had the biggest expenditures. These three countries had both the EPE per capita and GDP per capita above the European Union average.

Total expenditure		<i>EPE</i> (million ECU)	<i>GDP</i> per capita (million ECU)	<i>EPE</i> % of GDP	<i>EPE</i> per capita (million ECU)
EU	1995	65 454	17 316	1.0	186
EU	1994	64 619	16 716	1.0	170
EU	1993	56 249	15 997	1.0	150
EU	1992	53 202	16 031	0.9	137
D	1994	19 406	21 211	1.1	239
D	1995	18 696	22 630	1.0	229
D	1993	15 554	20 141	1.0	192
D	1992	13 451	18 964	0.9	168
F	1994	7 680	19 429	0.7	133
F	1993	6 674	18 543	0.6	116
NL	1995	4 969	19 612	1.6	322
E	1993	3 005	10 463	0.7	73
A	1994	2 987	20 262	1.8	373
FIN	1994	757	16 227	0.9	149
P	1995	624	7 758	0.8	63
P	1994	571	7 228	0.8	58



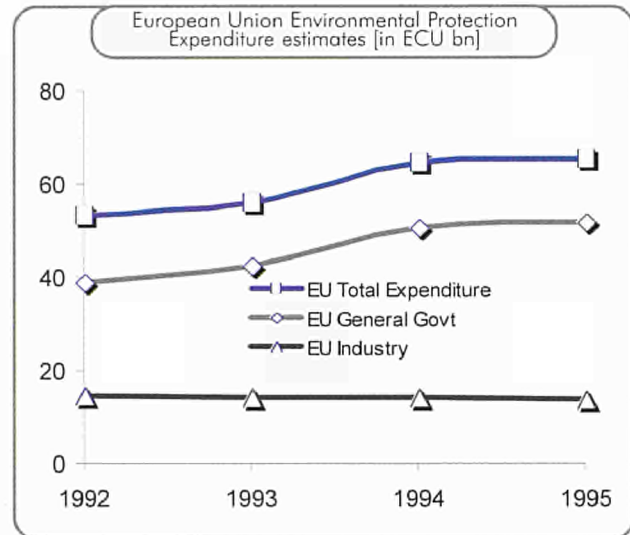


[ECU bn]

*European Union  
Environmental Protection  
Expenditure*

EU Total expenditure =  
EU General Government  
expenditure + EU Industry  
expenditure.

	1992	1993	1994	1995
EU Total Expenditure	53.2	56.2	64.6	65.5
EU General Govt	38.8	42.3	50.5	51.9
EU Industry	14.4	14.0	14.1	13.5

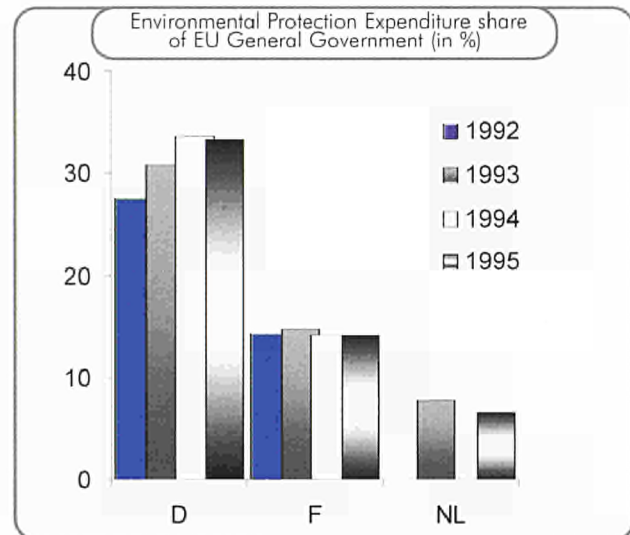


[%]

*Environmental Protection Expenditure  
share of EU General Government*

Others include estimates for the listed countries with a ":" plus the estimates of the not listed EU countries.

	1992	1993	1994	1995
D	27.5	30.7	33.7	33.3
F	14.3	14.7	14.1	14.1
NL	:	7.8	:	6.5
P	1.2	1.0	0.9	1.0
DK	0.8	0.8	0.8	0.9
A	:	:	3.5	:
FIN	:	:	0.7	:
E	3.5	4.2	:	:
Others	52.6	40.7	46.4	44.1

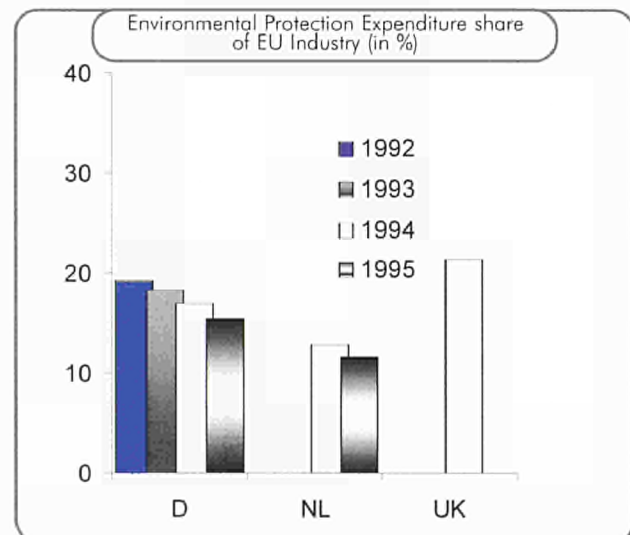


[%]

*Environmental Protection Expenditure  
share of EU Industry*

Others include estimates for the listed countries with a ":" plus the estimates of the not listed EU countries.

	1992	1993	1994	1995
D	19.3	18.3	17.0	15.4
NL	:	:	12.9	11.6
UK	:	:	21.3	:
A	:	:	8.8	:
F	:	4.0	4.0	:
FIN	3.2	3.3	2.8	:
E	:	7.7	:	:
P	:	:	0.8	0.8
Others	77.5	66.8	32.4	72.1



## 1.1 Environmental Protection Expenditure as a % of GDP

[%]

	Total Expenditure				General Government Expenditure					Industry Expenditure			
	1992	1993	1994	1995	1992	1993	1994	1995	1996	1992	1993	1994	1995
EU	0.9	1.0	1.0	1.0	0.7	0.7	0.8	0.8	:	0.2	0.2	0.2	0.2
B	:	:	:	:	:	:	:	:	:	:	:	:	:
DK	:	:	:	:	0.4	0.4	0.4	0.4	0.4	:	:	:	:
D	0.9	1.0	1.1	1.0	0.7	0.8	1.0	0.9	0.9	0.2	0.2	0.1	0.1
EL	:	:	:	:	:	:	:	:	:	:	:	:	:
E	:	0.7	:	:	0.4	0.4	:	:	:	:	0.3	:	:
F	:	0.6	0.7	:	0.5	0.6	0.6	0.6	:	:	0.0	0.1	:
IRL	:	:	:	:	:	:	:	:	:	:	:	:	:
I	:	:	:	:	:	:	:	:	:	:	:	:	:
L	:	:	:	:	:	:	:	:	:	:	:	:	:
NL	:	:	:	1.6	:	1.2	:	1.1	:	:	:	0.6	0.5
A	:	:	1.8	:	:	:	1.1	:	:	:	:	0.8	:
P	:	:	0.8	0.8	0.7	0.6	0.6	0.7	:	:	:	0.2	0.1
FIN	:	:	0.9	:	:	:	0.4	:	:	0.6	0.6	0.5	:
S	:	:	:	:	:	:	:	:	:	:	:	:	:
UK	:	:	:	:	:	:	:	:	:	:	:	0.4	:

Please see methodological notes page 1231

Total Expenditure = General Government Expenditure + Industry Expenditure

## 1.2 Environmental Protection Expenditure per Capita

[ECU/  
person]

	Total Expenditure				General Government Expenditure					Industry Expenditure			
	1992	1993	1994	1995	1992	1993	1994	1995	1996	1992	1993	1994	1995
EU	137	150	170	186	100	114	134	149	:	37	36	36	37
B	:	:	:	:	:	:	:	:	:	:	:	:	:
DK	:	:	:	:	64	68	73	88	82	:	:	:	:
D	168	192	239	229	133	160	209	204	209	34	32	30	26
EL	:	:	:	:	:	:	:	:	:	:	:	:	:
E	:	73	:	:	35	46	:	:	:	:	27	:	:
F	:	116	133	:	97	108	123	126	:	:	8	10	:
IRL	:	:	:	:	:	:	:	:	:	:	:	:	:
I	:	:	:	:	:	:	:	:	:	:	:	:	:
L	:	:	:	:	:	:	:	:	:	:	:	:	:
NL	:	:	:	322	:	216	:	220	:	:	:	119	102
A	:	:	373	:	:	218	:	:	:	:	:	155	:
P	:	:	58	63	47	43	47	52	:	:	:	11	11
FIN	:	:	149	:	:	:	71	:	:	101	90	78	:
S	:	:	:	:	:	:	:	:	:	:	:	:	:
UK	:	:	:	:	:	:	:	:	:	:	:	52	:

### 1.3 Distribution of investment between General Government and Industry

[%]

	1993		1994		1995	
	General Govt	Industry	General Govt	Industry	General Govt	Industry
Belgium	:	:	:	:	:	:
Denmark	:	:	:	:	:	:
Germany	71.1	28.9	78.0	22.0	78.6	21.4
Greece	:	:	:	:	:	:
Spain	:	:	:	:	:	:
France	86.9	13.1	85.9	14.1	:	:
Ireland	:	:	:	:	:	:
Italy	:	:	:	:	:	:
Luxembourg	:	:	:	:	:	:
Netherlands	:	:	:	:	58.7	41.3
Austria	:	:	60.9	39.1	:	:
Portugal	:	:	70.0	30.0	72.9	27.1
Finland	:	:	48.7	51.3	:	:
Sweden	:	:	:	:	:	:
United Kingdom	:	:	:	:	:	:

Notes for table 1.1 - 1.3:

General government:

DK: only "Central & State gov" and Output included.  
E: GFCF not included.

Industry:

D, F: Current expenditure not included

## 2.1 Distribution of average General Government costs by Environmental domain

[%]	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'ment	Other Activities
Belgium	:	:	:	:	:	:	:	:	:
Denmark	0.0	4.2	0.1	5.5	0.0	54.1	0.0	13.5	22.7
Germany	7.7	34.9	44.9	:	:	2.3	:	2.6	7.5
Greece	:	:	:	:	:	:	:	:	:
Spain	1.3	17.6	44.4	7.5	0.1	20.6	0.3	1.9	6.2
France	:	23.8	55.3	:	:	2.8	:	7.6	10.4
Ireland	:	:	:	:	:	:	:	:	:
Italy	:	:	:	:	:	:	:	:	:
Luxembourg	:	:	:	:	:	:	:	:	:
Netherlands	1.5	35.3	27.6	9.3	3.5	:	:	:	22.9
Austria	0.9	66.8	9.7	0.7	0.9	6.4	0.0	2.2	12.5
Portugal	0.2	29.7	37.5	0.2	0.0	7.3	0.0	0.2	25.0
Finland	:	57.0	15.1	:	:	:	:	:	6.8
Sweden	:	51.4	39.2	:	:	:	:	:	9.5
United Kingdom	:	:	:	:	:	:	:	:	:

Costs = Intermediate consumption + Compensation of employees + Consumption of fixed capital.  
Average refers to available years (during the 1988 - 96 period) for each country.

## 2.2 Distribution of average General Government revenue by Environmental domain

[%]	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'ment	Other Activities
Belgium	:	:	:	:	:	:	:	:	:
Denmark	0.0	70.7	8.5	2.0	0.0	12.1	0.0	3.6	3.1
Germany	4.2	52.8	39.7	:	:	0.2	:	0.0	3.2
Greece	:	:	:	:	:	:	:	:	:
Spain	1.4	20.9	56.2	4.8	0.0	13.9	:	1.3	1.6
France	:	30.4	69.6	:	:	:	:	:	:
Ireland	:	:	:	:	:	:	:	:	:
Italy	0.0	18.2	79.3	1.0	0.0	1.4	:	:	0.1
Luxembourg	:	:	:	:	:	:	:	:	:
Netherlands	0.2	52.1	40.5	2.4	1.3	:	:	:	3.6
Austria	3.0	77.8	4.9	1.9	0.3	8.8	0.0	0.2	3.1
Portugal	0.0	68.5	2.1	0.0	:	29.2	:	:	0.2
Finland	:	76.9	18.8	:	:	:	:	:	1.4
Sweden	:	:	:	:	:	:	:	:	:
United Kingdom	:	:	:	:	:	:	:	:	:

## 2.3 Distribution of average General Government Gross Fixed Capital Formation by Environmental domain

[%]	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities
Belgium	:	:	:	:	:	:	:	:	:
Denmark	0.0	2.4	3.5	4.3	0.0	56.4	0.0	15.2	18.2
Germany	3.2	80.5	14.4	:	:	1.2	:	0.0	0.7
Greece	:	:	:	:	:	:	:	:	:
Spain	:	:	:	:	:	:	:	:	:
France	:	68.2	7.2	:	8.6	3.8	:	1.3	10.9
Ireland	:	:	:	:	:	:	:	:	:
Italy	:	:	:	:	:	:	:	:	:
Luxembourg	:	:	:	:	:	:	:	:	:
Netherlands	0.1	55.1	43.8	0.1	:	:	:	:	1.0
Austria	0.2	95.7	1.9	0.1	0.4	0.3	0.0	0.5	0.8
Portugal	0.6	74.8	12.0	0.3	0.0	4.8	0.0	0.2	7.1
Finland	:	55.9	9.2	:	:	:	:	:	3.2
Sweden	:	82.4	10.2	:	:	:	:	:	7.4
United Kingdom	:	:	:	:	:	:	:	:	:

Average refers to available years (during the 1988 - 96 period) for each country.

## 3.1 Share of Environmental Protection Investments, End-of-pipe and Integrated Technologies, by Economic Sector

[%]	D 1995	E 1993	NL 1994	NL 1995	A 1994	P 1994	P 1995	FIN 1992	UK 1994
1. Investments	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.1 End-of-pipe	80.4	57.9	48.0	54.1	80.4	80.1	80.1	57.4	77.0
Mining and quarrying	2.7	0.4	6.6	11.7	0.9	0.5	0.5	0.5	3.6
Food products; beverages & tobacco	8.9	5.8	2.8	6.8	8.9	8.0	8.0	0.9	4.4
Textiles & leather products	1.0	1.2	1.4	0.4	1.2	3.9	3.9	:	1.9
Wood and wood products	2.2	0.7	0.2	0.3	9.4	1.3	1.3	0.1	0.2
Pulp, paper products; publishing & printing	3.9	1.6	0.4	2.6	13.1	7.9	7.9	20.1	10.8
Coke, ref. petroleum prod. & nuclear fuel	8.4	0.0	4.6	0.4	:	18.7	18.7	1.0	0.2
Chemicals, rubber & plastics	24.2	17.2	9.1	22.3	10.4	3.0	3.0	:	17.8
Other non-metallic mineral products	5.2	8.5	2.4	2.1	5.8	4.9	4.9	0.1	11.3
Basic metals	5.9	1.4	0.8	2.4	:	0.8	0.8	:	5.8
Fabricated metal products	2.6	13.7	0.7	1.6	:	1.7	1.7	:	1.9
Machinery and equipment	15.5	3.5	0.7	2.9	15.7	13.2	13.2	:	11.3
Electricity, gas, steam & hot water supply	:	1.9	17.6	0.6	15.1	16.0	16.0	34.8	6.3
Collection, purification & distrib. of water	:	1.9	0.7	0.1	:	0.1	0.1	:	1.7
1.2 Integrated technologies	19.6	35.2	52.0	45.9	19.6	19.9	19.9	27.3	23.0
Mining and quarrying	0.9	0.0	1.1	9.2	0.2	0.0	0.0	0.0	0.0
Food products; beverages & tobacco	2.0	11.2	3.9	3.6	2.8	1.5	1.5	0.6	2.3
Textiles & leather products	0.3	0.3	0.2	0.1	0.7	1.8	1.8	:	0.3
Wood and wood products	0.4	0.4	0.0	0.1	3.3	0.4	0.4	0.0	0.3
Pulp, paper products; publishing & printing	0.8	2.0	0.6	1.0	0.3	8.1	8.1	19.8	1.4
Coke, ref. petroleum prod. & nuclear fuel	1.5	0.1	3.3	1.5	:	0.0	0.0	0.5	0.0
Chemicals, rubber & plastics	4.5	10.1	8.4	20.3	1.8	1.4	1.4	:	9.7
Other non-metallic mineral products	1.5	2.0	0.8	5.2	1.5	0.7	0.7	0.1	2.1
Basic metals	4.2	0.3	0.2	1.5	:	0.0	0.0	:	1.1
Fabricated metal products	0.7	2.2	1.1	0.7	:	1.0	1.0	:	1.5
Machinery and equipment	2.8	6.0	0.5	1.3	8.4	4.5	4.5	:	3.8
Electricity, gas, steam & hot water supply	:	0.7	31.5	1.5	0.5	0.0	0.0	6.3	0.3
Collection, purification & distrib. of water	:	0.0	0.4	0.2	:	0.4	0.4	:	0.2

### 3.2 Distribution of Industry Investments by Environmental domain

[%]		Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't.	Other Activities
D	1988	54.1	31.7	10.0	:	4.2	:	:	:	:
	1989	50.4	35.0	10.9	:	3.6	:	:	:	:
	1990	49.1	35.1	11.2	:	4.5	:	:	:	:
	1991	49.6	32.1	13.2	:	5.1	:	:	:	:
	1992	48.0	34.3	13.1	:	4.6	:	:	:	:
	1993	45.8	34.4	15.4	:	4.4	:	:	:	:
	1994	46.4	33.2	14.9	:	5.6	:	:	:	:
	1995	42.4	35.3	15.4	:	6.9	:	:	:	:
E	1993	37.7	27.3	14.3	0.8	13.0	5.2	:	:	1.7
F	1993	1.4	71.1	21.9	:	5.5	:	:	:	:
	1994	33.5	48.6	14.4	:	3.5	:	:	:	:
NL	1994	66.8	16.1	4.6	7.8	3.7	1.1	:	:	:
	1995	36.3	25.8	7.6	15.9	6.3	8.1	:	:	:
A	1994	51.1	24.1	18.7	0.2	5.9	:	:	:	:
P	1990	44.6	17.9	36.4	:	1.1	:	:	:	:
	1991	22.4	71.2	5.3	:	1.1	:	:	:	:
	1994	61.4	22.9	10.7	0.7	1.5	:	:	:	2.9
	1995	58.8	22.0	10.2	0.7	1.4	:	:	:	6.9
FIN	1992	59.6	34.0	4.4	1.4	:	:	:	:	0.6
	1993	63.4	32.6	2.3	1.2	:	:	:	:	0.5
	1994	50.5	41.4	5.3	1.0	:	:	:	:	1.8
UK	1994	48.7	27.8	12.3	:	2.5	:	:	:	8.8

The order of countries and years are the same as in Part C - Environmental Protection Expenditure by Industry

F 1993, Air & Climate: Investments were only recorded in two sectors.

NL 1994, Air & Climate: Extraordinary large investment in Integrated Technologies and Electricity, Gas, Steam & Hot Water supply.

### 3.3 Distribution of Industry investments by economic sector

[%]		Mining & Quarrying	Food Beverage Tobacco	Textile & Leather	Wood & Wood products	Pulp Paper Publishing	Coke Petroleum Nucl. fuel	Chemicals Rubber Plastics	Other non-met. Mineral	Basic Metals	Fabricated Metal products	Machinery & Equipment	Electricity Gas, Steam Hot Water	Collection pur & distr. of Water
D	1988	100.0	:	:	:	:	:	:	:	:	:	:	:	:
	1989	100.0	:	:	:	:	:	:	:	:	:	:	:	:
	1990	100.0	:	:	:	:	:	:	:	:	:	:	:	:
	1991	100.0	:	:	:	:	:	:	:	:	:	:	:	:
	1992	100.0	:	:	:	:	:	:	:	:	:	:	:	:
	1993	100.0	:	:	:	:	:	:	:	:	:	:	:	:
	1994	100.0	:	:	:	:	:	:	:	:	:	:	:	:
	1995	3.5	10.8	1.3	2.6	4.7	10.0	28.7	6.8	10.1	3.2	18.3	:	:
E	1993	0.4	19.2	1.6	1.0	3.7	0.1	28.5	11.4	1.7	16.8	10.1	2.9	2.4
F	1993	1.2	16.8	1.2	0.3	10.5	1.6	30.4	2.8	5.1	3.0	7.7	6.2	13.2
	1994	2.0	13.1	1.8	1.0	4.9	6.8	20.9	5.9	12.4	3.2	7.9	5.7	14.3
NL	1994	7.7	6.6	1.6	0.2	1.0	7.9	17.5	3.2	1.1	1.8	1.2	49.2	1.1
	1995	20.9	10.4	0.5	0.4	3.6	1.9	42.6	7.3	3.8	2.3	4.1	2.0	0.3
A	1994	1.1	11.7	1.9	12.7	13.4	:	12.2	7.3	:	:	24.1	15.6	:
P	1990	:	4.8	:	0.1	79.0	0.0	:	16.0	:	:	:	:	:
	1991	:	4.9	:	3.7	82.7	0.0	:	8.7	:	:	:	:	:
	1994	0.6	9.5	5.7	1.7	16.0	18.7	4.5	5.6	0.8	2.7	17.7	16.0	0.5
	1995	0.5	8.2	5.3	1.7	17.4	17.9	4.3	5.2	0.8	2.6	20.1	15.3	0.5
FIN	1992	0.7	1.7	0.2	0.1	27.6	2.0	8.0	0.2	13.9	0.2	4.1	41.2	:
	1993	0.7	1.1	0.1	0.3	35.6	8.3	4.6	0.5	2.8	0.4	0.5	45.1	:
	1994	1.6	2.1	0.1	1.7	46.4	3.9	6.7	0.5	11.6	1.6	1.9	21.9	:
UK	1994	3.6	6.7	2.3	0.5	12.2	0.2	27.4	13.3	6.8	3.4	15.1	6.7	1.8

D: All figures for Germany from 1988 to 1994 are only allocated under Mining and quarrying (therefore 100%).

### 3.4 Distribution of Industry Current Expenditure by Environmental domain

[%]	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities
D 1988	:	:	:	:	:	:	:	:	:
1989	:	:	:	:	:	:	:	:	:
1990	:	:	:	:	:	:	:	:	:
1991	:	:	:	:	:	:	:	:	:
1992	:	:	:	:	:	:	:	:	:
1993	:	:	:	:	:	:	:	:	:
1994	:	:	:	:	:	:	:	:	:
1995	:	:	:	:	:	:	:	:	:
E 1993	32.0	18.5	30.8	0.8	4.1	4.3	:	:	9.5
F 1993	:	:	:	:	:	:	:	:	:
1994	:	:	:	:	:	:	:	:	:
NL 1994	17.8	30.0	26.1	6.8	0.7	1.8	:	7.7	9.1
1995	17.0	30.1	26.5	5.8	0.6	2.0	:	8.4	9.5
A 1994	34.0	29.6	21.4	0.0	2.2	1.0	:	11.7	:
P 1990	:	:	:	:	:	:	:	:	:
1991	:	:	:	:	:	:	:	:	:
1994	18.1	41.6	32.4	3.4	0.4	:	:	:	4.2
1995	18.1	41.6	32.4	3.4	0.4	:	:	:	4.2
FIN 1992	18.1	51.1	20.4	2.1	:	:	:	5.5	2.8
1993	24.3	46.1	21.7	0.7	:	:	:	4.3	2.8
1994	22.5	46.9	20.6	0.9	:	:	:	4.5	4.7
UK 1994	7.0	59.8	32.5	:	0.1	:	:	:	0.7

### 3.5 Distribution of Industry Current Expenditure by economic sector

[%]	Mining & Quarrying	Food Beverage Tobacco	Textile & Leather	Wood & Wood products	Pulp Paper Publishing	Coke Petroleum Nucl. fuel	Chemicals Rubber Plastics	Other non-met. Mineral	Basic Metals	Fabricated Metal products	Machinery & Equipment	Electricity Gas, Steam Hot Water	Collection pur & distr. of Water
D 1988	:	:	:	:	:	:	:	:	:	:	:	:	:
1989	:	:	:	:	:	:	:	:	:	:	:	:	:
1990	:	:	:	:	:	:	:	:	:	:	:	:	:
1991	:	:	:	:	:	:	:	:	:	:	:	:	:
1992	:	:	:	:	:	:	:	:	:	:	:	:	:
1993	:	:	:	:	:	:	:	:	:	:	:	:	:
1994	:	:	:	:	:	:	:	:	:	:	:	:	:
1995	:	:	:	:	:	:	:	:	:	:	:	:	:
E 1993	1.6	5.6	5.5	0.3	6.3	0.1	6.2	10.1	6.3	23.0	20.0	10.2	4.8
F 1993	:	:	:	:	:	:	:	:	:	:	:	:	:
1994	:	:	:	:	:	:	:	:	:	:	:	:	:
NL 1994	6.4	15.5	2.0	0.8	5.7	7.0	32.1	2.7	5.6	3.1	8.4	9.2	1.6
1995	6.6	14.3	2.2	1.0	5.4	6.8	31.5	3.1	5.5	3.6	8.6	9.3	2.1
A 1994	4.4	9.8	2.9	4.2	9.2	:	24.8	5.0	:	:	32.6	7.0	:
P 1990	:	:	:	:	:	:	:	:	:	:	:	:	:
1991	:	:	:	:	:	:	:	:	:	:	:	:	:
1994	3.5	13.3	10.9	2.4	15.9	6.2	12.4	10.1	0.6	2.3	6.7	15.5	0.1
1995	3.5	13.3	10.9	2.4	15.9	6.2	12.4	10.1	0.6	2.3	6.7	15.5	0.1
FIN 1992	1.8	19.5	1.7	1.1	21.8	4.0	19.0	1.9	11.2	1.2	5.5	11.3	:
1993	1.7	12.1	2.7	1.4	21.1	8.7	17.7	2.3	11.0	2.2	5.5	13.5	:
1994	1.8	12.9	1.8	1.9	26.8	4.9	14.6	1.9	13.9	1.4	5.2	12.7	:
UK 1994	0.2	21.7	7.6	0.3	19.4	0.0	22.8	2.3	4.3	2.3	11.0	6.4	1.8

### 3.6 Distribution of Industry Operational Benefits by Environmental domain

[%]	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities
E 1993	37.1	54.9	7.3	0.0	0.0	0.6	:	:	0.2
P 1994	20.2	2.8	76.0	1.1	0.0	:	:	:	0.0
1995	20.2	2.8	76.0	1.1	0.0	:	:	:	0.0
UK 1994	38.6	30.9	27.1	:	1.1	:	:	:	2.3

### 3.7 Distribution of Industry Operational Benefits by economic sector

[%]	Mining & Quarrying	Food Beverage Tobacco	Textile & Leather	Wood & Wood products	Pulp Paper Publishing	Coke Petroleum Nucl. fuel	Chemicals Rubber Plastics	Other non-met. Mineral	Basic Metals	Fabricated Metal products	Machinery & Equipment	Electricity Gas, Steam Hot Water	Collection pur & distr. of Water
E 1993	0.7	24.9	2.1	0.0	2.7	0.0	53.4	1.4	1.4	7.0	2.3	2.0	2.2
P 1994	3.6	8.5	4.0	0.1	13.4	0.1	14.4	24.2	1.0	0.3	14.8	15.6	0.1
1995	3.6	8.5	4.0	0.1	13.4	0.1	14.4	24.2	1.0	0.3	14.8	15.6	0.1
UK 1994	1.4	3.4	1.7	0.6	10.3	0.0	23.7	3.4	18.6	11.1	7.1	17.4	1.1

### 3.8 Industry Labour Inputs in number of persons and as a share of Total Population

[Persons and ppm]

	Labour Inputs number of persons			Labour Inputs in ppm of Total Population		
	NL	NL	A	NL	NL	A
	1994	1995	1994	1994	1995	1994
4. LABOUR INPUTS	5 764	5 717	2 665	375.7	370.6	332.5
Mining and quarrying	276	234	67	18.0	15.2	8.4
Food products; beverages & tobacco	601	596	517	39.2	38.6	64.5
Textiles & leather products	80	83	116	5.2	5.3	14.5
Wood and wood products	12	28	362	0.8	1.8	45.2
Pulp, paper products; publishing & printing	187	198	90	12.2	12.9	11.2
Coke, ref. petroleum prod. & nuclear fuel	562	502	:	36.7	32.6	:
Chemicals, rubber & plastics	1 997	2 030	359	130.2	131.6	44.8
Other non-metallic mineral products	175	168	152	11.4	10.9	19.0
Basic metals	596	516	:	38.8	33.4	:
Fabricated metal products	195	271	:	12.7	17.5	:
Machinery and equipment	576	549	752	37.5	35.6	93.8
Electricity, gas, steam & hot water supply	429	416	250	28.0	27.0	31.2
Collection, purification & distrib. of water	80	127	:	5.2	8.2	:



**E**nvironmental

**P**rotection

**E**xpenditure

Part  
**B**

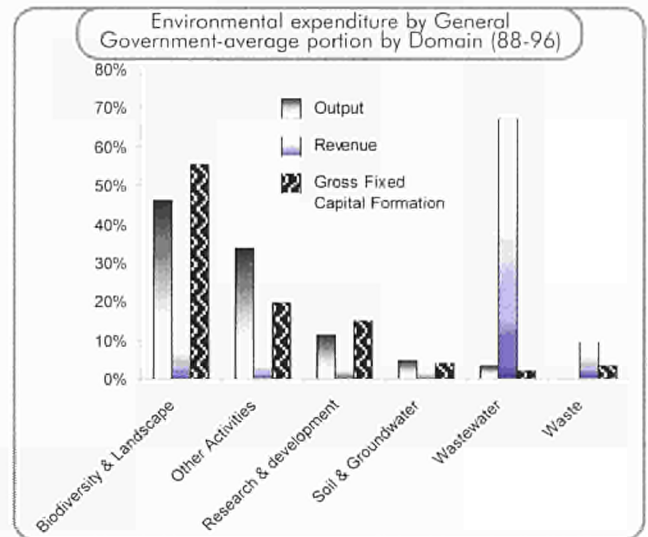
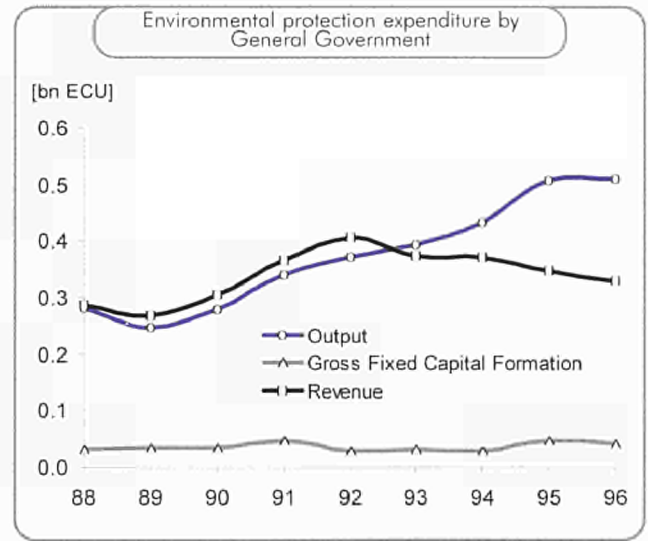
# General Government

## Environmental Protection Expenditure by General Government

### Denmark

After a decrease of 12% in 1989 the output of environmental protection activities grew seven years in a row to ECU 509 million in 1996. The development of revenues followed the output the first 5 years. In 1992 the revenue from environmental protection activities by General Government for Denmark reached its top with ECU 406 million. The revenues fell down to ECU 329 million in 1996. The Gross Fixed Capital Formation (GFCF) kept steady at low level (maximum ECU 48 million in 1991).

The biggest environmental domain for output was "Biodiversity & Landscape" with 46%, the second was "Other activities" with 34%. For revenue "Wastewater" was the biggest domain with 67%, the second was "Biodiversity & Landscape" with 12%. Most important domain for GFCF was "Biodiversity & Landscape" with a share of 55%.



## Environmental Protection Expenditure by General Government

[1000 ECU]

### Denmark

-1988

#### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	0	0	0	0	0	18 116	:	15 146	44 171	77 433
1.1 Intermediate consumption	0	0	0	0	0	9 910	:	4 956	17 606	32 471
1.2 Compensation of employees	0	0	0	0	0	8 207	:	10 190	26 565	44 961
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	0	0	0	0	723	:	232	5 840	6 794
2.1 Current transfers	0	0	0	0	0	365	:	14	159	538
2.2 Fees and other	0	0	0	0	0	358	:	218	5 681	6 257
3. GROSS FIXED CAPITAL FORMATION	0	0	0	0	0	1 571	:	1 054	5 107	7 732
4.1 Investment grants given	0	0	11 067	0	0	8 569	:	2 223	3 369	25 228
4.2 Investment grants received	0	0	0	0	0	0	:	0	0	0
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	0	0	0	0	16 287	:	2 188	2 770	21 246
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	0	9 076	0	5 611	0	176 270	:	0	14 149	205 106
1.1 Intermediate consumption	0	9 013	0	5 610	0	87 735	:	0	8 854	111 213
1.2 Compensation of employees	0	63	0	1	0	88 535	:	0	5 295	93 894
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	202 644	899	2 233	0	74 063	:	0	1 288	281 128
2.1 Current transfers	0	202 642	17 343	657	0	2 491	:	0	1 006	224 139
2.2 Fees and other	0	3	899	1 576	0	71 572	:	0	2 171	76 220
3. GROSS FIXED CAPITAL FORMATION	0	1 765	0	1 741	0	14 397	:	0	5 686	23 589
4.1 Investment grants given	0	6 694	31 668	0	0	0	:	0	0	38 363
4.2 Investment grants received	0	0	0	238	0	258	:	0	182	677
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	20 458	1 245	35	0	3 956	:	0	367	26 062
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	0	9 076	0	5 611	0	194 386	:	15 146	58 320	282 539
1.1 Intermediate consumption	0	9 013	0	5 610	0	97 645	:	4 956	26 460	143 684
1.2 Compensation of employees	0	63	0	1	0	96 741	:	10 190	31 860	138 855
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	202 644	899	2 233	0	74 786	:	232	7 128	287 922
2.1 Current transfers	0	202 642	17 343	657	0	2 856	:	14	1 165	224 677
2.2 Fees and other	0	3	899	1 576	0	71 929	:	218	7 852	82 477
3. GROSS FIXED CAPITAL FORMATION	0	1 765	0	1 741	0	15 968	:	1 054	10 792	31 321
4.1 Investment grants given	0	6 694	42 736	0	0	8 569	:	2 223	3 369	63 591
4.2 Investment grants received	0	0	0	238	0	258	:	0	182	677
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	20 458	1 245	35	0	20 244	:	2 188	3 137	47 308
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Denmark

-1989

#### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev't</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	0	0	256	0	0	17 706	:	27 043	45 936	90 940
1.1 Intermediate consumption	0	0	256	0	0	9 033	:	9 161	24 136	42 585
1.2 Compensation of employees	0	0	0	0	0	8 673	:	17 882	21 800	48 355
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	0	0	0	0	1 031	:	4 779	3 649	9 460
2.1 Current transfers	0	0	0	0	0	295	:	32	43	371
2.2 Fees and other	0	0	0	0	0	736	:	4 747	4 109	9 593
3. GROSS FIXED CAPITAL FORMATION	0	0	1 644	0	0	1 527	:	4 900	3 602	11 673
4.1 Investment grants given	0	0	17 050	0	0	9 741	:	84	5 870	32 745
4.2 Investment grants received	0	0	0	0	0	0	:	0	0	0
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	0	263	0	0	18 462	:	19	9 390	28 135
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	0	12 387	0	5 257	0	122 821	:	0	16 389	156 853
1.1 Intermediate consumption	0	12 122	0	5 236	0	33 970	:	0	10 441	61 770
1.2 Compensation of employees	0	264	0	20	0	88 851	:	0	5 948	95 084
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	233 974	937	690	0	18 840	:	0	3 280	257 722
2.1 Current transfers	0	233 944	25 468	251	0	3 032	:	0	1 668	264 363
2.2 Fees and other	0	30	937	440	0	15 807	:	0	1 612	18 827
3. GROSS FIXED CAPITAL FORMATION	0	1 315	0	905	0	16 563	:	0	2 762	21 546
4.1 Investment grants given	0	385	40 171	0	0	0	:	0	0	40 557
4.2 Investment grants received	0	0	0	38	0	10	:	0	373	420
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	248	1 207	15	0	3 241	:	0	366	5 076
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	0	12 387	256	5 257	0	140 527	:	27 043	62 325	247 794
1.1 Intermediate consumption	0	12 122	256	5 236	0	43 003	:	9 161	34 576	104 355
1.2 Compensation of employees	0	264	0	20	0	97 524	:	17 882	27 748	143 439
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	233 974	937	690	0	19 871	:	4 779	6 929	267 182
2.1 Current transfers	0	233 944	25 468	251	0	3 327	:	32	1 711	264 734
2.2 Fees and other	0	30	937	440	0	16 543	:	4 747	5 722	28 419
3. GROSS FIXED CAPITAL FORMATION	0	1 315	1 644	905	0	18 090	:	4 900	6 364	33 218
4.1 Investment grants given	0	385	57 222	0	0	9 741	:	84	5 870	73 301
4.2 Investment grants received	0	0	0	38	0	10	:	0	373	420
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	248	1 470	15	0	21 704	:	19	9 755	33 211
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

# Environmental Protection Expenditure by General Government

[1000 ECU]

## Denmark

-1990

### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste- water</i>	<i>Waste</i>	<i>Soil &amp; Ground- water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	0	0	545	0	0	19 024	:	34 315	54 089	107 972
1.1 Intermediate consumption	0	0	545	0	0	10 311	:	13 116	31 909	55 880
1.2 Compensation of employees	0	0	0	0	0	8 713	:	21 199	22 180	52 092
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	0	0	0	0	3 268	:	10 583	888	14 739
2.1 Current transfers	0	0	0	0	0	81	:	52	62	194
2.2 Fees and other	0	0	0	0	0	3 187	:	10 531	826	14 545
3. GROSS FIXED CAPITAL FORMATION	0	0	1 045	0	0	1 707	:	8 940	2 117	13 809
4.1 Investment grants given	0	0	16 936	0	0	8 841	:	31	3 355	29 163
4.2 Investment grants received	0	0	0	0	0	0	:	0	0	0
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	0	270	0	0	21 951	:	785	8 138	31 144
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	0	12 938	0	8 843	0	129 571	:	0	19 191	170 543
1.1 Intermediate consumption	0	12 509	0	8 831	0	40 323	:	0	12 243	73 906
1.2 Compensation of employees	0	428	0	13	0	89 248	:	0	6 948	96 637
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	258 638	981	3 611	0	22 340	:	0	4 066	289 636
2.1 Current transfers	0	258 514	26 857	534	0	3 957	:	0	1 910	291 772
2.2 Fees and other	0	124	981	3 077	0	18 383	:	0	2 156	24 721
3. GROSS FIXED CAPITAL FORMATION	0	821	0	1 915	0	14 736	:	0	2 529	20 001
4.1 Investment grants given	0	82	33 213	0	0	0	:	0	0	33 295
4.2 Investment grants received	0	0	0	396	0	366	:	0	22	785
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	455	1 331	16	0	2 855	:	0	676	5 333
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	0	12 938	545	8 843	0	148 595	:	34 315	73 280	278 515
1.1 Intermediate consumption	0	12 509	545	8 831	0	50 635	:	13 116	44 151	129 786
1.2 Compensation of employees	0	428	0	13	0	97 960	:	21 199	29 128	148 728
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	258 638	981	3 611	0	25 608	:	10 583	4 955	304 376
2.1 Current transfers	0	258 514	26 857	534	0	4 038	:	52	1 973	291 966
2.2 Fees and other	0	124	981	3 077	0	21 570	:	10 531	2 982	39 266
3. GROSS FIXED CAPITAL FORMATION	0	821	1 045	1 915	0	16 444	:	8 940	4 646	33 810
4.1 Investment grants given	0	82	50 149	0	0	8 841	:	31	3 355	62 458
4.2 Investment grants received	0	0	0	396	0	366	:	0	22	785
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	455	1 601	16	0	24 806	:	785	8 814	36 477
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Denmark

-1991

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
1. Output of public env. Protection activities	0	0	0	0	0	19 743	:	33 546	54 318	107 607
1.1 Intermediate consumption	0	0	0	0	0	6 473	:	11 685	32 067	50 225
1.2 Compensation of employees	0	0	0	0	0	13 269	:	21 862	22 251	57 382
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	0	254	0	0	1 569	:	4 758	1 291	7 873
2.1 Current transfers	0	0	0	0	0	94	:	8	18	120
2.2 Fees and other	0	0	254	0	0	1 475	:	4 750	1 274	7 753
3. GROSS FIXED CAPITAL FORMATION	0	0	8 547	0	0	10 311	:	11 902	2 100	32 860
4.1 Investment grants given	12 786	0	13 063	2 352	0	14 756	:	6	5 331	48 295
4.2 Investment grants received	0	0	0	0	0	0	:	0	0	0
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	632	0	0	0	0	28 946	:	1 732	6 781	38 091
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	0	13 656	0	11 001	0	132 514	:	0	74 104	231 275
1.1 Intermediate consumption	0	12 644	0	10 874	0	42 612	:	0	16 055	82 185
1.2 Compensation of employees	0	1 012	0	126	0	89 902	:	0	58 050	149 090
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	279 812	40 661	2 973	0	24 073	:	0	10 753	358 272
2.1 Current transfers	0	279 670	39 666	192	0	4 403	:	0	1 299	325 230
2.2 Fees and other	0	142	995	2 782	0	19 669	:	0	9 454	33 042
3. GROSS FIXED CAPITAL FORMATION	0	618	0	573	0	10 214	:	0	3 402	14 806
4.1 Investment grants given	0	54	37 044	0	0	0	:	0	0	37 098
4.2 Investment grants received	0	0	0	57	0	4 594	:	0	15	4 666
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	131	1 492	133	0	5 684	:	0	7 116	14 555
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	0	13 656	0	11 001	0	152 257	:	33 546	128 422	338 882
1.1 Intermediate consumption	0	12 644	0	10 874	0	49 085	:	11 685	48 121	132 410
1.2 Compensation of employees	0	1 012	0	126	0	103 172	:	21 862	80 301	206 472
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	279 812	40 916	2 973	0	25 642	:	4 758	12 045	366 145
2.1 Current transfers	0	279 670	39 666	192	0	4 498	:	8	1 317	325 350
2.2 Fees and other	0	142	1 250	2 782	0	21 144	:	4 750	10 728	40 796
3. GROSS FIXED CAPITAL FORMATION	0	618	8 547	573	0	20 525	:	11 902	5 502	47 666
4.1 Investment grants given	12 786	54	50 107	2 352	0	14 756	:	6	5 331	85 393
4.2 Investment grants received	0	0	0	57	0	4 594	:	0	15	4 666
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	632	131	1 492	133	0	34 630	:	1 732	13 897	52 646
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Denmark

-1992

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
1. Output of public env. Protection activities	0	0	0	0	0	20 465	:	37 968	59 215	117 647
1.1 Intermediate consumption	0	0	0	0	0	7 479	:	13 986	36 295	57 760
1.2 Compensation of employees	0	0	0	0	0	12 986	:	23 982	22 919	59 887
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	0	16 419	3 408	0	4 122	:	10 116	6 582	40 648
2.1 Current transfers	0	0	0	0	0	1 846	:	60	3 719	5 626
2.2 Fees and other	0	0	16 419	3 408	0	2 276	:	10 056	2 863	35 022
3. GROSS FIXED CAPITAL FORMATION	0	0	0	0	0	1 310	:	3 626	1 922	6 858
4.1 Investment grants given	14 994	0	0	0	0	22 631	:	150	3 771	41 546
4.2 Investment grants received	0	0	0	0	0	0	:	0	0	0
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	13 789	0	0	0	0	30 092	:	2 301	8 258	54 440
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	0	13 364	0	13 536	0	138 793	:	0	89 054	254 747
1.1 Intermediate consumption	0	12 189	0	13 274	0	48 918	:	0	17 181	91 562
1.2 Compensation of employees	0	1 175	0	262	0	89 875	:	0	71 873	163 185
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	269 970	54 084	4 418	0	17 788	:	0	19 496	365 755
2.1 Current transfers	0	269 880	53 038	1 239	0	4 091	:	0	1 380	329 629
2.2 Fees and other	0	90	1 046	3 179	0	13 696	:	0	18 116	36 126
3. GROSS FIXED CAPITAL FORMATION	0	599	0	979	0	14 229	:	0	6 266	22 072
4.1 Investment grants given	0	4	28 087	0	0	0	:	0	35	28 126
4.2 Investment grants received	0	0	0	235	0	81	:	0	196	512
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	133	16 626	149	0	3 145	:	0	3 931	23 983
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	0	13 364	0	13 536	0	159 258	:	37 968	148 269	372 395
1.1 Intermediate consumption	0	12 189	0	13 274	0	56 397	:	13 986	53 476	149 322
1.2 Compensation of employees	0	1 175	0	262	0	102 860	:	23 982	94 793	223 073
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	269 970	70 503	7 825	0	21 910	:	10 116	26 078	406 403
2.1 Current transfers	0	269 880	53 038	1 239	0	5 938	:	60	5 099	335 254
2.2 Fees and other	0	90	17 465	6 586	0	15 973	:	10 056	20 979	71 148
3. GROSS FIXED CAPITAL FORMATION	0	599	0	979	0	15 538	:	3 626	8 187	28 930
4.1 Investment grants given	14 994	4	28 087	0	0	22 631	:	150	3 806	69 672
4.2 Investment grants received	0	0	0	235	0	81	:	0	196	512
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	13 789	133	16 626	149	0	33 237	:	2 301	12 189	78 423
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Denmark

-1993

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	0	0	256	0	0	23 947	:	42 655	55 453	122 311
1.1 Intermediate consumption	0	0	256	0	0	13 939	:	15 825	32 404	62 424
1.2 Compensation of employees	0	0	0	0	0	10 008	:	26 830	23 049	59 887
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	0	23	0	0	9 462	:	14 484	14 437	38 407
2.1 Current transfers	0	0	0	0	0	3 322	:	2 553	11 360	17 235
2.2 Fees and other	0	0	23	0	0	6 140	:	11 931	3 078	21 171
3. GROSS FIXED CAPITAL FORMATION	0	0	0	0	0	4 889	:	828	3 800	9 516
4.1 Investment grants given	34 461	0	14 767	9 540	0	11 575	:	0	6 986	77 328
4.2 Investment grants received	0	0	0	0	0	0	:	0	0	0
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	251	251
4.3 Other transfers given	57 782	0	3 735	0	0	28 018	:	700	12 490	102 726
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	0	14 391	0	16 989	0	148 128	:	0	91 246	270 755
1.1 Intermediate consumption	0	13 282	0	16 682	0	55 409	:	0	18 512	103 884
1.2 Compensation of employees	0	1 109	0	307	0	92 720	:	0	72 735	166 871
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	235 370	47 177	5 708	0	26 910	:	0	19 991	335 156
2.1 Current transfers	0	235 218	46 092	3 319	0	5 262	:	0	1 990	291 881
2.2 Fees and other	0	152	1 084	2 389	0	21 648	:	0	18 001	43 275
3. GROSS FIXED CAPITAL FORMATION	0	899	0	1 042	0	15 221	:	0	5 574	22 736
4.1 Investment grants given	0	309	51 090	0	0	0	:	0	558	51 956
4.2 Investment grants received	0	0	0	756	0	565	:	0	75	1 396
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	173	19 749	37	0	5 681	:	0	8 293	33 933
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	0	14 391	256	16 989	0	172 075	:	42 655	146 699	393 066
1.1 Intermediate consumption	0	13 282	256	16 682	0	69 348	:	15 825	50 915	166 308
1.2 Compensation of employees	0	1 109	0	307	0	102 728	:	26 830	95 784	226 758
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	235 370	47 200	5 708	0	36 372	:	14 484	34 429	373 563
2.1 Current transfers	0	235 218	46 092	3 319	0	8 584	:	2 553	13 350	309 116
2.2 Fees and other	0	152	1 107	2 389	0	27 788	:	11 931	21 079	64 447
3. GROSS FIXED CAPITAL FORMATION	0	899	0	1 042	0	20 110	:	828	9 374	32 253
4.1 Investment grants given	34 461	309	65 857	9 540	0	11 575	:	0	7 544	129 285
4.2 Investment grants received	0	0	0	756	0	565	:	0	75	1 396
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	251	251
4.3 Other transfers given	57 782	173	23 484	37	0	33 699	:	700	20 783	136 658
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0



## Environmental Protection Expenditure by General Government

[1000 ECU]

### Denmark

-1994

#### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste- water</i>	<i>Waste</i>	<i>Soil &amp; Ground- water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	0	0	382	0	0	26 008	:	47 360	56 992	130 742
1.1 Intermediate consumption	0	0	359	0	0	15 129	:	18 300	34 141	67 929
1.2 Compensation of employees	0	0	23	0	0	10 879	:	29 060	22 851	62 813
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	0	0	14 848	0	19 414	:	14 767	12 939	61 968
2.1 Current transfers	0	0	0	14 848	0	7 276	:	456	10 461	33 040
2.2 Fees and other	0	0	0	0	0	12 138	:	14 312	2 478	28 929
3. GROSS FIXED CAPITAL FORMATION	0	0	0	0	0	- 244	:	6 440	3 019	9 215
4.1 Investment grants given	86 597	0	13 565	398	0	30 964	:	36	9 807	141 367
4.2 Investment grants received	0	0	0	0	0	0	:	0	0	0
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	93 879	0	6 751	14 860	0	35 713	:	2 640	15 427	169 271
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	0	14 658	0	26 064	0	156 095	:	0	104 090	300 907
1.1 Intermediate consumption	0	13 234	0	25 636	0	62 897	:	0	21 599	123 367
1.2 Compensation of employees	0	1 423	0	428	0	93 198	:	0	82 491	177 540
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	208 374	45 697	10 919	0	29 924	:	0	14 320	309 234
2.1 Current transfers	0	208 318	44 987	3 154	0	6 885	:	0	3 986	267 329
2.2 Fees and other	0	56	711	7 765	0	23 039	:	0	10 335	41 905
3. GROSS FIXED CAPITAL FORMATION	0	856	0	1 470	0	15 384	:	0	2 779	20 488
4.1 Investment grants given	0	19	27 572	0	0	133	:	0	0	27 725
4.2 Investment grants received	0	0	0	407	0	587	:	0	481	1 475
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	72	20 439	84	0	4 757	:	0	1 117	26 470
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	0	14 658	382	26 064	0	182 103	:	47 360	161 082	431 649
1.1 Intermediate consumption	0	13 234	359	25 636	0	78 026	:	18 300	55 740	191 296
1.2 Compensation of employees	0	1 423	23	428	0	104 077	:	29 060	105 342	240 353
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	208 374	45 697	25 767	0	49 338	:	14 767	27 259	371 202
2.1 Current transfers	0	208 318	44 987	18 002	0	14 161	:	456	14 447	300 369
2.2 Fees and other	0	56	711	7 765	0	35 177	:	14 312	12 813	70 834
3. GROSS FIXED CAPITAL FORMATION	0	856	0	1 470	0	15 139	:	6 440	5 798	29 703
4.1 Investment grants given	86 597	19	41 138	398	0	31 096	:	36	9 807	169 091
4.2 Investment grants received	0	0	0	407	0	587	:	0	481	1 475
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	93 879	72	27 190	14 944	0	40 470	:	2 640	16 544	195 741
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Denmark

-1995

#### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	0	0	213	14 509	0	30 107	:	66 743	61 175	172 747
1.1 Intermediate consumption	0	0	213	14 509	0	18 555	:	26 000	32 285	91 563
1.2 Compensation of employees	0	0	0	0	0	11 551	:	40 743	28 890	81 184
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	0	0	0	0	15 550	:	18 857	19 304	53 711
2.1 Current transfers	0	0	0	0	0	3 584	:	335	7 523	11 442
2.2 Fees and other	0	0	0	0	0	11 966	:	18 521	11 781	42 268
3. GROSS FIXED CAPITAL FORMATION	0	0	0	0	0	19 378	:	4 624	3 926	27 928
4.1 Investment grants given	129 168	0	12 398	546	0	21 056	:	21	22 162	185 351
4.2 Investment grants received	0	0	0	0	0	0	:	0	0	0
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	90 040	0	5 933	0	0	37 588	:	2 619	20 329	156 509
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	0	15 201	0	30 191	0	172 540	:	0	116 483	334 415
1.1 Intermediate consumption	0	13 769	0	29 175	0	71 721	:	0	23 399	138 064
1.2 Compensation of employees	0	1 432	0	1 016	0	100 819	:	0	93 084	196 351
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	185 803	46 634	14 835	0	32 905	:	0	13 755	293 932
2.1 Current transfers	0	185 464	45 915	3 542	0	6 865	:	0	2 794	244 581
2.2 Fees and other	0	339	718	11 293	0	26 041	:	0	10 960	49 351
3. GROSS FIXED CAPITAL FORMATION	0	317	0	2 018	0	13 562	:	0	3 182	19 079
4.1 Investment grants given	0	98	21 991	0	0	0	:	0	301	22 390
4.2 Investment grants received	0	0	0	595	0	452	:	0	0	1 047
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	43	20 308	20	0	4 171	:	0	897	25 439
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	0	15 201	213	44 700	0	202 647	:	66 743	177 658	507 162
1.1 Intermediate consumption	0	13 769	213	43 684	0	90 277	:	26 000	55 685	229 628
1.2 Compensation of employees	0	1 432	0	1 016	0	112 370	:	40 743	121 974	277 534
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	185 803	46 634	14 835	0	48 455	:	18 857	33 059	347 643
2.1 Current transfers	0	185 464	45 915	3 542	0	10 449	:	335	10 318	256 023
2.2 Fees and other	0	339	718	11 293	0	38 007	:	18 521	22 741	91 619
3. GROSS FIXED CAPITAL FORMATION	0	317	0	2 018	0	32 940	:	4 624	7 108	47 008
4.1 Investment grants given	129 168	98	34 389	546	0	21 056	:	21	22 463	207 741
4.2 Investment grants received	0	0	0	595	0	452	:	0	0	1 047
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	90 040	43	26 241	20	0	41 759	:	2 619	21 227	181 948
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Denmark

-1996

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	1	0	126	1	0	29 132	:	82 932	40 177	152 369
1.1 Intermediate consumption	1	0	126	1	0	18 835	:	34 239	25 921	79 122
1.2 Compensation of employees	0	0	0	0	0	10 297	:	48 693	14 256	73 246
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	0	1 087	9 648	0	20 389	:	26 012	6 675	63 811
2.1 Current transfers	0	0	0	0	0	3 138	:	9 901	4 533	17 571
2.2 Fees and other	0	0	1 087	9 648	0	17 252	:	16 112	2 142	46 240
3. GROSS FIXED CAPITAL FORMATION	0	0	0	0	0	6 912	:	6 293	3 721	16 926
4.1 Investment grants given	109 350	0	13 473	136	0	24 257	:	6	16 313	163 533
4.2 Investment grants received	0	0	0	0	0	0	:	0	0	0
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	117 445	0	6 654	9 608	0	60 932	:	2 493	17 278	214 411
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	0	15 203	0	25 427	0	172 165	:	0	143 803	356 597
1.1 Intermediate consumption	0	13 509	0	24 256	0	72 008	:	0	26 801	136 574
1.2 Compensation of employees	0	1 694	0	1 171	0	100 157	:	0	117 001	220 023
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	179 343	32 797	8 437	0	30 332	:	0	14 555	265 464
2.1 Current transfers	0	177 257	32 088	2 091	0	6 681	:	0	2 694	220 811
2.2 Fees and other	0	2 086	710	6 345	0	23 651	:	0	11 861	44 652
3. GROSS FIXED CAPITAL FORMATION	0	443	0	3 089	0	19 266	:	0	2 735	25 532
4.1 Investment grants given	0	3 873	18 208	0	0	0	:	0	0	22 081
4.2 Investment grants received	0	0	0	2 137	0	1 417	:	0	61	3 616
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	0	1 901	22 117	14	0	3 898	:	0	673	28 604
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

#### GENERAL GOVERNMENT

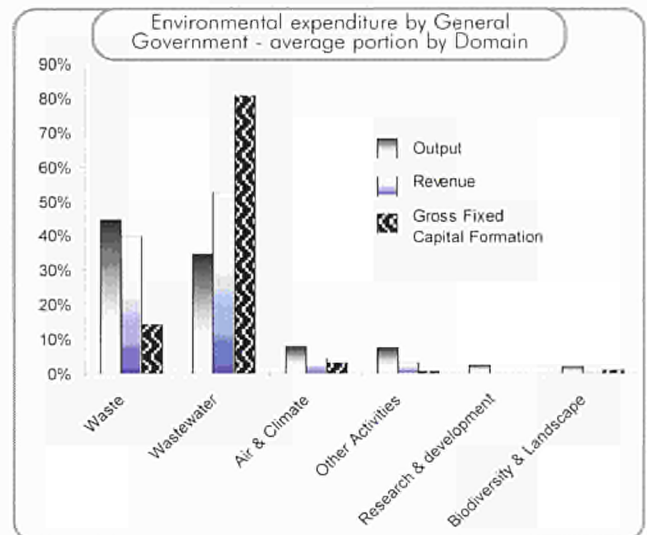
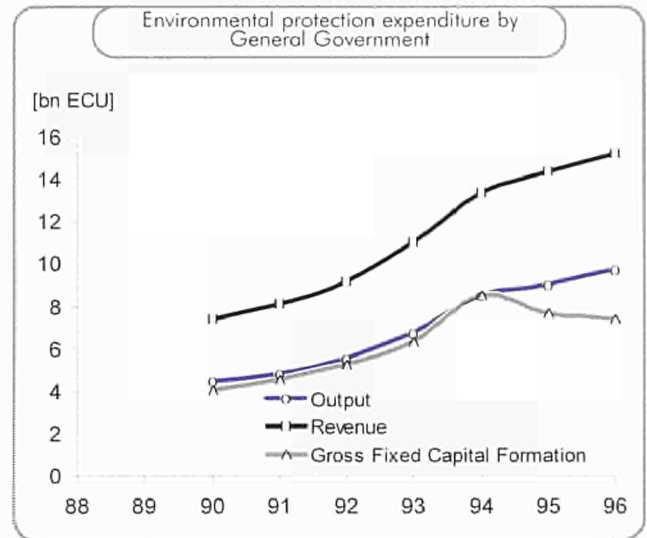
1. Output of public env. Protection activities	1	15 203	126	25 427	0	201 297	:	82 932	183 980	508 966
1.1 Intermediate consumption	1	13 509	126	24 257	0	90 843	:	34 239	52 722	215 697
1.2 Compensation of employees	0	1 694	0	1 171	0	110 454	:	48 693	131 258	293 269
1.3 Consumption of fixed capital	0	0	0	0	0	0	:	0	0	0
2. Revenue from env. Protection activities	0	179 343	33 884	18 084	0	50 721	:	26 012	21 229	329 275
2.1 Current transfers	0	177 257	32 088	2 091	0	9 819	:	9 901	7 227	238 382
2.2 Fees and other	0	2 086	1 797	15 993	0	40 902	:	16 112	14 002	90 892
3. GROSS FIXED CAPITAL FORMATION	0	443	0	3 089	0	26 178	:	6 293	6 456	42 459
4.1 Investment grants given	109 350	3 873	31 681	136	0	24 257	:	6	16 313	185 614
4.2 Investment grants received	0	0	0	2 137	0	1 417	:	0	61	3 616
4.2.1 Of which from the European Union	0	0	0	0	0	0	:	0	0	0
4.3 Other transfers given	117 445	1 901	28 772	9 622	0	64 831	:	2 493	17 951	243 014
5. Labour inputs in public env. Protection activities	0	0	0	0	0	0	:	0	0	0

## Environmental Protection Expenditure by General Government

### Germany

The revenue from environmental protection activities by General Government for Germany was bigger than both environmental protection output and gross fixed capital formation (GFCF) each year from 1990 to 1996. The environmental protection revenue was ECU 7.4 bn in 1990 and rose each year by an average of 13% to ECU 15.2 bn in 1996. Output of environmental protection activities and GFCF reflected parallel development from just over ECU 4 bn in 1990 to ECU 8.5 bn in 1994. In 1995 and 1996 the output continued to grow (ECU 9.7 bn in 1996), while the GFCF fell during these two years (ECU 7.4 bn in 1996).

The biggest environmental domain for output was "Waste" with 45%, the second was "Wastewater" with 35%. For revenue it was the contrary: "Wastewater" stood for the majority with 53% and "Waste" second with 40%. For GFCF "Wastewater" dominated with 81%, the second was "Waste" with 14%.



## Environmental Protection Expenditure by General Government

**Germany**  
-1988

[1000 ECU]  
Please see footnote!

	<i>Air &amp; Climate</i>	<i>Waste- water</i>	<i>Waste</i>	<i>Soil &amp; Ground- water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev't</i>	<i>Other Activities</i>	<i>Total</i>
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	232 838	122 445	134 979	:	14 462	54 474	:	143 656	48 689	751 543
1.1 Intermediate consumption	150 887	82 916	59 294	:	:	37 119	:	135 943	46 761	512 919
1.2 Compensation of employees	81 951	39 530	75 685	:	:	17 354	:	7 713	1 928	224 161
1.3 Consumption of fixed capital	:	:	:	:	14 462	:	:	:	:	14 462
2. Revenue from env. Protection activities	132 086	246 336	151 369	:	:	2 892	:	482	964	534 130
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	132 086	246 336	151 369	:	:	2 892	:	482	964	534 130
3. GROSS FIXED CAPITAL FORMATION	108 947	85 326	19 283	:	130 158	37 601	:	2 410	482	384 207
4.1 Investment grants given	476 764	823 371	36 637	:	:	37 601	:	:	:	1 374 373
4.2 Investment grants received	80 987	21 693	1 446	:	:	3 857	:	1 446	:	109 429
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	221 269	26 032	21 211	:	:	26 996	:	13 498	:	309 005
5. Labour inputs in public env. Protection activities	2 675	1 428	2 735	:	:	625	:	130	190	7 783
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Data refer to Old Länder (West Germany) for data in Air & Climate, Wastewater, Waste and Noise & Vibration domains for all years except for 1995 for Central & State and 1996 for Local Government. Revenue includes only Fees & Other. Output includes no Consumption of fixed capital. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

Please note that LABOUR INPUTS are in number of persons!

## Environmental Protection Expenditure by General Government

[1000 ECU]  
Please see footnote!

# Germany

-1989

### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	282 105	135 256	188 875	:	14 492	63 280	:	153 129	45 407	882 545
1.1 Intermediate consumption	189 358	94 196	108 688	:	:	44 924	:	145 400	43 958	626 525
1.2 Compensation of employees	92 747	41 060	80 187	:	:	18 356	:	7 729	1 449	241 528
1.3 Consumption of fixed capital	:	:	:	:	14 492	:	:	:	:	14 492
2. Revenue from env. Protection activities	228 969	257 469	189 358	:	:	4 831	:	966	1 932	683 525
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	228 969	257 469	189 358	:	:	4 831	:	966	1 932	683 525
3. GROSS FIXED CAPITAL FORMATION	144 434	85 018	28 983	:	144 917	34 297	:	1 449	483	439 582
4.1 Investment grants given	669 034	832 790	38 645	:	:	49 272	:	:	:	1 589 740
4.2 Investment grants received	33 814	22 221	1 449	:	:	5 314	:	966	:	63 763
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	266 164	33 814	4 348	:	:	26 085	:	11 593	:	342 004
5. Labour inputs in public env. Protection activities	2 742	1 420	2 715	:	:	601	:	125	190	7 793

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	1 614 859	1 652 054	:	:	:	:	:	368 572	3 635 485
1.1 Intermediate consumption	:	1 008 140	1 229 863	:	:	:	:	:	115 451	2 353 453
1.2 Compensation of employees	:	606 719	422 192	:	:	:	:	:	253 122	1 282 033
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	4 212 738	2 311 427	:	:	:	:	:	290 800	6 814 965
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	4 212 738	2 311 427	:	:	:	:	:	290 800	6 814 965
3. GROSS FIXED CAPITAL FORMATION	:	3 252 904	484 023	:	:	:	:	:	36 229	3 773 157
4.1 Investment grants given	:	697 051	301 910	:	:	:	:	:	1 932	1 000 894
4.2 Investment grants received	:	1 440 475	250 223	:	:	:	:	:	5 797	1 696 495
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	19 322	51 687	:	:	:	:	:	:	71 009
5. Labour inputs in public env. Protection activities	:	22 827	17 503	:	:	:	:	:	10 523	50 853

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Data refer to Old Länder (West Germany) for data in Air & Climate, Wastewater, Waste and Noise & Vibration domains for all years except for 1995 for Central & State and 1996 for Local Government. Revenue includes only Fees & Other. Output includes no Consumption of fixed capital. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

Please note that LABOUR INPUTS are in number of persons!

## Environmental Protection Expenditure by General Government

[1000 ECU]  
Please see footnote!

Germany  
-1990

### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	332 344	151 065	199 309	:	19 492	72 122	:	167 634	40 934	982 900
1.1 Intermediate consumption	219 776	107 208	114 030	:	:	52 142	:	159 350	38 985	691 490
1.2 Compensation of employees	112 568	43 858	85 279	:	:	19 980	:	8 284	1 949	271 918
1.3 Consumption of fixed capital	:	:	:	:	19 492	:	:	:	:	19 492
2. Revenue from env. Protection activities	350 374	279 228	220 751	:	:	3 411	:	975	1 949	856 688
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	350 374	279 228	220 751	:	:	3 411	:	975	1 949	856 688
3. GROSS FIXED CAPITAL FORMATION	165 685	121 340	27 777	:	190 050	40 447	:	1 462	487	547 247
4.1 Investment grants given	145 705	947 327	43 858	:	:	54 091	:	:	:	1 190 981
4.2 Investment grants received	22 903	22 903	3 898	:	:	4 386	:	487	:	54 579
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	755 815	26 315	1 949	:	:	39 959	:	16 081	:	840 119
5. Labour inputs in public env. Protection activities	3 367	1 582	3 103	:	:	642	:	223	96	9 013

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	1 703 629	1 858 106	:	:	:	:	:	347 451	3 909 185
1.1 Intermediate consumption	:	1 072 565	1 411 731	:	:	:	:	:	96 974	2 581 271
1.2 Compensation of employees	:	631 064	446 374	:	:	:	:	:	250 476	1 327 914
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	4 503 214	2 611 484	:	:	:	:	:	298 233	7 412 930
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	4 503 214	2 611 484	:	:	:	:	:	298 233	7 412 930
3. GROSS FIXED CAPITAL FORMATION	:	3 591 948	621 318	:	:	:	:	:	37 035	4 250 301
4.1 Investment grants given	:	708 546	303 593	:	:	:	:	:	1 949	1 014 088
4.2 Investment grants received	:	1 506 269	236 832	:	:	:	:	:	4 873	1 747 974
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	22 903	52 629	:	:	:	:	:	0	75 533
5. Labour inputs in public env. Protection activities	:	24 327	18 607	:	:	:	:	:	10 748	53 682

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	235 370	1 752 847	1 802 553	:	:	55 553	:	145 218	421 034	4 412 574
1.1 Intermediate consumption	152 527	1 100 829	1 300 625	:	:	37 523	:	137 421	163 736	2 892 661
1.2 Compensation of employees	82 842	652 018	501 927	:	:	17 543	:	7 797	257 299	1 519 427
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	133 522	4 498 828	2 484 296	:	:	2 924	:	487	294 821	7 414 879
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	133 522	4 498 828	2 484 296	:	:	2 924	:	487	294 821	7 414 879
3. GROSS FIXED CAPITAL FORMATION	110 132	3 367 786	507 775	:	:	38 010	:	2 437	37 035	4 063 175
4.1 Investment grants given	481 948	1 535 508	341 116	:	:	38 010	:	:	1 949	2 398 530
4.2 Investment grants received	81 868	1 475 082	253 400	:	:	3 898	:	1 462	5 848	1 821 558
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	223 674	45 807	30 213	:	:	27 289	:	13 645	:	340 628
5. Labour inputs in public env. Protection activities	2 675	24 255	20 218	:	:	625	:	130	10 713	58 616

Data refer to Old Länder (West Germany) for data in Air & Climate, Wastewater, Waste and Noise & Vibration domains for all years except for 1995 for Central & State and 1996 for Local Government. Revenue includes only Fees & Other. Output includes no Consumption of fixed capital. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

Please note that LABOUR INPUTS are in number of persons!

## Environmental Protection Expenditure by General Government

[1000 ECU]

Please see footnote!

### Germany

-1991

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	400 827	192 124	214 067	:	19 505	77 532	:	178 958	54 614	1 137 627
1.1 Intermediate consumption	267 706	143 361	118 493	:	:	55 589	:	169 206	52 663	807 018
1.2 Compensation of employees	133 121	48 762	95 574	:	:	21 943	:	9 752	1 950	311 104
1.3 Consumption of fixed capital	:	:	:	:	19 505	:	:	:	:	19 505
2. Revenue from env. Protection activities	493 476	275 995	250 151	:	:	6 827	:	975	488	1 027 912
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	493 476	275 995	250 151	:	:	6 827	:	975	488	1 027 912
3. GROSS FIXED CAPITAL FORMATION	186 272	118 005	22 431	:	170 668	49 250	:	975	488	548 089
4.1 Investment grants given	375 958	993 778	38 522	:	:	63 391	:	0	:	1 471 650
4.2 Investment grants received	36 084	22 431	5 364	:	:	4 389	:	488	:	68 755
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	634 399	90 210	22 918	:	:	42 423	:	14 629	975	805 555
5. Labour inputs in public env. Protection activities	3 518	1 657	3 303	:	:	680	:	235	109	9 502

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	1 863 212	2 167 002	:	:	:	:	:	365 718	4 395 931
1.1 Intermediate consumption	:	1 187 365	1 675 964	:	:	:	:	:	100 451	2 963 779
1.2 Compensation of employees	:	675 847	491 037	:	:	:	:	:	265 268	1 432 152
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	4 846 984	3 045 700	:	:	:	:	:	305 253	8 197 936
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	4 846 984	3 045 700	:	:	:	:	:	305 253	8 197 936
3. GROSS FIXED CAPITAL FORMATION	:	4 021 924	748 503	:	:	:	:	:	37 059	4 807 486
4.1 Investment grants given	:	774 347	363 768	:	:	:	:	:	1 950	1 140 065
4.2 Investment grants received	:	1 668 162	249 664	:	:	:	:	:	3 413	1 921 239
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	22 918	76 069	:	:	:	:	:	0	98 988
5. Labour inputs in public env. Protection activities	:	24 790	19 571	:	:	:	:	:	10 878	55 239

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	285 260	1 840 781	2 049 972	:	:	63 879	:	154 577	394 000	4 788 469
1.1 Intermediate consumption	191 149	1 167 860	1 522 362	:	:	45 349	:	146 775	141 899	3 215 393
1.2 Compensation of employees	93 624	672 921	527 122	:	:	18 530	:	7 802	252 102	1 572 100
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	231 134	4 766 038	2 804 326	:	:	4 876	:	975	300 376	8 107 726
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	231 134	4 766 038	2 804 326	:	:	4 876	:	975	300 376	8 107 726
3. GROSS FIXED CAPITAL FORMATION	145 800	3 680 099	650 978	:	:	34 621	:	1 463	37 547	4 550 508
4.1 Investment grants given	675 359	1 549 669	342 800	:	:	49 738	:	:	1 950	2 619 517
4.2 Investment grants received	34 134	1 529 677	237 961	:	:	5 364	:	975	4 876	1 812 986
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	268 681	57 052	57 052	:	:	26 332	:	11 703	0	420 820
5. Labour inputs in public env. Protection activities	2 742	25 747	21 322	:	:	601	:	125	10 938	61 475

Data refer to Old Länder (West Germany) for data in Air & Climate, Wastewater, Waste and Noise & Vibration domains for all years except for 1995 for Central & State and 1996 for Local Government. Revenue includes only Fees & Other. Output includes no Consumption of fixed capital. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

Please note that LABOUR INPUTS are in number of persons!



## Environmental Protection Expenditure by General Government

[1000 ECU]  
Please see footnote!

### Germany

-1992

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	653 860	184 625	250 952	:	:	114 834	:	184 130	65 831	1 454 232
1.1 Intermediate consumption	383 110	131 168	146 017	:	:	87 610	:	172 251	63 852	984 007
1.2 Compensation of employees	270 751	53 457	104 934	:	:	27 224	:	11 879	1 980	470 225
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	682 569	247 487	227 688	:	:	8 415	:	1 485	495	1 168 138
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	682 569	247 487	227 688	:	:	8 415	:	1 485	495	1 168 138
3. GROSS FIXED CAPITAL FORMATION	212 839	110 874	19 799	:	:	44 053	:	1 485	0	389 049
4.1 Investment grants given	817 201	1 511 649	40 093	:	:	87 115	:	:	:	2 456 059
4.2 Investment grants received	192 050	22 769	5 445	:	:	8 910	:	495	:	229 668
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	1 070 628	77 711	48 012	:	:	58 902	:	13 859	8 910	1 278 022
5. Labour inputs in public env. Protection activities	8 856	1 607	3 273	:	:	804	:	300	89	14 929

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	2 111 557	2 723 344	:	:	:	:	:	446 466	5 281 368
1.1 Intermediate consumption	:	1 347 813	2 137 791	:	:	:	:	:	145 027	3 630 631
1.2 Compensation of employees	:	763 744	585 554	:	:	:	:	:	301 439	1 650 737
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	5 361 553	3 853 864	:	:	:	:	:	321 733	9 537 150
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	5 361 553	3 853 864	:	:	:	:	:	321 733	9 537 150
3. GROSS FIXED CAPITAL FORMATION	:	4 690 864	914 216	:	:	:	:	:	40 588	5 645 668
4.1 Investment grants given	:	886 498	460 325	:	:	:	:	:	2 475	1 349 298
4.2 Investment grants received	:	1 851 201	338 067	:	:	:	:	:	3 465	2 192 733
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	23 264	106 419	:	:	:	:	:	:	129 683
5. Labour inputs in public env. Protection activities	:	26 463	20 366	:	:	:	:	:	12 578	59 407

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	338 067	2 044 736	2 402 107	:	:	73 256	:	170 271	412 808	5 441 244
1.1 Intermediate consumption	223 233	1 314 155	1 817 048	:	:	52 962	:	161 856	141 562	3 710 817
1.2 Compensation of employees	114 339	730 581	585 059	:	:	20 294	:	8 415	271 246	1 729 933
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	355 886	5 204 152	3 315 828	:	:	3 465	:	990	312 328	9 192 649
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	355 886	5 204 152	3 315 828	:	:	3 465	:	990	312 328	9 192 649
3. GROSS FIXED CAPITAL FORMATION	168 291	4 206 285	787 998	:	:	41 083	:	1 485	37 618	5 242 760
4.1 Investment grants given	147 997	1 748 247	413 303	:	:	54 942	:	:	1 980	2 366 469
4.2 Investment grants received	23 264	1 716 568	257 386	:	:	4 455	:	495	3 465	2 005 633
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	767 704	49 992	78 701	:	:	40 588	:	16 334	0	953 319
5. Labour inputs in public env. Protection activities	3 367	26 372	22 674	:	:	642	:	223	10 974	64 252

Data refer to Old Länder (West Germany) for data in Air & Climate, Wastewater, Waste and Noise & Vibration domains for all years except for 1995 for Central & State and 1996 for Local Government. Revenue includes only Fees & Other. Output includes no Consumption of fixed capital. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

Please note that LABOUR INPUTS are in number of persons!

## Environmental Protection Expenditure by General Government

[1000 ECU]  
Please see footnote!

**Germany**  
-1993

### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	709 568	205 537	78 497	:	:	159 575	:	212 251	77 980	1 443 408
1.1 Intermediate consumption	399 196	146 665	74 882	:	:	120 327	:	199 340	75 914	1 016 324
1.2 Compensation of employees	310 371	58 872	3 615	:	:	39 248	:	12 911	2 066	427 083
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	705 953	254 597	34 600	:	:	18 075	:	1 033	516	1 014 775
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	705 953	254 597	34 600	:	:	18 075	:	1 033	516	1 014 775
3. GROSS FIXED CAPITAL FORMATION	237 555	11 878	10 845	:	:	41 830	:	6 197	0	308 306
4.1 Investment grants given	674 451	1 369 042	40 798	:	:	75 398	:	:	:	2 159 689
4.2 Investment grants received	48 028	23 756	6 197	:	:	16 009	:	516	:	94 506
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	940 926	32 018	6 714	:	:	77 464	:	27 887	1 033	1 086 042
5. Labour inputs in public env. Protection activities	9 121	1 592	3 233	:	:	1 178	:	297	78	15 499

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	46 478	2 550 106	3 766 803	:	:	:	:	:	526 237	6 889 625
1.1 Intermediate consumption	21 690	1 682 512	3 068 080	:	:	:	:	:	186 946	4 959 228
1.2 Compensation of employees	24 788	867 594	698 723	:	:	:	:	:	339 291	1 930 396
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	14 976	6 216 723	5 437 438	:	:	:	:	:	382 154	12 051 291
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	14 976	6 216 723	5 437 438	:	:	:	:	:	382 154	12 051 291
3. GROSS FIXED CAPITAL FORMATION	7 230	6 432 588	1 586 974	:	:	:	:	:	57 323	8 084 115
4.1 Investment grants given	0	1 080 361	632 620	:	:	:	:	:	3 099	1 716 080
4.2 Investment grants received	19 108	2 632 218	502 998	:	:	:	:	:	19 624	3 173 947
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	516	49 060	288 682	:	:	:	:	:	16 009	354 267
5. Labour inputs in public env. Protection activities	:	26 964	23 974	:	:	:	:	:	13 465	64 403

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	424 501	2 406 540	3 068 080	:	:	82 112	:	189 528	523 655	6 694 416
1.1 Intermediate consumption	283 517	1 558 054	2 355 930	:	:	58 872	:	179 199	207 086	4 642 660
1.2 Compensation of employees	140 984	848 486	712 150	:	:	23 239	:	10 328	316 568	2 051 756
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	522 622	5 886 211	4 285 810	:	:	7 230	:	1 033	336 193	11 039 099
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	522 622	5 886 211	4 285 810	:	:	7 230	:	1 033	336 193	11 039 099
3. GROSS FIXED CAPITAL FORMATION	197 274	5 029 462	977 592	:	:	52 159	:	1 033	42 863	6 300 384
4.1 Investment grants given	398 164	1 977 907	521 073	:	:	67 135	:	0	2 582	2 966 861
4.2 Investment grants received	38 215	1 955 185	358 399	:	:	4 648	:	516	3 615	2 360 578
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	671 869	119 811	134 787	:	:	44 929	:	15 493	1 033	987 921
5. Labour inputs in public env. Protection activities	3 518	28 120	23 669	:	:	680	:	235	12 687	68 909

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Please note that LABOUR INPUTS are in number of persons!

## Environmental Protection Expenditure by General Government

[1000 ECU]  
Please see footnote!

**Germany**  
-1994

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	714 460	221 353	69 108	:	:	147 049	:	213 039	87 294	1 452 303
1.1 Intermediate consumption	392 304	162 637	67 029	:	:	102 882	:	199 529	86 255	1 010 636
1.2 Compensation of employees	322 157	58 716	2 078	:	:	44 167	:	13 510	1 039	441 666
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	575 205	263 441	114 314	:	:	28 059	:	1 039	520	982 578
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	575 205	263 441	114 314	:	:	28 059	:	1 039	520	982 578
3. GROSS FIXED CAPITAL FORMATION	257 725	11 431	3 118	:	:	34 294	:	5 196	0	311 764
4.1 Investment grants given	367 362	1 331 234	48 323	:	:	60 274	:	0	:	1 807 194
4.2 Investment grants received	32 735	23 382	4 157	:	:	9 353	:	0	:	69 627
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	1 663 783	18 706	1 559	:	:	80 539	:	22 343	:	1 786 930
5. Labour inputs in public env. Protection activities	8 992	1 584	3 159	:	:	1 171	:	233	70	15 209
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	126 265	2 735 213	4 056 575	:	:	:	:	:	565 852	7 483 905
1.1 Intermediate consumption	47 284	1 855 518	3 361 340	:	:	:	:	:	229 666	5 493 809
1.2 Compensation of employees	78 980	879 695	695 235	:	:	:	:	:	336 186	1 990 096
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	27 539	6 791 788	6 097 073	:	:	:	:	:	420 362	13 336 763
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	27 539	6 791 788	6 097 073	:	:	:	:	:	420 362	13 336 763
3. GROSS FIXED CAPITAL FORMATION	14 029	6 317 387	982 578	:	:	:	:	:	44 167	7 358 160
4.1 Investment grants given	520	1 192 499	729 529	:	:	:	:	:	3 637	1 926 185
4.2 Investment grants received	36 373	2 565 821	491 549	:	:	:	:	:	15 069	3 108 811
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	8 833	106 000	362 686	:	:	:	:	:	24 941	502 460
5. Labour inputs in public env. Protection activities	1 169	30 993	24 486	:	:	:	:	:	13 227	69 875
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	733 166	2 759 115	4 053 457	:	:	120 549	:	193 294	598 068	8 457 649
1.1 Intermediate consumption	424 000	1 830 577	3 240 272	:	:	91 971	:	180 823	254 608	6 022 250
1.2 Compensation of employees	309 166	928 538	813 186	:	:	28 578	:	12 471	343 460	2 435 400
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	731 088	6 514 837	5 710 485	:	:	8 833	:	1 559	385 029	13 351 831
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	731 088	6 514 837	5 710 485	:	:	8 833	:	1 559	385 029	13 351 831
3. GROSS FIXED CAPITAL FORMATION	231 225	6 588 622	1 617 538	:	:	46 245	:	1 559	58 196	8 543 385
4.1 Investment grants given	858 391	2 673 900	679 127	:	:	91 451	:	:	3 118	4 305 986
4.2 Investment grants received	220 833	2 672 341	511 813	:	:	9 353	:	520	19 745	3 434 605
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	1 123 911	130 941	340 862	:	:	61 833	:	14 549	25 461	1 697 557
5. Labour inputs in public env. Protection activities	8 856	28 571	27 247	:	:	804	:	300	13 554	79 332

Data refer to Old Länder (West Germany) for data in Air & Climate, Wastewater, Waste and Noise & Vibration domains for all years except for 1995 for Central & State and 1996 for Local Government. Revenue includes only Fees & Other. Output includes no Consumption of fixed capital. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

Please note that LABOUR INPUTS are in number of persons!

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Germany

-1995

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	846 960	134 578	60 794	:	:	210 961	:	176 147	119 510	1 548 950
1.1 Intermediate consumption	439 068	131 461	60 274	:	:	117 431	:	166 274	119 510	1 034 019
1.2 Compensation of employees	407 892	3 118	520	:	:	93 529	:	9 873	:	514 931
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	971 666	806 431	41 569	:	:	47 804	:	520	0	1 867 989
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	971 666	806 431	41 569	:	:	47 804	:	520	0	1 867 989
3. GROSS FIXED CAPITAL FORMATION	281 627	520	12 471	:	:	32 216	:	3 118	:	329 951
4.1 Investment grants given	350 215	1 139 499	65 471	:	:	64 951	:	:	:	1 620 136
4.2 Investment grants received	37 412	0	6 235	:	:	8 833	:	0	:	52 480
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	1 992 694	16 108	2 598	:	:	84 696	:	22 863	:	2 118 959
5. Labour inputs in public env. Protection activities	11 417	125	115	:	:	2 432	:	201	69	14 359

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	172 510	2 923 831	4 165 692	:	:	386 588	:	:	571 049	8 219 669
1.1 Intermediate consumption	56 118	2 045 694	3 538 526	:	:	197 970	:	:	272 274	6 110 583
1.2 Compensation of employees	116 392	878 136	627 166	:	:	188 617	:	:	298 774	2 109 086
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	25 980	7 346 209	6 379 739	:	:	73 784	:	:	431 274	14 256 987
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	25 980	7 346 209	6 379 739	:	:	73 784	:	:	431 274	14 256 987
3. GROSS FIXED CAPITAL FORMATION	19 225	6 036 279	783 568	:	:	235 382	:	:	33 255	7 107 709
4.1 Investment grants given	1 559	1 291 744	745 117	:	:	25 980	:	:	3 637	2 068 037
4.2 Investment grants received	48 843	2 556 988	494 147	:	:	242 657	:	:	11 951	3 354 585
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	3 637	177 706	536 754	:	:	61 833	:	:	14 029	793 960
5. Labour inputs in public env. Protection activities	1 996	31 212	23 910	:	:	:	:	:	13 790	70 908

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	841 764	2 942 017	4 135 555	:	:	160 559	:	213 559	644 833	8 938 286
1.1 Intermediate consumption	450 500	2 003 086	3 436 164	:	:	121 069	:	200 568	306 049	6 517 435
1.2 Compensation of employees	390 745	938 931	699 392	:	:	39 490	:	12 990	338 264	2 419 812
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	738 362	7 047 435	6 131 887	:	:	18 186	:	1 039	420 882	14 357 791
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	738 362	7 047 435	6 131 887	:	:	18 186	:	1 039	420 882	14 357 791
3. GROSS FIXED CAPITAL FORMATION	252 529	6 329 338	993 489	:	:	42 088	:	6 235	44 167	7 667 846
4.1 Investment grants given	678 607	2 569 978	770 578	:	:	75 863	:	:	3 637	4 098 663
4.2 Investment grants received	84 696	2 589 723	497 784	:	:	16 108	:	520	15 069	3 203 899
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	955 038	138 216	369 441	:	:	77 941	:	28 059	25 980	1 594 675
5. Labour inputs in public env. Protection activities	10 290	32 585	27 719	:	:	1 178	:	297	13 305	85 374

Data refer to Old Länder (West Germany) for data in Air & Climate, Wastewater, Waste and Noise & Vibration domains for all years except for 1995 for Central & State and 1996 for Local Government. Revenue includes only Fees & Other. Output includes no Consumption of fixed capital. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

Please note that LABOUR INPUTS are in number of persons!

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Germany

-1996

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	197 451	2 790 811	4 329 369	:	:	265 000	:	:	603 784	8 186 414
1.1 Intermediate consumption	51 441	1 970 351	3 713 114	:	:	105 480	:	:	317 480	6 157 867
1.2 Compensation of employees	146 010	820 460	616 254	:	:	159 519	:	:	286 304	2 028 547
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	23 382	7 378 425	6 610 965	:	:	49 882	:	:	420 882	14 483 536
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	23 382	7 378 425	6 610 965	:	:	49 882	:	:	420 882	14 483 536
3. GROSS FIXED CAPITAL FORMATION	17 667	5 326 495	791 882	:	:	156 402	:	:	29 618	6 322 063
4.1 Investment grants given	2 078	1 279 273	743 558	:	:	10 912	:	:	3 637	2 039 459
4.2 Investment grants received	51 961	2 314 851	511 813	:	:	194 853	:	:	9 873	3 083 350
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	5 196	300 853	557 019	:	:	75 863	:	:	0	938 931
5. Labour inputs in public env. Protection activities	2 225	30 681	23 137	:	:	:	:	:	12 697	68 740

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	886 970	3 144 664	4 234 800	:	:	533 637	:	213 039	658 862	9 671 972
1.1 Intermediate consumption	448 421	2 208 331	3 605 556	:	:	300 853	:	199 529	359 049	7 121 739
1.2 Compensation of employees	438 549	936 852	629 245	:	:	232 784	:	13 510	299 813	2 550 753
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	601 186	7 609 650	6 494 053	:	:	101 843	:	1 039	431 274	15 239 045
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	601 186	7 609 650	6 494 053	:	:	101 843	:	1 039	431 274	15 239 045
3. GROSS FIXED CAPITAL FORMATION	276 951	6 048 230	786 686	:	:	269 676	:	5 196	33 255	7 419 993
4.1 Investment grants given	368 921	2 622 458	793 440	:	:	86 255	:	0	3 637	3 874 712
4.2 Investment grants received	81 578	2 580 370	497 784	:	:	252 010	:	0	11 951	3 423 693
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	1 667 420	196 931	537 794	:	:	142 372	:	22 343	14 029	2 580 890
5. Labour inputs in public env. Protection activities	10 988	32 796	27 069	:	:	1 171	:	233	13 860	86 117

Data refer to Old Länder (West Germany) for data in Air & Climate, Wastewater, Waste and Noise & Vibration domains for all years except for 1995 for Central & State and 1996 for Local Government. Revenue includes only Fees & Other. Output includes no Consumption of fixed capital. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

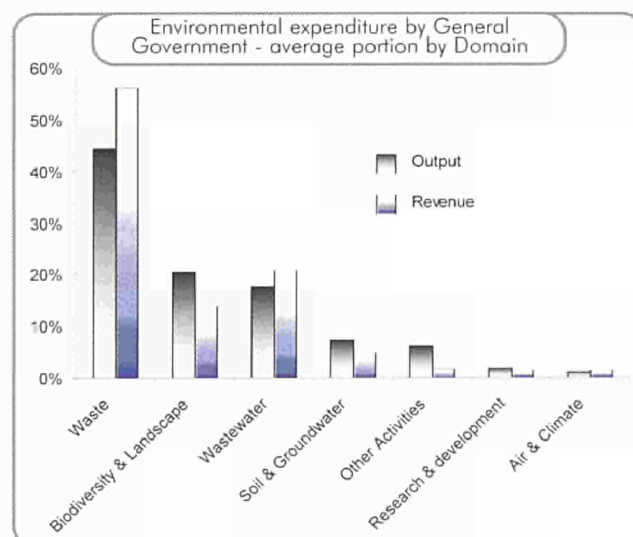
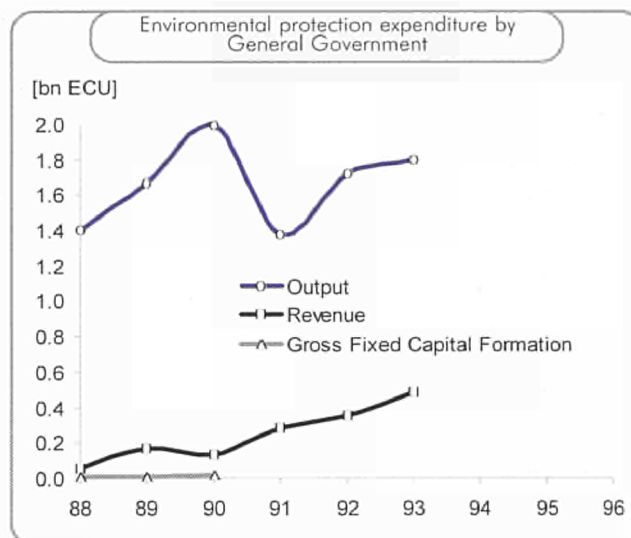
Please note that LABOUR INPUTS are in number of persons!

## Environmental Protection Expenditure by General Government

### Spain

The Spanish output of environmental protection expenditure by General Government was larger than the environmental protection revenue activities during the 1988 to 1993 period. The output grew from ECU 1.4 bn in 1988 to top in 1990 with ECU 2.0 bn. A drop in "Intermediate consumption" in 1991 caused the output to fall 31%. The output levelled at ECU 1.8 bn in 1993. The revenue grew steadily (with an exception in 1990) from ECU 50 million in 1988 to 483 million in 1993. In 1990, only ECU 16 million was reported as Gross Fixed Capital Formation (GFCF).

From 1988 to 1993 the largest output by environmental domain was "Waste" with 44% or ECU 4.4 bn. The second was "Biodiversity & landscape" with 21% or ECU 2.1 bn. The third was "Wastewater" with 18% or ECU 1.8 bn. The largest domain for revenue was "Waste" with 56% or ECU 821 million, next was "Wastewater" with 21% or ECU 305 million.



# Environmental Protection Expenditure by General Government

[1000 ECU]

**Spain**  
-1988

## CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	1 540	14 633	593	7 317	0	28 732	98	10 605	515	64 033
1.1 Intermediate consumption	564	3 841	186	1 920	0	5 161	43	:	:	11 715
1.2 Compensation of employees	977	10 792	407	5 396	0	23 571	55	:	:	41 198
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	10 605	515	11 120
2. Revenue from env. Protection activities	211	763	191	381	0	1 742	:	:	:	3 287
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	3 933	143	4 076
4.1 Investment grants given	2 383	23 794	2 064	11 897	0	147 034	145	:	:	187 318
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

## LOCAL GOVERNMENT

1. Output of public env. Protection activities	18 688	267 466	597 799	167 122	44	256 988	25	1 963	24 900	1 334 996
1.1 Intermediate consumption	7 385	198 087	485 244	117 199	24	81 931	1	:	:	889 871
1.2 Compensation of employees	11 303	69 379	112 555	49 923	20	175 057	25	:	:	418 262
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	1 963	24 900	26 863
2. Revenue from env. Protection activities	847	11 726	18 898	7 017	0	7 795	:	:	:	46 283
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	612	5 285	5 897
4.1 Investment grants given	8 093	:	57 763	104 335	20	197 748	87	:	:	368 047
4.2 Investment grants received	:	181 171	:	:	:	:	:	:	:	181 171
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

## GENERAL GOVERNMENT

1. Output of public env. Protection activities	20 228	282 099	598 392	174 438	44	285 720	124	12 568	25 415	1 399 029
1.1 Intermediate consumption	7 949	201 928	485 430	119 120	24	87 092	44	:	:	901 586
1.2 Compensation of employees	12 280	80 171	112 962	55 319	20	198 628	80	:	:	459 460
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	12 568	25 415	37 983
2. Revenue from env. Protection activities	1 058	12 489	19 089	7 399	0	9 537	:	:	:	49 570
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	4 545	5 428	9 973
4.1 Investment grants given	10 475	23 794	59 827	116 232	20	344 782	233	:	:	555 364
4.2 Investment grants received	:	181 171	:	:	:	:	:	:	:	181 171
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

**Spain**  
-1989

### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev't</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	1 595	15 519	1 449	7 759	0	38 094	113	12 632	836	77 997
1.1 Intermediate consumption	557	5 776	369	2 888	0	7 384	46	:	:	17 020
1.2 Compensation of employees	1 038	9 743	1 080	4 872	0	30 710	66	:	:	47 509
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	12 632	836	13 468
2. Revenue from env. Protection activities	746	222	2 044	111	0	3 026	:	:	:	6 149
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	4 922	732	5 654
4.1 Investment grants given	1 803	14 180	3 690	7 090	0	170 824	69	:	:	197 655
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	33 619	342 344	696 779	212 156	194	296 117	77	2 041	751	1 584 078
1.1 Intermediate consumption	14 135	246 872	559 173	144 114	62	96 629	20	:	:	1 061 005
1.2 Compensation of employees	19 484	95 472	137 606	68 042	132	199 488	57	:	:	520 281
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	2 041	751	2 792
2. Revenue from env. Protection activities	2 650	63 206	29 497	35 986	73	28 564	:	:	:	159 976
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	751	751	1 502
4.1 Investment grants given	48 057	:	94 542	193 286	1 027	254 549	177	:	:	591 638
4.2 Investment grants received	:	313 178	:	:	:	:	:	:	:	313 178
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	35 215	357 863	698 228	219 915	194	334 210	190	14 673	1 587	1 662 074
1.1 Intermediate consumption	14 692	252 648	559 542	147 002	62	104 013	67	:	:	1 078 024
1.2 Compensation of employees	20 522	105 215	138 686	72 913	132	230 198	123	:	:	567 790
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	14 673	1 587	16 260
2. Revenue from env. Protection activities	3 396	63 427	31 541	36 097	73	31 591	:	:	:	166 125
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	5 673	1 483	7 156
4.1 Investment grants given	49 859	14 180	98 233	200 376	1 027	425 373	246	:	:	789 293
4.2 Investment grants received	:	313 178	:	:	:	:	:	:	:	313 178
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.



## Environmental Protection Expenditure by General Government

[1000 ECU]

**Spain**  
-1990

### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev't</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	3 282	25 096	2 134	12 548	0	41 691	1 457	11 835	1 579	99 621
1.1 Intermediate consumption	1 565	8 286	491	4 143	0	6 992	943	:	:	22 420
1.2 Compensation of employees	1 718	16 810	1 643	8 405	0	34 698	514	:	:	63 788
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	11 835	1 579	13 414
2. Revenue from env. Protection activities	755	133	2 704	0	0	2 253	:	:	:	5 844
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	1 674	586	2 260
4.1 Investment grants given	1 718	41 919	3 628	20 959	0	340 043	116	:	:	408 382
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	22 175	407 885	767 978	253 260	235	373 734	0	7 313	61 894	1 894 473
1.1 Intermediate consumption	10 546	291 408	616 744	163 908	78	133 991	0	:	:	1 216 675
1.2 Compensation of employees	11 629	116 476	151 234	89 352	157	239 743	0	:	:	608 591
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	7 313	61 894	69 207
2. Revenue from env. Protection activities	2 820	41 154	41 998	23 214	105	14 378	:	:	:	123 670
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	1 706	11 831	13 538
4.1 Investment grants given	15 544	:	93 822	213 105	1 266	282 750	0	:	:	606 487
4.2 Investment grants received	:	363 499	:	:	:	:	:	:	:	363 499
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	25 457	432 980	770 112	265 808	235	415 424	1 457	19 148	63 473	1 994 094
1.1 Intermediate consumption	12 110	299 694	617 235	168 051	78	140 983	943	:	:	1 239 094
1.2 Compensation of employees	13 347	133 286	152 877	97 757	157	274 441	514	:	:	672 379
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	19 148	63 473	82 621
2. Revenue from env. Protection activities	3 575	41 287	44 702	23 214	105	16 631	:	:	:	129 514
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	3 381	12 417	15 798
4.1 Investment grants given	17 261	41 919	97 450	234 065	1 266	622 793	116	:	:	1 014 869
4.2 Investment grants received	:	363 499	:	:	:	:	:	:	:	363 499
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

**Spain**

-1991

### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	4 269	9 704	1 727	26 293	290	28 968	5 591	16 054	55 410	148 307
1.1 Intermediate consumption	1 192	2 026	100	19 168	72	3 471	1 242	3 239	10 115	40 624
1.2 Compensation of employees	3 077	7 679	1 628	7 126	217	25 497	4 350	12 815	45 295	107 682
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	0	767	2 026	0	0	0	:	311	2 225	5 329
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	4 136	16 681	2 887	6 104	6 065	326 518	1 641	6 308	12 039	382 380
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	10 027	191 069	624 793	4 597	1 177	238 884	:	11 980	145 193	1 227 719
1.1 Intermediate consumption	3 454	141 466	440 048	1 053	280	37 095	:	5 412	34 578	663 386
1.2 Compensation of employees	6 573	49 603	184 745	3 544	897	201 790	:	6 567	110 615	564 333
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	1 093	24 067	209 831	495	198	36 244	:	3 990	3 154	279 071
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	13 609	:	180 495	9 680	885	397 305	:	16 056	19 257	637 287
4.2 Investment grants received	:	274 760	:	:	:	:	:	:	:	274 760
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	14 295	200 774	626 521	30 890	1 466	267 852	5 591	28 033	200 603	1 376 026
1.1 Intermediate consumption	4 646	143 492	440 148	20 221	352	40 565	1 242	8 651	44 693	704 011
1.2 Compensation of employees	9 649	57 281	186 373	10 669	1 114	227 287	4 350	19 382	155 910	672 015
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	1 093	24 833	211 858	495	198	36 244	:	4 301	5 379	284 400
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	17 745	16 681	183 382	15 784	6 950	723 823	1 641	22 365	31 295	1 019 667
4.2 Investment grants received	:	274 760	:	:	:	:	:	:	:	274 760
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

**Spain**  
-1992

### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	1 825	9 729	925	25 847	303	26 146	10 431	41 453	31 623	148 283
1.1 Intermediate consumption	283	1 582	24	20 774	71	2 410	311	5 660	7 532	38 647
1.2 Compensation of employees	1 542	8 147	901	5 073	231	23 736	10 120	35 794	24 091	109 636
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	0	0	3 773	0	0	221	:	279	585	4 858
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	3 106	51 847	1 042	2 692	15 338	261 573	2 451	23 582	33 661	395 292
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	18 109	232 257	801 138	5 016	1 400	387 421	0	19 193	106 570	1 571 103
1.1 Intermediate consumption	5 439	171 038	555 757	3 082	285	130 201	0	8 060	26 596	900 457
1.2 Compensation of employees	12 670	61 219	245 381	1 933	1 115	257 220	0	11 134	79 974	670 647
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	4 498	68 963	227 068	764	0	27 876	:	6 532	10 017	345 717
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	11 650	:	136 843	3 760	562	460 781	0	23 230	20 568	657 395
4.2 Investment grants received	:	399 683	:	:	:	:	:	:	:	399 683
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	19 935	241 986	802 063	30 862	1 702	413 567	10 431	60 647	138 193	1 719 386
1.1 Intermediate consumption	5 722	172 619	555 780	23 856	356	132 611	311	13 719	34 128	939 103
1.2 Compensation of employees	14 213	69 366	246 282	7 006	1 346	280 956	10 120	46 927	104 065	780 283
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	4 498	68 963	230 840	764	0	28 097	:	6 811	10 601	350 575
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	14 756	51 847	137 885	6 452	15 900	722 354	2 451	46 812	54 229	1 052 687
4.2 Investment grants received	:	399 683	:	:	:	:	:	:	:	399 683
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

**Spain**  
-1993

### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	392	9 325	1 108	5 584	293	40 449	13 423	45 330	11 054	126 958
1.1 Intermediate consumption	8	1 609	157	1 597	69	8 151	1 274	18 701	2 553	34 118
1.2 Compensation of employees	384	7 716	951	3 987	224	32 298	12 150	26 630	8 501	92 839
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	0	125	0	0	0	1 269	:	268	575	2 237
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	5 613	76 461	4 019	10 135	6 905	379 005	4 129	19 986	4 894	511 148
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	13 367	229 320	921 320	17 961	1 734	294 211	13	11 231	178 760	1 667 918
1.1 Intermediate consumption	3 096	153 209	699 840	7 931	459	103 584	10	5 862	47 719	1 021 710
1.2 Compensation of employees	10 271	76 112	221 480	10 029	1 275	190 627	4	5 369	131 042	646 208
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	6 344	94 060	283 610	1 773	300	79 729	:	7 963	7 046	480 826
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	15 371	:	150 724	3 469	907	352 527	0	9 951	35 162	568 112
4.2 Investment grants received	:	393 705	:	:	:	:	:	:	:	393 705
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	13 759	238 646	922 428	23 544	2 027	334 660	13 437	56 561	189 815	1 794 876
1.1 Intermediate consumption	3 104	154 818	699 997	9 529	528	111 736	1 283	24 563	50 272	1 055 828
1.2 Compensation of employees	10 656	83 828	222 430	14 016	1 499	222 925	12 153	31 998	139 543	739 047
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	6 344	94 185	283 610	1 773	300	80 998	:	8 231	7 621	483 063
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	20 984	76 461	154 742	13 604	7 813	731 532	4 129	29 938	40 057	1 079 259
4.2 Investment grants received	:	393 705	:	:	:	:	:	:	:	393 705
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

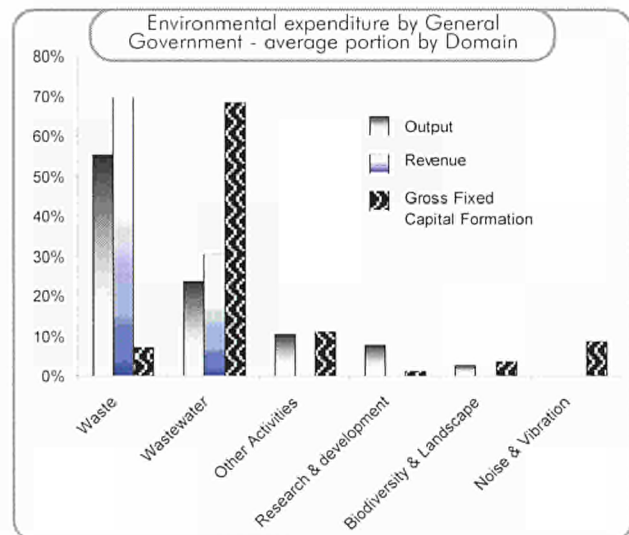
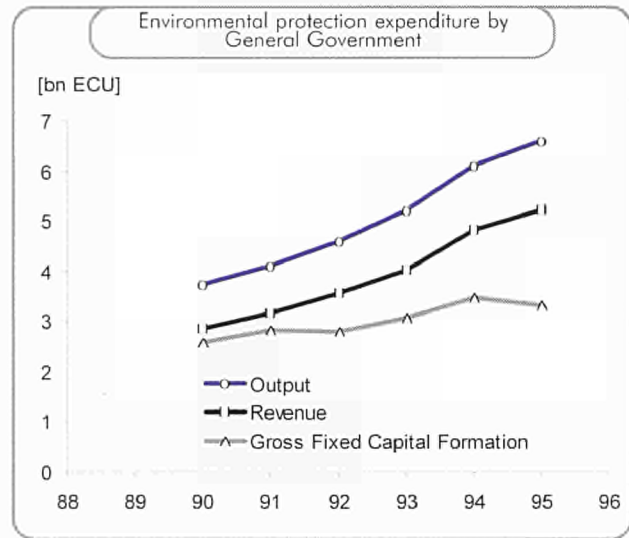
Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

### France

Both the French environmental protection output and revenue grew each year over the period from 1990 to 1995, however environmental protection output by General Government kept above the revenue from environmental protection activities each year. Output in 1990 was ECU 3.7 bn and grew to ECU 6.6 bn in 1995. Revenue, of which most came from "current transfers", increased from ECU 2.9 bn in 1990 to ECU 5.2 bn in 1995. Gross Fixed Capital Formation (GFCF) grew from ECU 2.6 bn in 1990 to ECU 3.5 bn in 1994 and fell slightly to ECU 3.3 bn in 1995.

The largest output share by environmental domain was "Waste" (55%) followed by "Wastewater" (24%) and "Other activities" (10%). About 70% of revenue went to the "Waste" domain, while the rest went to "Wastewater". The majority of GFCF went to "Wastewater" (68%), far behind the "Other activities" (11%) and "Noise & Vibration" (9%).



## Environmental Protection Expenditure by General Government

[1000 ECU]

### France

-1990

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	:	:	:	:	:	:	:	315 297	367 364	682 661
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	182 670	:	:	:	:	182 670
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	18 802	:	:	33 265	233 580	285 647
4.1 Investment grants given	:	:	:	:	10 847	:	:	:	:	10 847
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	1 674 689	:	:	:	:	:	:	:	:	1 674 689
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	762 642	2 133 749	:	:	123 660	:	:	:	3 020 052
1.1 Intermediate consumption	:	275 379	1 570 699	:	:	:	:	:	:	1 846 077
1.2 Compensation of employees	:	143 330	246 018	:	:	:	:	:	:	389 348
1.3 Consumption of fixed capital	:	:	298 809	:	79 837	:	:	:	:	378 645
2. Revenue from env. Protection activities	:	762 642	2 104 679	:	:	:	:	:	:	2 867 321
2.1 Current transfers	:	0	2 104 679	:	:	:	:	:	:	2 104 679
2.2 Fees and other	:	762 642	:	:	:	:	:	:	:	762 642
3. GROSS FIXED CAPITAL FORMATION	:	2 024 119	172 690	:	0	108 474	:	:	:	2 305 283
4.1 Investment grants given	:	203 352	0	:	:	:	:	:	:	203 352
4.2 Investment grants received	:	182 380	0	:	:	:	:	:	:	182 380
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	7 087	12 294	:	:	:	:	:	:	19 381
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	:	762 642	2 133 749	:	:	123 660	:	315 297	367 364	3 702 713
1.1 Intermediate consumption	:	275 379	1 570 699	:	:	:	:	:	:	1 846 077
1.2 Compensation of employees	:	143 330	246 018	:	:	:	:	:	:	389 348
1.3 Consumption of fixed capital	:	:	298 809	:	262 506	:	:	:	:	561 315
2. Revenue from env. Protection activities	:	762 642	2 104 679	:	:	:	:	:	:	2 867 321
2.1 Current transfers	:	0	2 104 679	:	:	:	:	:	:	2 104 679
2.2 Fees and other	:	762 642	:	:	:	:	:	:	:	762 642
3. GROSS FIXED CAPITAL FORMATION	:	2 024 119	172 690	:	18 802	108 474	:	33 265	233 580	2 590 930
4.1 Investment grants given	:	203 352	0	:	10 847	:	:	:	:	214 199
4.2 Investment grants received	:	182 380	0	:	:	:	:	:	:	182 380
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	1 674 689	7 087	12 294	:	:	:	:	:	:	1 694 070
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Nearly all figures were reported as coming from "Local Government" except output and GFCF, where values were allocated to "Research & development" and "Other activities". These "Central & State Government" figures were included in General Government.

Wastewater: The consumption of fixed capital has not been determined. The formula  $1. = 1.1 + 1.2 + 1.3$  is not verified in France. We have  $1. = 1.1 + 1.2 + 1.3 + \text{other taxes on output} - \text{other subsidies on output} + \text{net operating surplus}$ . 4.1 = subsidies given by les Agences de l'Eau and the FNDAE (classified as "others bodies of local Government"). 4.3 = other subsidies on production addressed to the non-specialized producers. The other subsidies on output addressed to the General Government have not been included in point 2. nor in point 4.3

Waste: The difference between 1. and 1.1 + 1.2 + 1.3 are the other taxes on output. The output includes the non environmental output (related products). The difference between the output (1.) and the revenue (2.) is the non environmental output. 4.3 = other subsidies on production from les Agences de l'Eau to the non-specialized producers.

Noise & Vibration: Estimations made by the ministry of Environment. Methodology is different from that used in the estimations of the waste and wastewater domains.

Biodiversity & Landscape, Research & Development and Other environmental protection activities: Estimations made by the Ministry of Environment. Methodology is different of the waste and waste water domains estimations. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

# Environmental Protection Expenditure by General Government

[1000 ECU]

## France

-1991

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	334 848	406 406	741 254
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	186 568	:	:	:	:	186 568
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	18 642	:	:	35 134	265 440	319 217
4.1 Investment grants given	:	:	:	:	4 302	:	:	:	:	4 302
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	200 622	:	:	:	:	:	:	:	:	200 622
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	866 445	2 335 186	:	:	127 629	:	:	:	3 329 261
1.1 Intermediate consumption	:	312 764	1 717 833	:	:	:	:	:	:	2 030 597
1.2 Compensation of employees	:	162 907	269 742	:	:	:	:	:	:	432 649
1.3 Consumption of fixed capital	:	:	327 534	:	77 581	:	:	:	:	405 115
2. Revenue from env. Protection activities	:	866 445	2 301 343	:	:	:	:	:	:	3 167 788
2.1 Current transfers	:	0	2 301 343	:	:	:	:	:	:	2 301 343
2.2 Fees and other	:	866 445	:	:	:	:	:	:	:	866 445
3. GROSS FIXED CAPITAL FORMATION	:	2 183 608	212 955	:	0	113 289	:	:	:	2 509 852
4.1 Investment grants given	:	198 471	0	:	:	:	:	:	:	198 471
4.2 Investment grants received	:	171 941	0	:	:	:	:	:	:	171 941
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	7 170	13 623	:	:	:	:	:	:	20 794
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	866 445	2 335 186	:	:	127 629	:	334 848	406 406	4 070 514
1.1 Intermediate consumption	:	312 764	1 717 833	:	:	:	:	:	:	2 030 597
1.2 Compensation of employees	:	162 907	269 742	:	:	:	:	:	:	432 649
1.3 Consumption of fixed capital	:	:	327 534	:	264 150	:	:	:	:	591 684
2. Revenue from env. Protection activities	:	866 445	2 301 343	:	:	:	:	:	:	3 167 788
2.1 Current transfers	:	0	2 301 343	:	:	:	:	:	:	2 301 343
2.2 Fees and other	:	866 445	:	:	:	:	:	:	:	866 445
3. GROSS FIXED CAPITAL FORMATION	:	2 183 608	212 955	:	18 642	113 289	:	35 134	265 440	2 829 069
4.1 Investment grants given	:	198 471	0	:	4 302	:	:	:	:	202 773
4.2 Investment grants received	:	171 941	0	:	:	:	:	:	:	171 941
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	200 622	7 170	13 623	:	:	:	:	:	:	221 415
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Nearly all figures were reported as coming from "Local Government" except output and GFCF, where values were allocated to "Research & development" and "Other activities". These "Central & State Government" figures were included in General Government.

Wastewater: The consumption of fixed capital has not been determined. The formula  $1. = 1.1 + 1.2 + 1.3$  is not verified in France. We have  $1. = 1.1 + 1.2 + 1.3 + \text{other taxes on output} - \text{other subsidies on output} + \text{net operating surplus}$ . 4.1 = subsidies given by les Agences de l'Eau and the FNDAE (classified as "others bodies of local Government"). 4.3 = other subsidies on production addressed to the non specialized producers. The other subsidies on output addressed to the General Government have not been included in point 2. neither in point 4.3

Waste: The difference between 1. and  $1.1 + 1.2 + 1.3$  are the other taxes on output. The output includes the non environmental output (related products). The difference between the output (1.) and the revenue (2.) is the non environmental output. 4.3 = other subsidies on production from les Agences de l'Eau to the non specialized producers.

Noise & Vibration: Estimations made by the ministry of Environment. Methodology is different from that used in the estimations of the waste and wastewater domains.

Biodiversity & Landscape, Research & Development and Other environmental protection activities: Estimations made by the ministry of Environment. Methodology is different of the waste and waste water domains estimations. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

### France

-1992

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	:	:	:	:	:	:	:	369 430	487 706	857 136
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	191 432	:	:	:	:	191 432
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	250 424	:	:	38 695	304 451	593 570
4.1 Investment grants given	:	:	:	:	101 484	:	:	:	:	101 484
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	2 619 156	:	:	:	:	:	:	:	:	2 619 156
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	975 120	2 611 125	:	:	135 798	:	:	:	3 722 043
1.1 Intermediate consumption	:	352 054	1 922 058	:	:	:	:	:	:	2 274 111
1.2 Compensation of employees	:	183 255	301 093	:	:	:	:	:	:	484 347
1.3 Consumption of fixed capital	:	:	365 633	:	75 492	:	:	:	:	441 126
2. Revenue from env. Protection activities	:	975 120	2 571 845	:	:	:	:	:	:	3 546 965
2.1 Current transfers	:	0	2 571 845	:	:	:	:	:	:	2 571 845
2.2 Fees and other	:	975 120	:	:	:	:	:	:	:	975 120
3. GROSS FIXED CAPITAL FORMATION	:	1 834 738	233 924	:	10 513	119 736	:	:	:	2 198 911
4.1 Investment grants given	:	269 406	0	:	:	:	:	:	:	269 406
4.2 Investment grants received	:	235 676	0	:	:	:	:	:	:	235 676
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	7 155	16 062	:	:	:	:	:	:	23 217
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	:	975 120	2 611 125	:	:	135 798	:	369 430	487 706	4 579 178
1.1 Intermediate consumption	:	352 054	1 922 058	:	:	:	:	:	:	2 274 111
1.2 Compensation of employees	:	183 255	301 093	:	:	:	:	:	:	484 347
1.3 Consumption of fixed capital	:	:	365 633	:	266 924	:	:	:	:	632 557
2. Revenue from env. Protection activities	:	975 120	2 571 845	:	:	:	:	:	:	3 546 965
2.1 Current transfers	:	0	2 571 845	:	:	:	:	:	:	2 571 845
2.2 Fees and other	:	975 120	:	:	:	:	:	:	:	975 120
3. GROSS FIXED CAPITAL FORMATION	:	1 834 738	233 924	:	260 937	119 736	:	38 695	304 451	2 792 481
4.1 Investment grants given	:	269 406	0	:	101 484	:	:	:	:	370 890
4.2 Investment grants received	:	235 676	0	:	:	:	:	:	:	235 676
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	2 619 156	7 155	16 062	:	:	:	:	:	:	2 642 373
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Nearly all figures were reported as coming from "Local Government" except output and GFCF, where values were allocated to "Research & development" and "Other activities". These "Central & State Government" figures were included in General Government.

Wastewater: The consumption of fixed capital has not been determined. The formula  $1. = 1.1 + 1.2 + 1.3$  is not verified in France. We have  $1. = 1.1 + 1.2 + 1.3 + \text{other taxes on output} - \text{other subsidies on output} + \text{net operating surplus}$ . 4.1 = subsidies given by les Agences de l'Eau and the FNDAE (classified as "others bodies of local Government"). 4.3 = other subsidies on production addressed to the non-specialized producers. The other subsidies on output addressed to the General Government have not been included in point 2. nor in point 4.3

Waste: The difference between 1. and  $1.1 + 1.2 + 1.3$  are the other taxes on output. The output includes the non environmental output (related products). The difference between the output (1.) and the revenue (2.) is the non environmental output. 4.3 = other subsidies on production from les Agences de l'Eau to the non-specialized producers.

Noise & Vibration: Estimations made by the Ministry of Environment. Methodology is different from that used in the estimations of the waste and wastewater domains.

Biodiversity & Landscape, Research & Development and Other environmental protection activities: Estimations made by the Ministry of Environment. Methodology is different of the waste and waste water domains estimations. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.



## Environmental Protection Expenditure by General Government

[1000 ECU]

### France

-1993

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	:	:	:	:	:	:	:	403 999	573 890	977 889
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	198 382	:	:	:	:	198 382
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	392 693	:	:	42 209	370 684	805 586
4.1 Investment grants given	:	:	:	:	4 522	:	:	:	:	4 522
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	2 727 144	:	:	:	:	:	:	:	:	2 727 144
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	1 110 243	2 951 002	:	:	145 470	:	:	:	4 206 715
1.1 Intermediate consumption	:	400 833	2 179 183	:	:	:	:	:	:	2 580 016
1.2 Compensation of employees	:	208 783	337 369	:	:	:	:	:	:	546 152
1.3 Consumption of fixed capital	:	:	409 426	:	76 730	:	:	:	:	486 155
2. Revenue from env. Protection activities	:	1 110 243	2 906 230	:	:	:	:	:	:	4 016 474
2.1 Current transfers	:	0	2 906 230	:	:	:	:	:	:	2 906 230
2.2 Fees and other	:	1 110 243	:	:	:	:	:	:	:	1 110 243
3. GROSS FIXED CAPITAL FORMATION	:	1 921 859	224 310	:	15 225	116 074	:	:	:	2 277 469
4.1 Investment grants given	:	389 829	3 919	:	:	:	:	:	:	393 748
4.2 Investment grants received	:	356 966	3 919	:	:	:	:	:	:	360 886
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	6 331	18 843	:	:	:	:	:	:	25 175
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	:	1 110 243	2 951 002	:	:	145 470	:	403 999	573 890	5 184 603
1.1 Intermediate consumption	:	400 833	2 179 183	:	:	:	:	:	:	2 580 016
1.2 Compensation of employees	:	208 783	337 369	:	:	:	:	:	:	546 152
1.3 Consumption of fixed capital	:	:	409 426	:	275 111	:	:	:	:	684 537
2. Revenue from env. Protection activities	:	1 110 243	2 906 230	:	:	:	:	:	:	4 016 474
2.1 Current transfers	:	0	2 906 230	:	:	:	:	:	:	2 906 230
2.2 Fees and other	:	1 110 243	:	:	:	:	:	:	:	1 110 243
3. GROSS FIXED CAPITAL FORMATION	:	1 921 859	224 310	:	407 918	116 074	:	42 209	370 684	3 083 055
4.1 Investment grants given	:	389 829	3 919	:	4 522	:	:	:	:	398 271
4.2 Investment grants received	:	356 966	3 919	:	:	:	:	:	:	360 886
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	2 727 144	6 331	18 843	:	:	:	:	:	:	2 752 318
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Nearly all figures were reported as coming from "Local Government" except output and GFCF, where values were allocated to "Research & development" and "Other activities". These "Central & State Government" figures were included in General Government.

Wastewater: The consumption of fixed capital has not been determined. The formula  $1. = 1.1 + 1.2 + 1.3$  is not verified in France. We have  $1. = 1.1 + 1.2 + 1.3 +$  other taxes on output - other subsidies on output - net operating surplus. 4.1 = subsidies given by les Agences de l'Eau and the FNDAE (classified as "others bodies of local Government"). 4.3 = other subsidies on production addressed to the non-specialized producers. The other subsidies on output addressed to the General Government have not been included in point 2, nor in point 4.3

Waste: The difference between 1. and  $1.1 + 1.2 + 1.3$  are the other taxes on output. The output includes the non environmental output (related products). The difference between the output (1.) and the revenue (2.) is the non environmental output. 4.3 = other subsidies on production from les Agences de l'Eau to the non-specialized producers. 4.1 = only grants from ADEME (FMGD). 4.2 = Local government receive grants from ADEME and from corporations ("green point" system). 4.3 = other subsidies on production from les Agences de l'Eau to the non-specialized producers.

Noise & Vibration: Estimations made by the Ministry of Environment.

Biodiversity & Landscape, Research & Development and Other environmental protection activities: Estimations made by the Ministry of Environment. Methodology is different of the waste and waste water domains estimations. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

### France

-1994

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	:	:	:	:	:	:	:	429 920	636 525	1 066 445
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	205 693	:	:	:	:	205 693
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	386 472	:	:	44 055	403 031	833 559
4.1 Investment grants given	:	:	:	:	57 424	:	:	:	:	57 424
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	2 221 304	:	:	:	:	:	:	:	:	2 221 304
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	1 673 954	3 189 763	:	:	151 915	:	:	:	5 015 632
1.1 Intermediate consumption	:	604 319	2 358 331	:	:	:	:	:	:	2 962 650
1.2 Compensation of employees	:	314 768	363 381	:	:	:	:	:	:	678 149
1.3 Consumption of fixed capital	:	:	441 162	:	7 748	:	:	:	:	448 909
2. Revenue from env. Protection activities	:	1 673 954	3 140 087	:	:	:	:	:	:	4 814 041
2.1 Current transfers	:	0	3 140 087	:	:	:	:	:	:	3 140 087
2.2 Fees and other	:	1 673 954	:	:	:	:	:	:	:	1 673 954
3. GROSS FIXED CAPITAL FORMATION	:	2 079 111	249 141	:	19 597	113 177	:	:	:	2 461 026
4.1 Investment grants given	:	484 761	37 523	:	:	:	:	:	:	522 284
4.2 Investment grants received	:	448 454	25 370	:	:	:	:	:	:	473 823
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	7 292	21 724	:	:	:	:	:	:	29 016
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	:	1 673 954	3 189 763	:	:	151 915	:	429 920	636 525	6 082 077
1.1 Intermediate consumption	:	604 319	2 358 331	:	:	:	:	:	:	2 962 650
1.2 Compensation of employees	:	314 768	363 381	:	:	:	:	:	:	678 149
1.3 Consumption of fixed capital	:	:	441 162	:	283 170	:	:	:	:	724 332
2. Revenue from env. Protection activities	:	1 673 954	3 140 087	:	:	:	:	:	:	4 814 041
2.1 Current transfers	:	0	3 140 087	:	:	:	:	:	:	3 140 087
2.2 Fees and other	:	1 673 954	:	:	:	:	:	:	:	1 673 954
3. GROSS FIXED CAPITAL FORMATION	:	2 079 111	249 141	:	582 443	113 177	:	44 055	403 031	3 470 958
4.1 Investment grants given	:	484 761	37 523	:	57 424	:	:	:	:	579 708
4.2 Investment grants received	:	448 454	25 370	:	:	:	:	:	:	473 823
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	2 221 304	7 292	21 724	:	:	:	:	:	:	2 250 320
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Nearly all figures were reported as coming from "Local Government" except output and GFCF, where values were allocated to "Research & development" and "Other activities". These "Central & State Government" figures were included in General Government.

Wastewater: Provisional results. The consumption of fixed capital has not been determined. The formula  $1. = 1.1 + 1.2 + 1.3$  is not verified in France. We have  $1. = 1.1 + 1.2 + 1.3 + \text{other taxes on output} - \text{other subsidies on output} + \text{net operating surplus}$ . 4.1 = subsidies given by les Agences de l'Eau and the FNDAE (classified as "others bodies of local Government"). 4.3 = other subsidies on production addressed to the non-specialized producers. The other subsidies on output addressed to the General Government have not been included in point 2. nor in point 4.3

Waste: Provisional data. The difference between 1. and  $1.1 + 1.2 + 1.3$  are the other taxes on output. The output includes the non environmental output (related products). The difference between the output (1.) and the revenue (2.) is the non environmental output. 4.3 = other subsidies on production from les Agences de l'Eau to the non-specialized producers. 4.1 = only grants from ADEME (FMGD). 4.2 = Local government receive grants from ADEME and from corporations ("green point" system). 4.3 = other subsidies on production from les Agences de l'Eau to the non-specialized producers.

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## Environmental Protection Expenditure by General Government

[1000 ECU]

### France

-1995

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
1. Output of public env. Protection activities	:	:	:	:	:	:	:	455 168	680 607	1 135 775
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	214 251	:	:	:	:	214 251
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	253 484	:	:	43 678	400 456	697 618
4.1 Investment grants given	:	:	:	:	4 598	:	:	:	:	4 598
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	2 056 380	:	:	:	:	:	:	:	:	2 056 380
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	1 796 612	3 484 106	:	:	157 853	:	:	:	5 438 571
1.1 Intermediate consumption	:	651 795	2 579 593	:	:	:	:	:	:	3 231 388
1.2 Compensation of employees	:	370 112	395 245	:	:	:	:	:	:	765 357
1.3 Consumption of fixed capital	:	:	479 996	:	79 539	:	:	:	:	559 535
2. Revenue from env. Protection activities	:	1 796 612	3 428 014	:	:	:	:	:	:	5 224 626
2.1 Current transfers	:	0	3 428 014	:	:	:	:	:	:	3 428 014
2.2 Fees and other	:	1 796 612	:	:	:	:	:	:	:	1 796 612
3. GROSS FIXED CAPITAL FORMATION	:	2 297 450	203 983	:	15 326	109 578	:	:	:	2 626 336
4.1 Investment grants given	:	561 987	59 923	:	:	:	:	:	:	621 910
4.2 Investment grants received	:	518 156	47 509	:	:	:	:	:	:	565 665
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	9 042	25 900	:	:	:	:	:	:	34 942
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	:	1 796 612	3 484 106	:	:	157 853	:	455 168	680 607	6 574 346
1.1 Intermediate consumption	:	651 795	2 579 593	:	:	:	:	:	:	3 231 388
1.2 Compensation of employees	:	370 112	395 245	:	:	:	:	:	:	765 357
1.3 Consumption of fixed capital	:	:	479 996	:	293 790	:	:	:	:	773 786
2. Revenue from env. Protection activities	:	1 796 612	3 428 014	:	:	:	:	:	:	5 224 626
2.1 Current transfers	:	0	3 428 014	:	:	:	:	:	:	3 428 014
2.2 Fees and other	:	1 796 612	:	:	:	:	:	:	:	1 796 612
3. GROSS FIXED CAPITAL FORMATION	:	2 297 450	203 983	:	268 810	109 578	:	43 678	400 456	3 323 954
4.1 Investment grants given	:	561 987	59 923	:	4 598	:	:	:	:	626 508
4.2 Investment grants received	:	518 156	47 509	:	:	:	:	:	:	565 665
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	2 056 380	9 042	25 900	:	:	:	:	:	:	2 091 322
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Nearly all figures were reported as coming from "Local Government" except output and GFCF, where values were allocated to "Research & development" and "Other activities". These "Central & State Government" figures were included in General Government.

Wastewater: Provisional results. The consumption of fixed capital has not been determined. The formula  $1. = 1.1 + 1.2 + 1.3$  is not verified in France. We have  $1. = 1.1 + 1.2 + 1.3 + \text{other taxes on output} - \text{other subsidies on output} + \text{net operating surplus}$ .  $4.1 = \text{subsidies given by les Agences de l'Eau and the FNDAE (classified as "others bodies of local Government")}$ .  $4.3 = \text{other subsidies on production addressed to the non-specialized producers}$ . The other subsidies on output addressed to the General Government have not been included in point 2. nor in point 4.3

Waste: Provisional data. The difference between 1. and  $1.1 + 1.2 + 1.3$  are the other taxes on output. The output includes the non environmental output (related products). The difference between the output (1.) and the revenue (2.) is the non environmental output.  $4.3 = \text{other subsidies on production from les Agences de l'Eau to the non-specialized producers}$ .  $4.1 = \text{only grants from ADEME (FMGD)}$ .  $4.2 = \text{Local government receive grants from ADEME and from corporations ("green point" system)}$ .  $4.3 = \text{other subsidies on production from les Agences de l'Eau to the non-specialized producers}$ .

Noise & Vibration: Estimations made by the Ministry of Environment. Methodology is different from that used in the estimations of the waste and water

Biodiversity & Landscape, Research & Development and Other environmental protection activities: Estimations made by the Ministry of Environment. Methodology is different of the waste and waste water domains estimations.

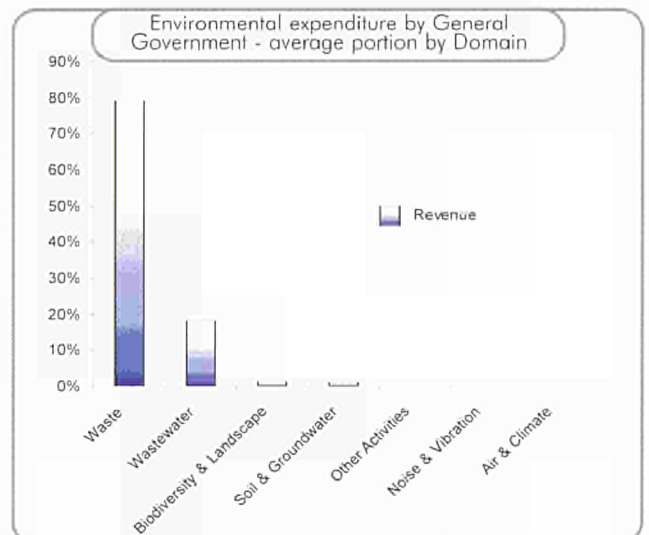
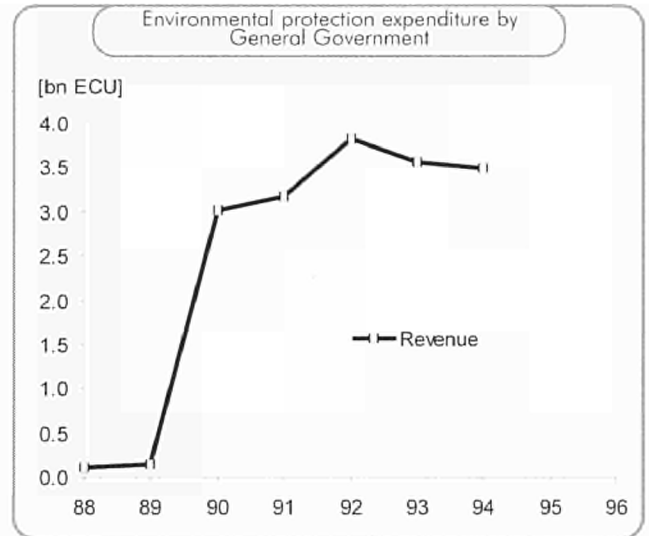
Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

Italy

The revenue from environmental protection activities by General Government for Italy was relatively small in 1988 and 1989 due to lack of data for "Fees & other". Over the 90 to 92 period "Fees & other" accounted for 94% of these values. The revenue grew from ECU 3.0 bn in 1990 to ECU 3.8 in 1992. The revenue fell in 1993 and 1994 to ECU 3.5 bn, partly due to lack of "Current transfers" data.

The majority (79%) of revenue occurred within the "Waste" domain. "Wastewater" was second with 18%.



# Environmental Protection Expenditure by General Government

[1000 ECU]

Italy  
-1988

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	4 507	690 506	40 252	4 290	:	194 681	:	:	23 562	957 798
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	0	72 402	167	6	:	32 431	:	:	1 749	106 754
2.1 Current transfers	0	72 402	167	6	:	32 431	:	:	1 749	106 754
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	4 507	618 473	37 427	14	:	148 725	:	:	22 888	832 034
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	0	72 402	167	6	:	32 431	:	:	1 749	106 754
2.1 Current transfers	0	72 402	167	6	:	32 431	:	:	1 749	106 754
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	4 507	690 506	40 252	4 290	:	194 681	:	:	23 562	957 798
4.2 Investment grants received	4 507	618 473	37 427	14	:	148 725	:	:	22 888	832 034
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

All revenue and "Investment grants received" data were from "Local Government". Only for "Investment grants given" were "Central & State Government" covered by the data.

Investment grants given by State and Regions.

Air & Climate: "Investment grants given" includes expenses for Noise and Protection against radiation.

Current transfers for wastewater includes water supply. Current transfers for Waste include waste treatment only.

Other environmental protection activities do not include Administration, training and information.

# Environmental Protection Expenditure by General Government

[1000 ECU]

**Italy**  
-1989

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	688	662 485	63 283	12 442	:	252 110	:	:	12 460	1 003 467
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	95	93 025	1 346	447	:	47 493	:	:	5 122	147 527
2.1 Current transfers	95	93 025	1 346	447	:	47 493	:	:	5 122	147 527
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	688	532 187	56 586	65	:	208 815	:	:	12 435	810 776
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	95	93 025	1 346	447	:	47 493	:	:	5 122	147 527
2.1 Current transfers	95	93 025	1 346	447	:	47 493	:	:	5 122	147 527
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	688	662 485	63 283	12 442	:	252 110	:	:	12 460	1 003 467
4.2 Investment grants received	688	532 187	56 586	65	:	208 815	:	:	12 435	810 776
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

All revenue and "Investment grants received" data were from "Local Government". Only for "Investment grants given" were "Central & State Government" covered by the data.

Investment grants given by State and Regions.

Air & Climate: "Investment grants given" includes expenses for Noise and Protection against radiation.

Current transfers for wastewater includes water supply. Current transfers for Waste include waste treatment only.

Other environmental protection activities do not include Administration, training and information.

# Environmental Protection Expenditure by General Government

[1000 ECU]

**Italy**  
-1990

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	2 900	594 179	102 985	11 698	:	277 971	:	:	7 724	997 457
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	562	658 457	2 291 123	417	:	50 619	:	:	5 533	3 006 711
2.1 Current transfers	562	141 367	1 343	417	:	50 619	:	:	5 533	199 841
2.2 Fees and other	:	517 090	2 289 780	:	:	:	:	:	:	2 806 870
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	1 882	475 381	73 267	327	:	220 594	:	:	7 165	778 615
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	562	658 457	2 291 123	417	:	50 619	:	:	5 533	3 006 711
2.1 Current transfers	562	141 367	1 343	417	:	50 619	:	:	5 533	199 841
2.2 Fees and other	:	517 090	2 289 780	:	:	:	:	:	:	2 806 870
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	2 900	594 179	102 985	11 698	:	277 971	:	:	7 724	997 457
4.2 Investment grants received	1 882	475 381	73 267	327	:	220 594	:	:	7 165	778 615
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

All revenue and "Investment grants received" data were from "Local Government". Only for "Investment grants given" were "Central & State Government" covered by the data.

Investment grants given by State and Regions.

Air & Climate: "Investment grants given" includes expenses for Noise and Protection against radiation.

Current transfers for wastewater includes water supply. Current transfers for Waste include waste treatment only.

Other environmental protection activities do not include Administration, training and information.

Fees and other for Wastewater: Wastewater charge paying for various waste water related services.

Fees and other for Waste: Local tax for waste collection, transport and disposal accruing to Municipalities.

## Environmental Protection Expenditure by General Government

[1000 ECU]

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	3 215	836 438	97 223	12 965	:	305 239	:	:	62 839	1 317 920
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	293	430 974	2 692 517	588	:	54 335	:	:	1 149	3 179 856
2.1 Current transfers	293	138 130	2 136	588	:	54 335	:	:	1 149	196 630
2.2 Fees and other	:	292 844	2 690 381	:	:	:	:	:	:	2 983 225
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	1 543	646 885	86 363	73	:	250 568	:	:	36 287	1 021 718
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	293	430 974	2 692 517	588	:	54 335	:	:	1 149	3 179 856
2.1 Current transfers	293	138 130	2 136	588	:	54 335	:	:	1 149	196 630
2.2 Fees and other	:	292 844	2 690 381	:	:	:	:	:	:	2 983 225
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	3 215	836 438	97 223	12 965	:	305 239	:	:	62 839	1 317 920
4.2 Investment grants received	1 543	646 885	86 363	73	:	250 568	:	:	36 287	1 021 718
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

All revenue and "Investment grants received" data were from "Local Government". Only for "Investment grants given" were "Central & State Government" covered by the data.

Investment grants given by State and Regions.

Air & Climate: "Investment grants given" includes expenses for Noise and Protection against radiation.

Current transfers for wastewater includes water supply. Current transfers for Waste include waste treatment only.

Other environmental protection activities do not include Administration, training and information.

Fees and other for Wastewater: Wastewater charge paying for various waste water related services.

Fees and other for Waste: Local tax for waste collection, transport and disposal accruing to Municipalities.



# Environmental Protection Expenditure by General Government

[1000 ECU]

Italy  
-1992

## CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	1 860	7 475 046	75 917	4 457	:	303 954	:	:	32 309	7 893 543
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

## LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	709	736 323	3 034 706	277	:	50 844	:	:	875	3 823 734
2.1 Current transfers	709	131 504	1 213	277	:	50 844	:	:	875	185 422
2.2 Fees and other	:	604 818	3 033 494	:	:	:	:	:	:	3 638 312
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	859	597 486	65 022	412	:	252 367	:	:	30 005	946 149
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

## GENERAL GOVERNMENT

1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	709	736 323	3 034 706	277	:	50 844	:	:	875	3 823 734
2.1 Current transfers	709	131 504	1 213	277	:	50 844	:	:	875	185 422
2.2 Fees and other	:	604 818	3 033 494	:	:	:	:	:	:	3 638 312
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	1 860	7 475 046	75 917	4 457	:	303 954	:	:	32 309	7 893 543
4.2 Investment grants received	859	597 486	65 022	412	:	252 367	:	:	30 005	946 149
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

All revenue and "Investment grants received" data were from "Local Government". Only for "Investment grants given" were "Central & State Government" covered by the data.

Investment grants given by State and Regions.

Air & Climate: "Investment grants given" includes expenses for Noise and Protection against radiation.

Current transfers for wastewater includes water supply. Current transfers for Waste include waste treatment only.

Other environmental protection activities do not include Administration, training and information.

Fees and other for Wastewater: Wastewater charge paying for various waste water related services.

Fees and other for Waste: Local tax for waste collection, transport and disposal accruing to Municipalities.

## Environmental Protection Expenditure by General Government

[1000 ECU]

**Italy**  
-1993

### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	190	:	:	:	:	190
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	190	:	:	:	:	190
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	591 996	2 878 511	81 467	:	:	:	:	:	3 551 973
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	591 996	2 878 511	81 467	:	:	:	:	:	3 551 973
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	591 996	2 878 511	81 467	190	:	:	:	:	3 552 163
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	591 996	2 878 511	81 467	190	:	:	:	:	3 552 163
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Noise & Vibration: Tax on aircraft noise.

Fees and other with Wastewater: Waste water charge paying for various waste water related services.

Fees and other with Waste: Local tax for waste collection, transport and disposal accruing to Municipalities.

Fees and other with Soil & Groundwater: Environmental protection tax : additional local tax intended to finance Province activities in the domain of Waste disposal, regulation and control of effluents and emissions, Soil protection. N.B. Here assigned to Soil only.

# Environmental Protection Expenditure by General Government

[1000 ECU]

Italy  
-1994

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	2 193	:	:	:	:	2 193
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	2 193	:	:	:	:	2 193
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	569 173	2 830 199	93 992	:	:	:	:	:	3 493 363
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	569 173	2 830 199	93 992	:	:	:	:	:	3 493 363
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	569 173	2 830 199	93 992	2 193	:	:	:	:	3 495 556
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	569 173	2 830 199	93 992	2 193	:	:	:	:	3 495 556
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Noise & Vibration: Tax on aircraft noise.

Fees and other with Wastewater: Waste water charge paying for various waste water related services.

Fees and other with Waste: Local tax for waste collection, transport and disposal accruing to Municipalities.

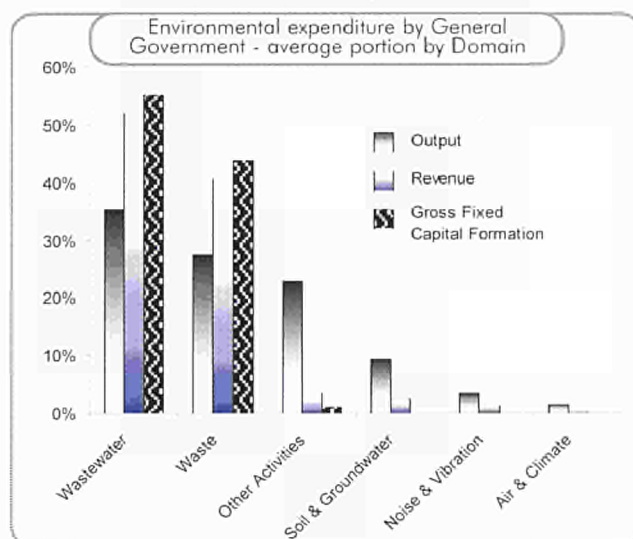
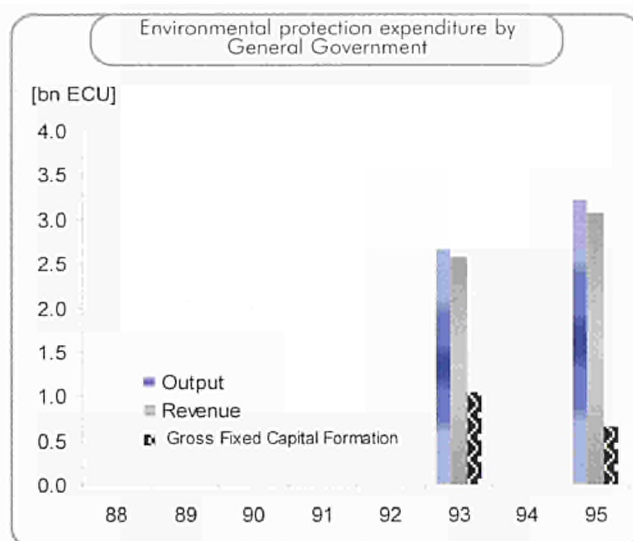
Fees and other with Soil & Groundwater: Environmental protection tax : additional local tax intended to finance Province activities in the domain of Waste disposal, regulation and control of effluents and emissions, Soil protection. N.B. Here assigned to Soil only.

## Environmental Protection Expenditure by General Government

### Netherlands

The Dutch output of environmental protection expenditure by General Government was 5% higher than the environmental protection revenue in 1995. The output grew 22% from 1993 to reach ECU 3.2 bn in 1995 and revenue grew 19% from 1993 to ECU 3.1 bn in 1995. By contrast, the Gross Fixed Capital Formation (GFCF) decreased 38% from 1993 to ECU 647 million.

"Wastewater" is the environmental domain that records the largest output (35%) followed by "Waste" (28%) and "Other activities" (23%). The majority of revenue and GFCF went to "Wastewater" (52% and 55%, respectively), followed by "Waste" (40% and 44%). Other environmental domains had relatively low output.



## Environmental Protection Expenditure by General Government

[1000 ECU]  
Please see footnote!

### Netherlands

-1993

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	37 238	96 083	47 352	186 189	76 774	:	:	:	379 274	822 909
1.1 Intermediate consumption	25 745	54 248	36 318	156 766	70 338	:	:	:	267 101	610 516
1.2 Compensation of employees	11 033	28 043	11 033	28 043	6 436	:	:	:	111 254	195 843
1.3 Consumption of fixed capital	460	13 792	0	1 379	0	:	:	:	919	16 550
2. Revenue from env. Protection activities	919	136 079	6 436	36 778	6 436	:	:	:	11 493	198 142
2.1 Current transfers	:	37 238	2 299	17 470	:	:	:	:	460	57 466
2.2 Fees and other	919	98 841	4 138	19 308	6 436	:	:	:	11 033	140 676
3. GROSS FIXED CAPITAL FORMATION	460	23 446	460	919	0	:	:	:	0	25 285
4.1 Investment grants given	47 352	88 727	11 033	30 802	18 849	:	:	:	4 138	200 900
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	4 138	216 991	919	17 010	27 124	:	:	:	42 754	308 936
5. Labour inputs in public env. Protection activities	240	610	240	610	140	:	:	:	2 420	4 260

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	4 597	852 791	700 622	73 096	22 986	:	:	:	165 042	1 819 135
1.1 Intermediate consumption	1 379	274 916	307 557	63 902	22 067	:	:	:	67 120	736 940
1.2 Compensation of employees	3 218	292 845	306 177	9 195	919	:	:	:	94 244	706 598
1.3 Consumption of fixed capital	0	285 030	86 888	0	0	:	:	:	3 678	375 596
2. Revenue from env. Protection activities	4 138	1 242 639	1 002 662	17 010	27 124	:	:	:	76 774	2 370 346
2.1 Current transfers	4 138	216 991	919	17 010	27 124	:	:	:	42 754	308 936
2.2 Fees and other	:	1 025 648	1 001 742	:	:	:	:	:	34 020	2 061 410
3. GROSS FIXED CAPITAL FORMATION	0	410 075	610 056	0	0	:	:	:	460	1 020 591
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	57 925	:	:	:	:	:	:	:	57 925
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	94 703	285 490	17 470	:	:	:	:	460	398 122
5. Labour inputs in public env. Protection activities	93	8 493	8 880	267	27	:	:	:	2 733	20 493

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	41 835	948 874	747 974	259 285	99 760	:	:	:	544 315	2 642 044
1.1 Intermediate consumption	27 124	329 164	343 875	220 668	92 405	:	:	:	334 221	1 347 456
1.2 Compensation of employees	14 251	320 889	317 211	37 238	7 356	:	:	:	205 497	902 442
1.3 Consumption of fixed capital	460	298 822	86 888	1 379	0	:	:	:	4 597	392 146
2. Revenue from env. Protection activities	5 057	1 378 717	1 009 098	53 788	33 560	:	:	:	88 267	2 568 488
2.1 Current transfers	4 138	254 228	3 218	34 479	27 124	:	:	:	43 214	366 401
2.2 Fees and other	919	1 124 489	1 005 880	19 308	6 436	:	:	:	45 053	2 202 086
3. GROSS FIXED CAPITAL FORMATION	460	433 521	610 516	919	0	:	:	:	460	1 045 876
4.1 Investment grants given	47 352	88 727	11 033	30 802	18 849	:	:	:	4 138	200 900
4.2 Investment grants received	:	57 925	:	:	:	:	:	:	:	57 925
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	4 138	311 694	286 409	34 479	27 124	:	:	:	43 214	707 058
5. Labour inputs in public env. Protection activities	333	9 103	9 120	877	167	:	:	:	5 153	24 753

## Environmental Protection Expenditure by General Government

[1000 ECU]  
Please see footnote!

Netherlands  
-1995

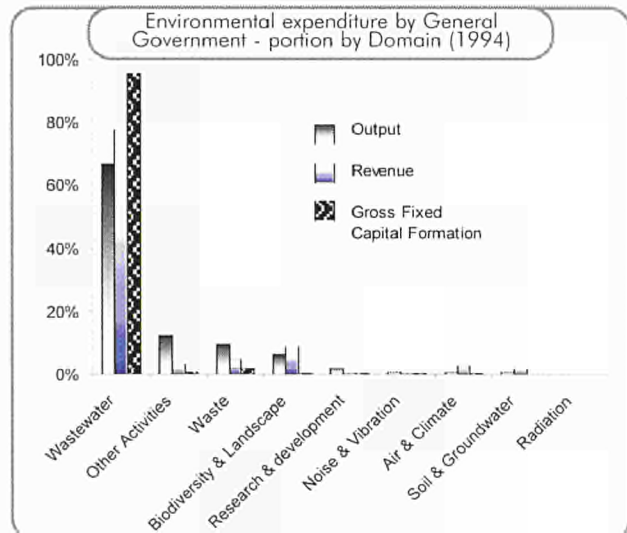
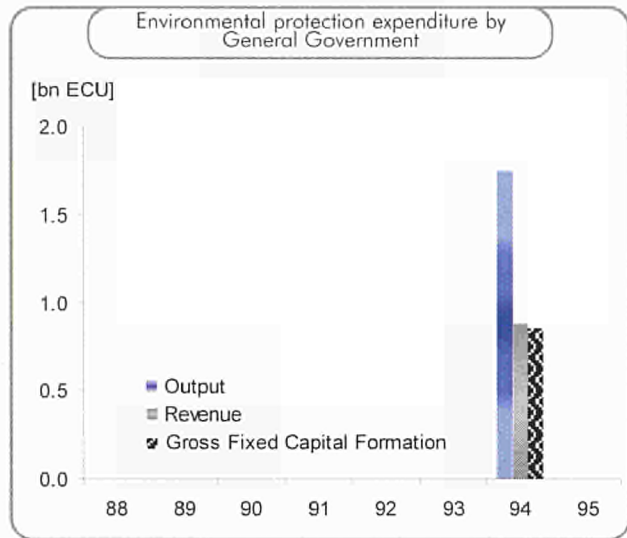
	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	39 068	120 539	48 597	192 957	77 183	:	:	:	525 034	1 003 378
1.1 Intermediate consumption	24 298	71 942	36 209	165 324	71 466	:	:	:	379 244	748 484
1.2 Compensation of employees	14 293	32 874	11 911	26 204	5 241	:	:	:	144 837	235 360
1.3 Consumption of fixed capital	476	15 722	476	1 429	476	:	:	:	953	19 534
2. Revenue from env. Protection activities	476	135 308	7 147	69 560	7 623	:	:	:	22 393	242 507
2.1 Current transfers	:	28 110	0	48 597	:	:	:	:	0	76 706
2.2 Fees and other	476	107 198	7 147	20 963	7 623	:	:	:	22 393	165 800
3. GROSS FIXED CAPITAL FORMATION	476	18 581	0	0	0	:	:	:	476	19 534
4.1 Investment grants given	54 790	119 586	12 864	31 921	18 105	:	:	:	7 623	244 889
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	4 764	191 052	476	11 911	31 445	:	:	:	52 885	292 533
5. Labour inputs in public env. Protection activities	300	690	250	555	110	:	:	:	3 040	4 945
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	4 764	997 184	817 567	92 905	29 539	:	:	:	270 140	2 212 101
1.1 Intermediate consumption	1 429	299 203	400 208	90 047	27 157	:	:	:	112 439	930 483
1.2 Compensation of employees	2 859	360 663	313 496	2 859	1 906	:	:	:	152 460	834 243
1.3 Consumption of fixed capital	476	337 318	103 863	0	476	:	:	:	5 241	447 375
2. Revenue from env. Protection activities	4 764	1 418 832	1 263 989	11 911	31 445	:	:	:	90 523	2 821 464
2.1 Current transfers	4 764	191 052	476	11 911	31 445	:	:	:	52 885	292 533
2.2 Fees and other	:	1 227 780	1 263 513	:	:	:	:	:	37 639	2 528 932
3. GROSS FIXED CAPITAL FORMATION	0	480 726	130 544	0	0	:	:	:	16 199	627 469
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	91 476	:	:	:	:	:	:	:	91 476
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	126 732	476 438	48 597	:	:	:	:	0	651 767
5. Labour inputs in public env. Protection activities	80	10 093	8 773	80	53	:	:	:	4 267	23 346
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	43 832	1 117 723	866 164	285 863	106 722	:	:	:	795 175	3 215 479
1.1 Intermediate consumption	25 728	371 145	436 417	255 371	98 623	:	:	:	491 684	1 678 967
1.2 Compensation of employees	17 152	393 538	325 407	29 063	7 147	:	:	:	297 297	1 069 603
1.3 Consumption of fixed capital	953	353 040	104 340	1 429	953	:	:	:	6 194	466 909
2. Revenue from env. Protection activities	5 241	1 554 140	1 271 136	81 471	39 068	:	:	:	112 916	3 063 971
2.1 Current transfers	4 764	219 161	476	60 508	31 445	:	:	:	52 885	369 239
2.2 Fees and other	476	1 334 979	1 270 660	20 963	7 623	:	:	:	60 031	2 694 732
3. GROSS FIXED CAPITAL FORMATION	476	499 307	130 544	0	0	:	:	:	16 675	647 002
4.1 Investment grants given	54 790	119 586	12 864	31 921	18 105	:	:	:	7 623	244 889
4.2 Investment grants received	:	91 476	:	:	:	:	:	:	:	91 476
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	4 764	317 784	476 914	60 508	31 445	:	:	:	52 885	944 300
5. Labour inputs in public env. Protection activities	380	10 783	9 023	635	163	:	:	:	7 307	28 291

## Environmental Protection Expenditure by General Government

### Austria

The environmental protection expenditure output by General Government from Austria in 1994 doubled the value of revenue or Gross Fixed Capital Formation (GFCF).

Of the ECU 1.7 bn of output, 67% went to "Wastewater", 12% went to "Other activities" and 10% to "Waste". For revenue, 78% went to "Wastewater" and 9% to "Biodiversity & landscape". Nearly all GFCF went to the "Wastewater" domain (96%).



## Environmental Protection Expenditure by General Government

[1000 ECU]  
Please see footnote!

### Austria

-1994

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
1. Output of public env. Protection activities	7 541	19 978	10 141	8 900	11 522	56 154	59	36 072	191 763	342 130
1.1 Intermediate consumption	2 327	13 353	5 259	4 697	6 174	25 104	44	15 687	79 921	152 567
1.2 Compensation of employees	3 301	5 820	3 050	3 907	4 262	30 222	:	16 263	105 129	171 955
1.3 Consumption of fixed capital	1 920	812	1 839	295	1 086	835	15	4 121	6 706	17 630
2. Revenue from env. Protection activities	81	5 502	15 909	13 715	1 802	24 491	:	318	3 892	65 711
2.1 Current transfers	:	990	:	12 925	1 802	6 330	:	30	:	22 076
2.2 Fees and other	81	4 513	15 909	790	:	18 162	:	288	3 892	43 635
3. GROSS FIXED CAPITAL FORMATION	1 920	812	1 839	295	1 093	835	15	4 136	6 714	17 659
4.1 Investment grants given	114 841	251 617	26 869	128 298	20 636	292 793	:	24 927	415 950	1 275 931
4.2 Investment grants received	9 011	12 009	:	56 759	11 426	12 297	:	:	:	101 502
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	71	145	76	112	214	756	:	299	2 420	4 093

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	384	1 144 384	159 495	502	3 671	6 980	44	:	7 954	1 323 414
1.1 Intermediate consumption	369	240 834	74 958	207	495	303	7	:	724	317 897
1.2 Compensation of employees	:	86 878	70 394	177	502	5 657	0	:	7 053	170 662
1.3 Consumption of fixed capital	15	816 664	14 144	118	2 674	1 019	37	:	177	834 847
2. Revenue from env. Protection activities	19 351	677 561	27 239	960	:	5 953	369	:	1 979	733 412
2.1 Current transfers	19 351	11 706	9 262	960	:	5 931	369	:	1 979	49 558
2.2 Fees and other	:	665 847	17 977	:	:	15	:	:	7	683 846
3. GROSS FIXED CAPITAL FORMATION	15	818 370	14 173	118	2 681	1 019	37	:	177	836 590
4.1 Investment grants given	4 173	175 301	185	0	162	103	:	7	1 957	181 889
4.2 Investment grants received	4 631	368 689	8 206	2 851	864	2 002	:	22	1 145	388 409
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	2 419	2 044	4	10	113	:	:	156	4 746

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	15 023	1 165 145	169 850	11 765	15 975	112 034	103	37 653	217 857	1 745 406
1.1 Intermediate consumption	6 241	254 587	80 313	6 086	7 061	49 854	52	16 478	89 715	510 384
1.2 Compensation of employees	6 706	93 075	73 547	5 222	5 140	59 352	:	17 017	120 890	380 949
1.3 Consumption of fixed capital	2 075	817 491	15 990	465	3 774	2 829	52	4 158	7 238	854 072
2. Revenue from env. Protection activities	26 190	683 802	43 347	16 928	2 555	76 982	369	1 817	26 943	878 933
2.1 Current transfers	26 109	13 449	9 461	16 138	2 555	58 805	369	1 529	19 232	147 648
2.2 Fees and other	81	670 360	33 886	790	:	18 176	:	288	7 718	731 299
3. GROSS FIXED CAPITAL FORMATION	2 083	819 204	16 020	465	3 782	2 829	52	4 166	7 253	855 852
4.1 Investment grants given	119 014	426 911	27 054	128 290	20 798	292 896	:	24 934	131 348	1 171 246
4.2 Investment grants received	13 641	380 698	8 206	59 610	12 297	14 306	:	22	1 145	489 926
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	169	2 575	2 122	148	235	1 540	:	321	2 825	9 935

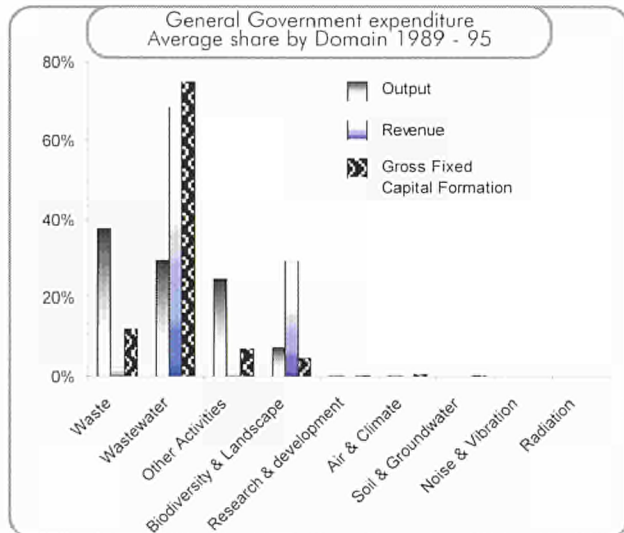
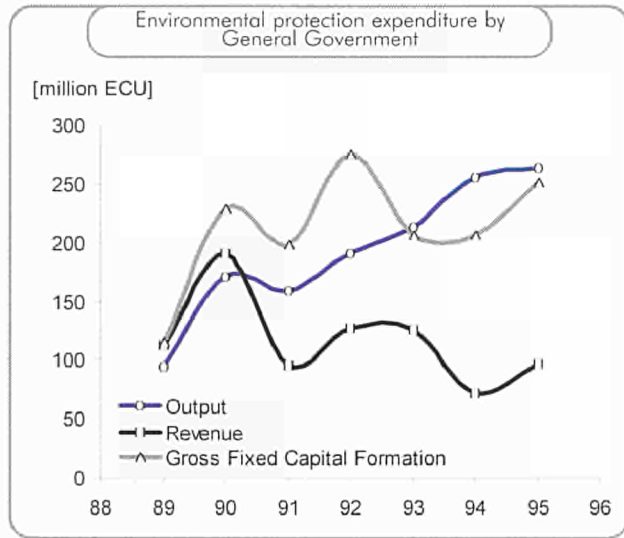


## Environmental Protection Expenditure by General Government

### Portugal

The environmental protection expenditure output by General Government in Portugal grew from ECU 94 million in 1989 to ECU 264 million in 1995. The trend for environmental protection revenue showed a decrease over that period, from ECU 113 million in 1989 to ECU 96 million in 1995. Gross Fixed Capital Formation (GFCF) rose from ECU 114 million in 1989 to top ECU 275 million in 1992. After a drop to ECU 206 million in 1993 and 1994, GFCF rose in 1995 to ECU 250 million.

The output was mainly distributed between three environmental domains. "Waste" accounted for 38% of the output, 30% to "Wastewater" and 25% to "Other activities". For revenue and GFCF the main share went to "Wastewater" (68% and 75% respectively). The second for revenue was "Biodiversity & Landscape" (29%) and the second for GFCF was "Waste" (12%).



## Environmental Protection Expenditure by General Government

[1000 ECU]

### Portugal

-1989

#### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	61	2 854	153	14	28	115	:	616	13 821	17 662
1.1 Intermediate consumption	56	2 443	153	14	28	106	:	546	1 961	5 308
1.2 Compensation of employees	5	411	:	:	:	9	:	71	11 860	12 355
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	3 325	:	:	:	17 137	:	:	:	20 462
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	134	10 150	20	35	21	841	:	292	521	12 014
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	317	:	:	:	1 633	:	:	:	1 950
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	3	:	:	:	:	0	:	:	16	19
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	5	23 508	9 322	:	:	271	:	:	43 503	76 609
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	5	23 508	9 322	:	:	271	:	:	43 503	76 609
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	92 136	:	:	:	:	:	:	:	92 136
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	47	73 475	17 021	212	:	829	:	:	10 857	102 441
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	8 780	:	:	:	:	:	:	:	8 780
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	66	26 362	9 475	14	28	386	:	616	57 324	94 271
1.1 Intermediate consumption	56	2 443	153	14	28	106	:	546	1 961	5 308
1.2 Compensation of employees	10	23 919	9 322	:	:	280	:	71	55 363	88 964
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	95 461	:	:	:	17 137	:	:	:	112 597
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	181	83 625	17 041	246	21	1 670	:	292	11 379	114 455
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	9 096	:	:	:	1 633	:	:	:	10 729
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	3	:	:	:	:	0	:	:	16	19
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Portugal

-1990

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
1. Output of public env. Protection activities	86	3 712	139	7	48	72	:	443	28 033	32 540
1.1 Intermediate consumption	80	3 342	139	7	48	72	:	443	2 829	6 959
1.2 Compensation of employees	6	370	:	:	:	0	:	0	25 205	25 580
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	3 687	:	:	:	25 850	:	:	:	29 536
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	178	35 060	1 003	66	82	162	:	436	422	37 409
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	536	:	:	:	3 761	:	:	:	4 297
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	10	:	:	:	:	2	:	:	4	15
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	59	98 235	12 889	:	:	2 560	:	:	24 358	138 101
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	59	98 235	12 889	:	:	2 560	:	:	24 358	138 101
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	160 168	:	:	:	:	:	:	:	160 168
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	66	158 617	18 706	321	:	433	:	:	13 256	191 400
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	23 300	:	:	:	:	:	:	:	23 300
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	144	101 946	13 028	7	48	2 633	:	443	52 391	170 640
1.1 Intermediate consumption	80	3 342	139	7	48	72	:	443	2 829	6 959
1.2 Compensation of employees	64	98 605	12 889	:	:	2 560	:	0	49 562	163 681
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	163 854	:	:	:	25 850	:	:	:	189 704
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	244	193 677	19 710	387	82	596	:	436	13 678	228 809
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	23 836	:	:	:	3 761	:	:	:	27 597
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	10	:	:	:	:	2	:	:	4	15
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

**Portugal**  
-1991

	<i>Air &amp; Climate</i>	<i>Waste- water</i>	<i>Waste</i>	<i>Soil &amp; Ground- water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'ment</i>	<i>Other Activities</i>	<i>Total</i>
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	65	2 927	198	32	76	592	:	483	22 340	26 714
1.1 Intermediate consumption	65	2 564	198	32	76	582	:	483	4 972	8 973
1.2 Compensation of employees	0	363	:	:	:	10	:	0	17 368	17 741
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	15 448	:	:	:	34 304	:	:	:	49 751
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	59	43 123	419	65	25	5 587	:	108	1 521	50 908
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	864	:	:	:	1 920	:	:	:	2 784
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	9	:	:	:	:	2	:	:	134	144
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	133	32 020	64 572	:	:	1 593	:	:	33 585	131 902
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	133	32 020	64 572	:	:	1 593	:	:	33 585	131 902
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	45 615	:	:	:	:	:	:	:	45 615
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	177	104 357	23 827	1 528	:	2 561	:	:	15 310	147 761
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	2 553	:	:	:	:	:	:	:	2 553
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	198	34 947	64 770	32	76	2 185	:	483	55 926	158 616
1.1 Intermediate consumption	65	2 564	198	32	76	582	:	483	4 972	8 973
1.2 Compensation of employees	133	32 383	64 572	:	:	1 603	:	0	50 953	149 643
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	61 063	:	:	:	34 304	:	:	:	95 367
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	237	147 480	24 246	1 593	25	8 148	:	108	16 831	198 669
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	3 417	:	:	:	1 920	:	:	:	5 337
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	9	:	:	:	:	2	:	:	134	144
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

## Environmental Protection Expenditure by General Government

[1000 ECU]

**Portugal**  
-1992

	<i>Air &amp; Climate</i>	<i>Waste- water</i>	<i>Waste</i>	<i>Soil &amp; Ground- water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	235	3 226	824	0	0	322	:	869	22 778	28 255
1.1 Intermediate consumption	235	2 786	824	0	0	285	:	869	2 779	7 778
1.2 Compensation of employees	0	440	:	:	:	37	:	0	19 999	20 476
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	30 015	:	:	:	45 114	:	:	:	75 129
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	512	61 843	620	0	0	869	:	683	3 141	67 668
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	2 789	:	:	:	4 191	:	:	:	6 979
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	5	:	:	:	:	72	:	:	229	306
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	53	49 756	63 030	:	:	3 333	:	:	45 406	161 578
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	53	49 756	63 030	:	:	3 333	:	:	45 406	161 578
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	52 214	:	:	:	:	:	:	:	52 214
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	120	144 963	27 910	1 482	:	7 526	:	:	25 498	207 499
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	4 848	:	:	:	:	:	:	:	4 848
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	288	52 981	63 855	0	0	3 656	:	869	68 183	189 833
1.1 Intermediate consumption	235	2 786	824	0	0	285	:	869	2 779	7 778
1.2 Compensation of employees	53	50 196	63 030	:	:	3 371	:	0	65 405	182 054
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	82 229	:	:	:	45 114	:	:	:	127 343
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	632	206 806	28 531	1 482	0	8 395	:	683	28 639	275 167
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	7 637	:	:	:	4 191	:	:	:	11 828
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	5	:	:	:	:	72	:	:	229	306
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Portugal

-1993

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
1. Output of public env. Protection activities	355	13 842	1 288	0	0	419	30	19	22 159	38 113
1.1 Intermediate consumption	355	10 011	1 288	0	0	364	30	19	3 415	15 482
1.2 Compensation of employees	0	3 832	:	:	:	55	:	0	18 743	22 630
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	20 473	:	:	:	47 475	:	:	:	67 948
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	100	62 239	222	0	0	802	33	1 736	3 288	68 420
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	1 168	:	:	:	2 710	:	:	:	3 879
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	22	:	:	:	:	0	:	:	263	285
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	1 050	42 654	107 991	1 084	61	9 938	:	:	12 513	175 291
1.1 Intermediate consumption	222	12 165	18 245	365	35	2 025	:	:	3 308	36 364
1.2 Compensation of employees	828	30 489	89 746	719	27	7 913	:	:	9 205	138 927
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	57 099	:	:	:	:	:	:	:	57 099
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	183	96 203	29 815	1 243	39	6 686	:	:	3 791	137 960
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	3 265	:	:	:	:	:	:	:	3 265
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	1 404	56 497	109 280	1 084	61	10 357	30	19	34 672	213 404
1.1 Intermediate consumption	577	22 176	19 533	365	35	2 389	30	19	6 723	51 846
1.2 Compensation of employees	828	34 321	89 746	719	27	7 968	:	0	27 949	161 558
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	77 572	:	:	:	47 475	:	:	:	125 047
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	283	158 442	30 037	1 243	39	7 488	33	1 736	7 079	206 381
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	4 434	:	:	:	2 710	:	:	:	7 144
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	22	:	:	:	:	0	:	:	263	285
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

### Portugal

-1994

#### CENTRAL & STATE GOVERNMENT

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
1. Output of public env. Protection activities	140	15 543	3 702	0	0	25 263	:	38	25 303	69 988
1.1 Intermediate consumption	140	12 558	3 632	0	0	18 415	:	38	4 976	39 760
1.2 Compensation of employees	0	2 984	70	:	:	6 848	:	0	20 326	30 229
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	5 686	:	:	:	35 315	:	:	1 512	42 513
2.1 Current transfers	:	:	:	:	:	:	:	:	1 512	1 512
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	3 725	59 016	1 075	16	17	9 412	:	158	9 476	82 895
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	2 652	:	:	:	5 276	:	:	325	8 253
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	961	:	:	:	:	0	:	:	525	1 486
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	51	45 500	114 869	883	42	15 049	:	48	8 647	185 088
1.1 Intermediate consumption	35	14 940	19 618	18	10	4 448	:	31	1 980	41 082
1.2 Compensation of employees	16	30 559	95 251	864	31	10 601	:	16	6 666	144 006
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	20 461	8 742	3	:	11	:	:	233	29 450
2.1 Current transfers	:	4 751	869	:	:	:	:	:	233	5 853
2.2 Fees and other	:	15 710	7 873	3	:	11	:	:	:	23 597
3. GROSS FIXED CAPITAL FORMATION	2	82 687	28 883	106	90	9 825	:	0	2 291	123 884
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	17 532	1 272	:	:	:	:	:	96	18 900
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	190	61 042	118 571	883	42	40 312	:	86	33 949	255 076
1.1 Intermediate consumption	174	27 499	23 251	18	10	22 863	:	70	6 956	80 841
1.2 Compensation of employees	16	33 544	95 320	864	31	17 449	:	16	26 993	174 235
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	26 147	8 742	3	:	35 325	:	:	1 745	71 962
2.1 Current transfers	:	4 751	869	:	:	:	:	:	1 745	7 365
2.2 Fees and other	:	15 710	7 873	3	:	11	:	:	:	23 597
3. GROSS FIXED CAPITAL FORMATION	3 726	141 703	29 957	122	108	19 238	:	158	11 767	206 779
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	20 183	1 272	:	:	5 276	:	:	422	27 153
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	961	:	:	:	:	0	:	:	525	1 486
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by General Government

[1000 ECU]

**Portugal**  
-1995

### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
1. Output of public env. Protection activities	149	16 217	2 381	0	0	20 266	:	54	24 707	63 773
1.1 Intermediate consumption	149	13 043	2 307	0	0	13 027	:	54	4 557	33 136
1.2 Compensation of employees	0	3 174	74	:	:	7 239	:	0	20 150	30 638
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	4 406	:	:	:	33 502	:	:	:	37 909
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	4 215	65 448	568	0	0	12 159	:	159	10 263	92 812
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	2 678	:	:	:	4 155	:	:	:	6 833
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	1 023	:	:	:	:	0	:	:	0	1 023
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### LOCAL GOVERNMENT

1. Output of public env. Protection activities	32	49 013	123 187	78	145	18 372	:	0	8 923	199 749
1.1 Intermediate consumption	3	18 842	23 509	15	4	4 785	:	0	1 590	48 748
1.2 Compensation of employees	29	30 170	99 678	63	141	13 587	:	0	7 333	151 001
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	49 627	8 544	33	:	11	:	:	280	58 496
2.1 Current transfers	:	3 490	546	17	:	:	:	:	280	4 333
2.2 Fees and other	:	46 137	8 490	16	:	11	:	:	:	54 653
3. GROSS FIXED CAPITAL FORMATION	0	110 904	27 358	3	45	14 100	:	0	5 223	157 633
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	20 819	1 623	:	:	:	:	:	198	22 640
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

### GENERAL GOVERNMENT

1. Output of public env. Protection activities	181	65 229	125 568	78	145	38 637	:	54	33 630	263 522
1.1 Intermediate consumption	152	31 885	25 816	15	4	17 811	:	54	6 147	81 884
1.2 Compensation of employees	29	33 344	99 752	63	141	20 826	:	0	27 483	181 638
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	54 034	8 544	33	:	33 513	:	:	280	96 404
2.1 Current transfers	:	3 490	546	17	:	:	:	:	280	4 333
2.2 Fees and other	:	46 137	8 490	16	:	11	:	:	:	54 653
3. GROSS FIXED CAPITAL FORMATION	4 215	176 352	27 926	3	45	26 259	:	159	15 487	250 445
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	23 497	1 623	:	:	4 155	:	:	198	29 473
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	1 023	:	:	:	:	0	:	:	0	1 023
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

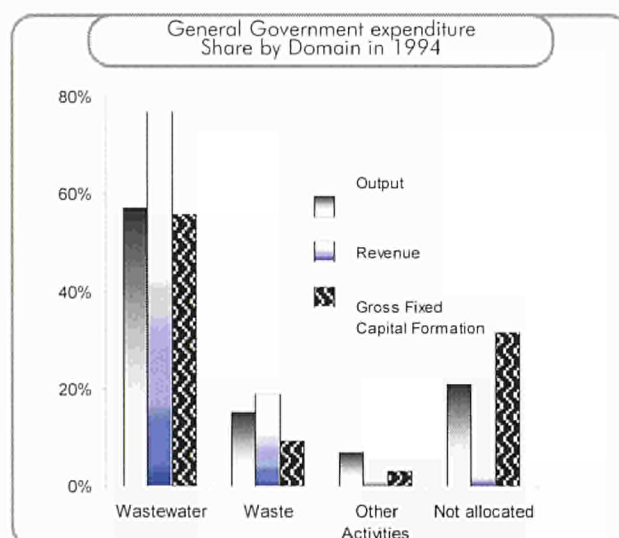
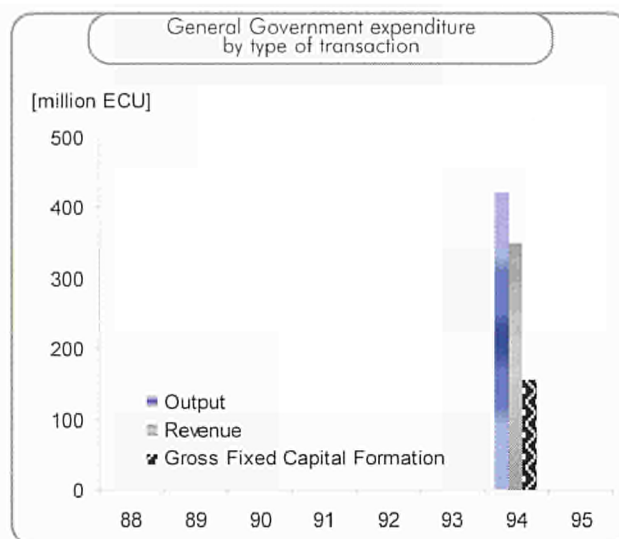


## Environmental Protection Expenditure by General Government

### Finland

The environmental protection expenditure output by General Government from Finland was much higher (ECU 420 million) than the Gross Fixed Capital Formation (GFCF, ECU 157 million). The environmental protection revenues were 17% smaller than output.

Two environmental domains were reported plus Other activities and for General Government some values were not allocated. The main share of output went to the "Wastewater" domain (57%). The "Waste" domain accounted for 15%. For the revenues 77% went to "Wastewater" and 19% to "Waste".



## Environmental Protection Expenditure by General Government

[1000 ECU]

### Finland

-1994

#### CENTRAL & STATE GOVERNMENT

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	88 357
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	9 853
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	49 751
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	40 706
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	28 591
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### LOCAL GOVERNMENT

1. Output of public env. Protection activities	:	239 550	63 482	:	:	:	:	:	28 752	331 784
1.1 Intermediate consumption	:	69 943	46 682	:	:	:	:	:	10 176	126 802
1.2 Compensation of employees	:	47 813	13 407	:	:	:	:	:	17 445	78 504
1.3 Consumption of fixed capital	:	121 794	3 554	:	:	:	:	:	1 131	126 317
2. Revenue from env. Protection activities	:	270 887	66 066	:	:	:	:	:	5 654	342 768
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	270 887	66 066	:	:	:	:	:	5 654	342 768
3. GROSS FIXED CAPITAL FORMATION	:	87 550	14 376	:	:	:	:	:	5 007	106 772
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	5 169	485	:	:	:	:	:	1 615	7 107
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	808	0	:	:	:	:	:	485	1 292
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

#### GENERAL GOVERNMENT

1. Output of public env. Protection activities	:	239 550	63 482	:	:	:	:	:	28 752	420 142
1.1 Intermediate consumption	:	69 943	46 682	:	:	:	:	:	10 176	126 802
1.2 Compensation of employees	:	47 813	13 407	:	:	:	:	:	17 445	78 504
1.3 Consumption of fixed capital	:	121 794	3 554	:	:	:	:	:	1 131	126 317
2. Revenue from env. Protection activities	:	269 595	66 066	:	:	:	:	:	5 007	350 683
2.1 Current transfers	:	:	:	:	:	:	:	:	:	0
2.2 Fees and other	:	269 595	66 066	:	:	:	:	:	5 007	340 830
3. GROSS FIXED CAPITAL FORMATION	:	87 550	14 376	:	:	:	:	:	5 007	156 523
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	33 598
4.2 Investment grants received	:	5 169	485	:	:	:	:	:	1 615	0
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	0
4.3 Other transfers given	:	808	0	:	:	:	:	:	485	29 883
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

Other environmental protection activities: Includes non-allocated figures.

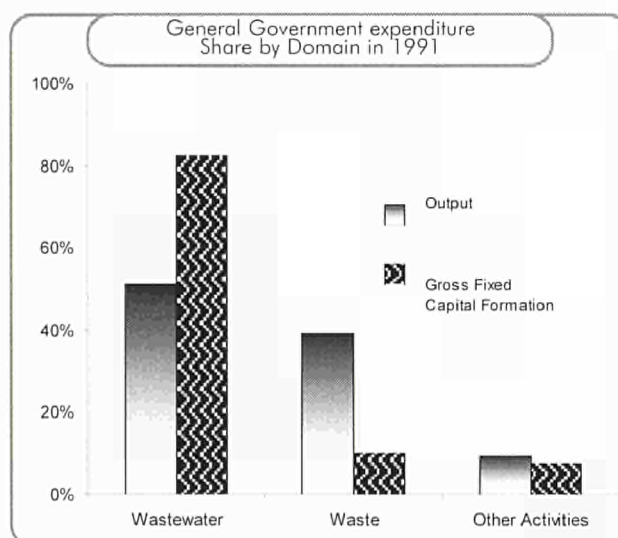
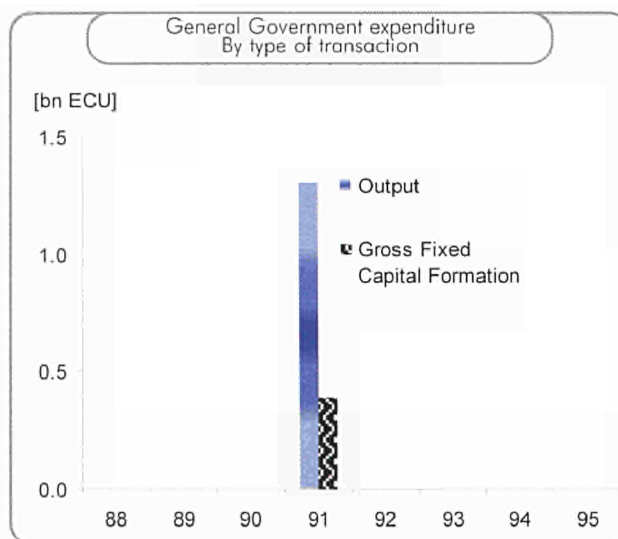
Central & State Government: Figures do not cover all environmental protection activities nor distinguish properly the economic transactions.

## Environmental Protection Expenditure by General Government

### Sweden

The Swedish environmental protection expenditure output by General Government was much greater than the Gross Fixed Capital Formation (GFCF).

Of the ECU 1.3 bn output 51% went to "Wastewater" and 39% went to "Waste". About 82% of the ECU 389 million GFCF went to "Wastewater" and 10% went to "Waste". The rest went to "Other activities".



## Environmental Protection Expenditure by General Government

[1000 ECU]

**Sweden**  
-1991

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'ment	Other Activities	Total
<b>CENTRAL &amp; STATE GOVERNMENT</b>										
1. Output of public env. Protection activities	:	:	:	:	:	:	:	:	:	:
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	:	:	:	:	:	:	:	:	:
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	:	:	:	:	:	:	:	:	:
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>LOCAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	667 846	509 274	:	:	:	:	:	123 140	1 300 261
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	266 069	:	:	:	:	:	:	:	266 069
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	320 352	39 576	:	:	:	:	:	28 746	388 674
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:
<b>GENERAL GOVERNMENT</b>										
1. Output of public env. Protection activities	:	667 846	509 274	:	:	:	:	:	123 140	1 300 261
1.1 Intermediate consumption	:	:	:	:	:	:	:	:	:	:
1.2 Compensation of employees	:	:	:	:	:	:	:	:	:	:
1.3 Consumption of fixed capital	:	266 069	:	:	:	:	:	:	:	266 069
2. Revenue from env. Protection activities	:	:	:	:	:	:	:	:	:	:
2.1 Current transfers	:	:	:	:	:	:	:	:	:	:
2.2 Fees and other	:	:	:	:	:	:	:	:	:	:
3. GROSS FIXED CAPITAL FORMATION	:	320 352	39 576	:	:	:	:	:	28 746	388 674
4.1 Investment grants given	:	:	:	:	:	:	:	:	:	:
4.2 Investment grants received	:	:	:	:	:	:	:	:	:	:
4.2.1 Of which from the European Union	:	:	:	:	:	:	:	:	:	:
4.3 Other transfers given	:	:	:	:	:	:	:	:	:	:
5. Labour inputs in public env. Protection activities	:	:	:	:	:	:	:	:	:	:

**E**nvironmental

**P**rotection

**E**xpenditure

Part  
**C**

Industry

## Environmental Protection Expenditure by Industry

### Germany

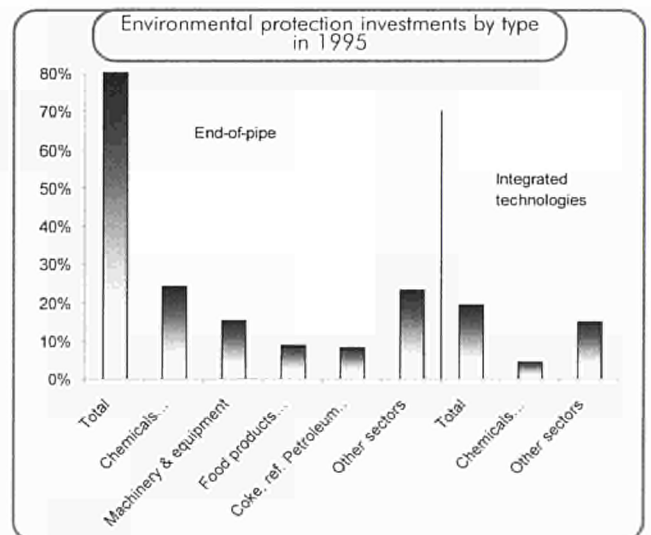
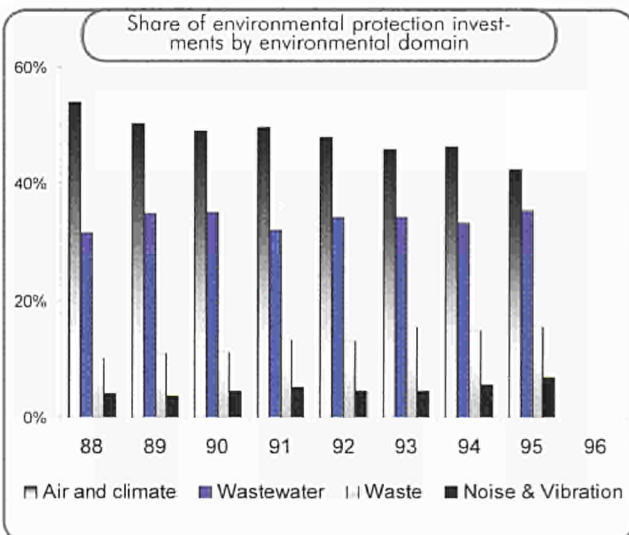
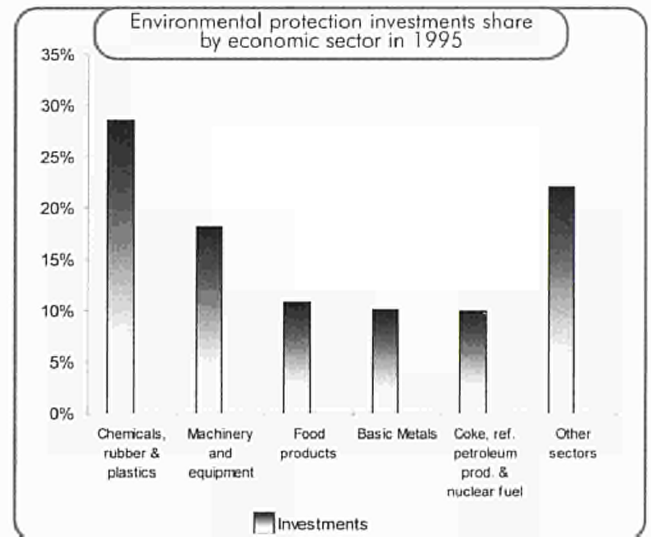
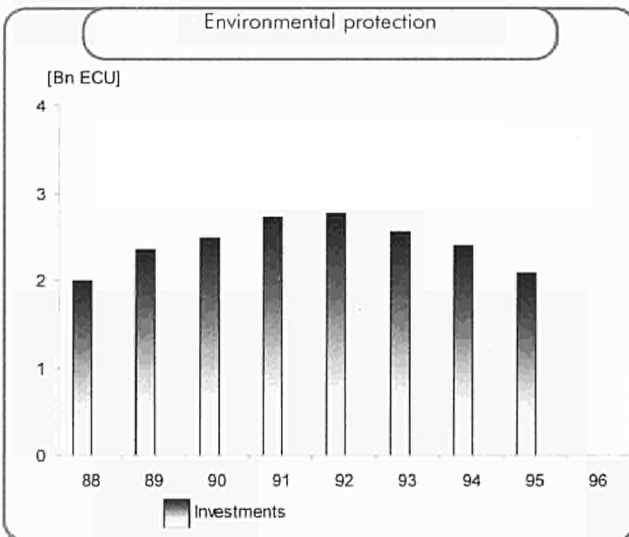
Germany's environmental protection expenditure by industry grew each year from ECU 2.0 bn in 1988 to ECU 2.8 bn in 1992. In the 1993 to 1995 period it fell each year. The investments in 1995 were at the same level as in 1988.

In 1995 a more detailed breakdown by sectors is provided. It shows that 29% of investments went to the "Chemicals, rubber & plastics" sector. The second was "Machinery & equipment" (18%) followed by "Food products" (16%).

During the 1988 to 1995 period the "Air and climate" domain stood for the majority of investments. From a share of 54% of investments in 1988 "Air and climate" decreased to 42% in 1995. The "Wastewater" domain increased its importance during the 1988 to 1995 period from 32% in 1988 to 35% in 1994.

From 1995 Germany reported the majority of invest-

ments in "end-of-pipe" (80%). About 24% of investments went to "end-of-pipe" in the "Chemicals, rubber & plastics" sector and 15% to "end-of-pipe" in "Machinery & equipment".



# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Germany

-1988

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	1 082 329	634 731	200 865	:	83 179	:	:	:	:	2 001 103
Mining and quarrying	1 082 329	634 731	200 865	:	83 179	:	:	:	:	2 001 103
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	718 627	541 621	186 911	:	59 365	:	:	:	:	1 506 524
Mining and quarrying	718 627	541 621	186 911	:	59 365	:	:	:	:	1 506 524
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	363 702	93 110	13 953	:	23 814	:	:	:	:	494 579
Mining and quarrying	363 702	93 110	13 953	:	23 814	:	:	:	:	494 579
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

## Environmental Protection Expenditure by Industry

[1000 ECU]

**Germany**  
-1989

	<i>Air &amp; Climate</i>	<i>Waste- water</i>	<i>Waste</i>	<i>Soil &amp; Ground- water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
<b>1. INVESTMENTS</b>	1 187 561	824 358	257 681	:	84 931	:	:	:	:	2 354 531
Mining and quarrying	1 187 561	824 358	257 681	:	84 931	:	:	:	:	2 354 531
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	808 481	736 070	229 743	:	57 142	:	:	:	:	1 831 436
Mining and quarrying	808 481	736 070	229 743	:	57 142	:	:	:	:	1 831 436
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	379 080	88 288	27 938	:	27 788	:	:	:	:	523 094
Mining and quarrying	379 080	88 288	27 938	:	27 788	:	:	:	:	523 094
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:



# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Germany

-1990

	<i>Air &amp; Climate</i>	<i>Waste- water</i>	<i>Waste</i>	<i>Soil &amp; Ground- water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
<b>1. INVESTMENTS</b>	1 224 439	876 157	279 931		113 048					2 493 575
Mining and quarrying	1 224 439	876 157	279 931		113 048					2 493 575
Food products; beverages & tobacco										
Textiles & leather products										
Wood and wood products										
Pulp, paper products; publishing & printing										
Coke, ref. petroleum prod. & nuclear fuel										
Chemicals, rubber & plastics										
Other non-metallic mineral products										
Basic metals										
Fabricated metal products										
Machinery and equipment										
Electricity, gas, steam & hot water supply										
Collection, purification & distrib. of water										
<b>1.1 End-of-pipe</b>	975 881	776 016	260 416		83 486					2 095 799
Mining and quarrying	975 881	776 016	260 416		83 486					2 095 799
Food products; beverages & tobacco										
Textiles & leather products										
Wood and wood products										
Pulp, paper products; publishing & printing										
Coke, ref. petroleum prod. & nuclear fuel										
Chemicals, rubber & plastics										
Other non-metallic mineral products										
Basic metals										
Fabricated metal products										
Machinery and equipment										
Electricity, gas, steam & hot water supply										
Collection, purification & distrib. of water										
<b>1.2 Integrated technologies</b>	248 558	100 141	19 515		29 562					397 776
Mining and quarrying	248 558	100 141	19 515		29 562					397 776
Food products; beverages & tobacco										
Textiles & leather products										
Wood and wood products										
Pulp, paper products; publishing & printing										
Coke, ref. petroleum prod. & nuclear fuel										
Chemicals, rubber & plastics										
Other non-metallic mineral products										
Basic metals										
Fabricated metal products										
Machinery and equipment										
Electricity, gas, steam & hot water supply										
Collection, purification & distrib. of water										
<b>2. CURRENT EXPENDITURE</b>										
Mining and quarrying										
Food products; beverages & tobacco										
Textiles & leather products										
Wood and wood products										
Pulp, paper products; publishing & printing										
Coke, ref. petroleum prod. & nuclear fuel										
Chemicals, rubber & plastics										
Other non-metallic mineral products										
Basic metals										
Fabricated metal products										
Machinery and equipment										
Electricity, gas, steam & hot water supply										
Collection, purification & distrib. of water										
<b>2.1 Internal current expenditure</b>										
Mining and quarrying										
Food products; beverages & tobacco										
Textiles & leather products										
Wood and wood products										
Pulp, paper products; publishing & printing										
Coke, ref. petroleum prod. & nuclear fuel										
Chemicals, rubber & plastics										
Other non-metallic mineral products										
Basic metals										
Fabricated metal products										
Machinery and equipment										
Electricity, gas, steam & hot water supply										
Collection, purification & distrib. of water										

# Environmental Protection Expenditure by Industry

[1000 ECU]

## Germany

-1991

	<i>Air &amp; Climate</i>	<i>Waste- water</i>	<i>Waste</i>	<i>Soil &amp; Ground- water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'ment</i>	<i>Other Activities</i>	<i>Total</i>
<b>1. INVESTMENTS</b>	1 351 550	873 495	360 052	:	138 159	:	:	:	:	2 723 256
Mining and quarrying	1 351 550	873 495	360 052	:	138 159	:	:	:	:	2 723 256
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	1 021 498	708 609	317 206	:	79 112	:	:	:	:	2 126 425
Mining and quarrying	1 021 498	708 609	317 206	:	79 112	:	:	:	:	2 126 425
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	330 052	164 886	42 846	:	59 047	:	:	:	:	596 831
Mining and quarrying	330 052	164 886	42 846	:	59 047	:	:	:	:	596 831
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Germany

-1992

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	1 329 234	948 926	362 627	:	126 885	:	:	:	:	2 767 672
Mining and quarrying	1 329 234	948 926	362 627	:	126 885	:	:	:	:	2 767 672
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	987 733	811 548	317 590	:	79 641	:	:	:	:	2 196 511
Mining and quarrying	987 733	811 548	317 590	:	79 641	:	:	:	:	2 196 511
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	341 502	137 378	45 037	:	47 244	:	:	:	:	571 161
Mining and quarrying	341 502	137 378	45 037	:	47 244	:	:	:	:	571 161
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Germany

-1993

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
<b>1. INVESTMENTS</b>	1 171 564	879 831	394 750	:	112 739	:	:	:	:	2 558 883
Mining and quarrying	1 171 564	879 831	394 750	:	112 739	:	:	:	:	2 558 883
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	899 246	738 779	354 210	:	71 603	:	:	:	:	2 063 838
Mining and quarrying	899 246	738 779	354 210	:	71 603	:	:	:	:	2 063 838
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	272 318	141 052	40 540	:	41 136	:	:	:	:	495 045
Mining and quarrying	272 318	141 052	40 540	:	41 136	:	:	:	:	495 045
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

# Environmental Protection Expenditure by Industry

[1000 ECU]

## Germany

-1994

	<i>Air &amp; Climate</i>	<i>Waste- water</i>	<i>Waste</i>	<i>Soil &amp; Ground- water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev'tment</i>	<i>Other Activities</i>	<i>Total</i>
<b>1. INVESTMENTS</b>	1 115 677	798 461	357 362	:	133 739	:	:	:	:	2 405 239
Mining and quarrying	1 115 677	798 461	357 362	:	133 739	:	:	:	:	2 405 239
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	770 078	671 397	308 448	:	68 959	:	:	:	:	1 818 883
Mining and quarrying	770 078	671 397	308 448	:	68 959	:	:	:	:	1 818 883
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	345 598	127 064	48 914	:	64 780	:	:	:	:	586 357
Mining and quarrying	345 598	127 064	48 914	:	64 780	:	:	:	:	586 357
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts. Mining and quarrying also contain Manufacturing. The division Electricity, gas, steam and hot water supply also contains Collection, purification and distribution of water.

# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Germany

-1995

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	886 787	737 216	322 669	:	144 116	:	:	:	:	2 090 788
Mining and quarrying	35 712	22 019	7 272	:	9 051	:	:	:	:	74 054
Food products; beverages & tobacco	63 576	124 329	24 658	:	14 163	:	:	:	:	226 725
Textiles & leather products	7 739	13 456	4 439	:	1 681	:	:	:	:	27 314
Wood and wood products	26 881	9 711	13 855	:	3 334	:	:	:	:	53 781
Pulp, paper products; publishing & printing	22 438	46 156	25 968	:	3 893	:	:	:	:	98 455
Coke, ref. petroleum prod. & nuclear fuel	86 187	103 918	14 555	:	3 744	:	:	:	:	208 403
Chemicals, rubber & plastics	269 443	189 977	125 689	:	14 475	:	:	:	:	599 584
Other non-metallic mineral products	87 115	21 525	16 312	:	16 611	:	:	:	:	141 563
Basic metals	117 761	59 481	14 358	:	19 070	:	:	:	:	210 670
Fabricated metal products	25 926	25 752	7 976	:	7 935	:	:	:	:	67 589
Machinery and equipment	144 010	120 892	67 589	:	50 159	:	:	:	:	382 650
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	689 578	610 577	277 660	:	103 481	:	:	:	:	1 681 297
Mining and quarrying	29 982	14 433	6 003	:	5 496	:	:	:	:	55 915
Food products; beverages & tobacco	52 168	106 075	19 407	:	7 975	:	:	:	:	185 625
Textiles & leather products	6 239	10 993	3 993	:	727	:	:	:	:	21 952
Wood and wood products	20 651	9 438	13 227	:	2 028	:	:	:	:	45 344
Pulp, paper products; publishing & printing	17 820	35 566	24 625	:	3 444	:	:	:	:	81 455
Coke, ref. petroleum prod. & nuclear fuel	68 317	93 534	11 403	:	2 846	:	:	:	:	176 100
Chemicals, rubber & plastics	213 820	167 346	115 017	:	10 001	:	:	:	:	506 185
Other non-metallic mineral products	67 342	17 511	13 906	:	10 978	:	:	:	:	109 738
Basic metals	72 182	31 684	6 301	:	12 335	:	:	:	:	122 501
Fabricated metal products	20 979	20 706	5 117	:	6 556	:	:	:	:	53 358
Machinery and equipment	120 078	103 291	58 662	:	41 095	:	:	:	:	323 125
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	197 208	126 638	45 009	:	40 636	:	:	:	:	409 491
Mining and quarrying	5 730	7 586	1 268	:	3 554	:	:	:	:	18 139
Food products; beverages & tobacco	11 408	18 254	5 252	:	6 187	:	:	:	:	41 100
Textiles & leather products	1 500	2 462	446	:	954	:	:	:	:	5 363
Wood and wood products	6 230	273	628	:	1 306	:	:	:	:	8 438
Pulp, paper products; publishing & printing	4 617	10 590	1 343	:	450	:	:	:	:	17 001
Coke, ref. petroleum prod. & nuclear fuel	17 870	10 384	3 151	:	898	:	:	:	:	32 303
Chemicals, rubber & plastics	55 623	22 631	10 672	:	4 474	:	:	:	:	93 399
Other non-metallic mineral products	19 772	4 013	2 406	:	5 634	:	:	:	:	31 825
Basic metals	45 579	27 797	8 057	:	6 736	:	:	:	:	88 169
Fabricated metal products	4 947	5 046	2 859	:	1 379	:	:	:	:	14 231
Machinery and equipment	23 931	17 602	8 927	:	9 065	:	:	:	:	59 524
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts. Other activities are not allocated (that is: include all other environmental domains).

## Environmental Protection Expenditure by Industry

### Spain

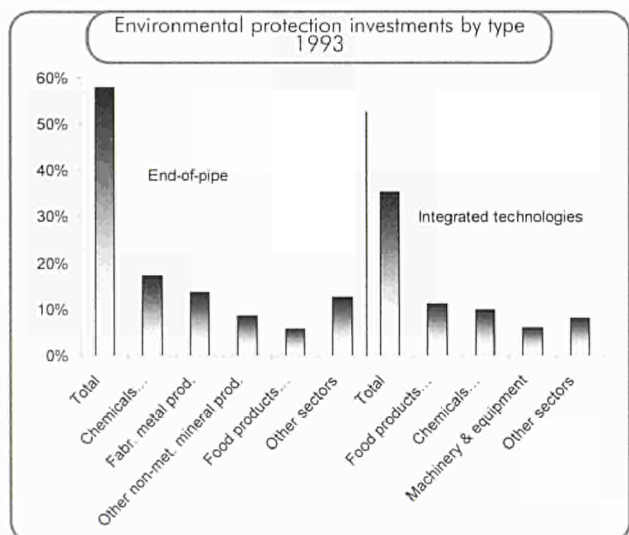
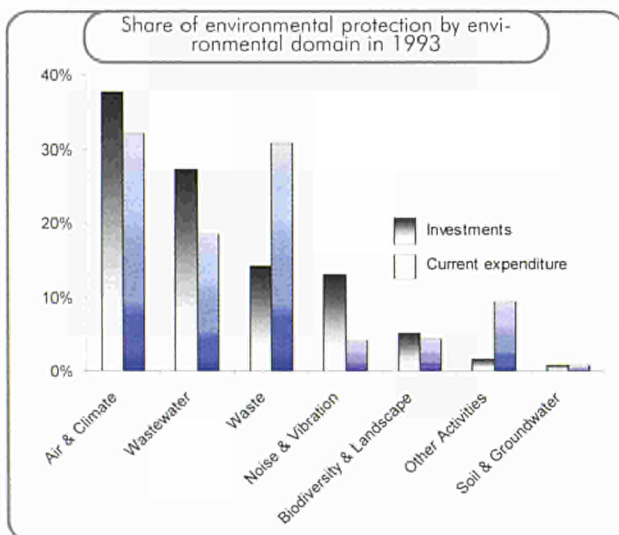
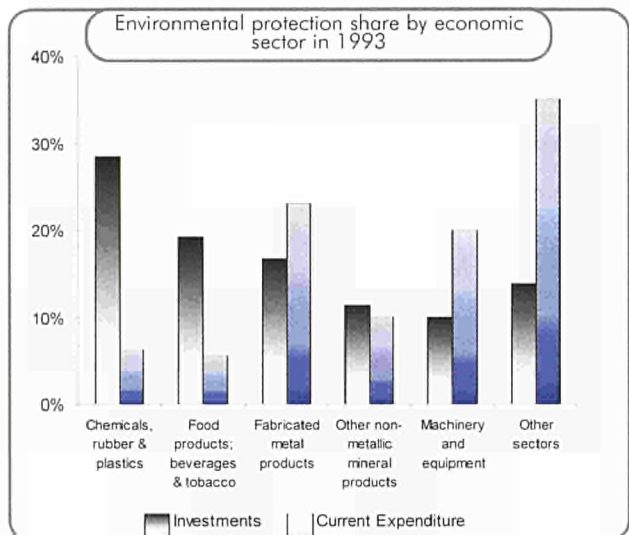
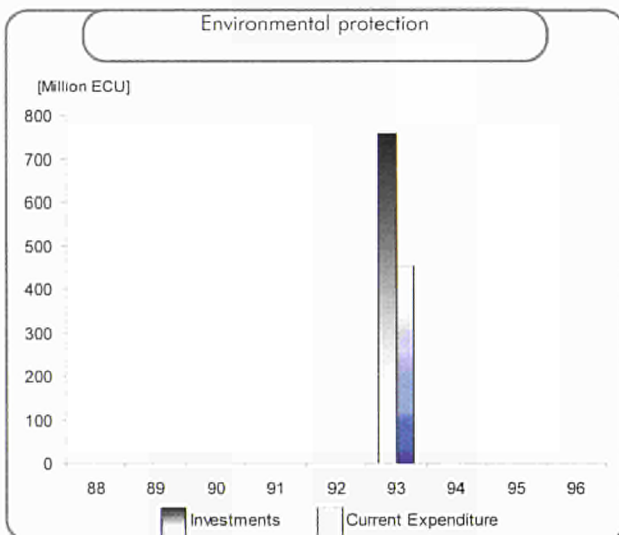
In 1993, Spain recorded environmental protection investments by industry to ECU 757 million, which was 67% higher than environmental protection current expenditure.

The three largest shares of investments went to "Chemicals, rubber & plastics" (28%), "Food products; beverages & tobacco" (19) and "Fabricated metal products". The two biggest shares for current expenditure went to "Fabricated metal products" (23%) and "Machinery and equipment" (20%).

The four largest environmental domains for investments were "Air & climate" (38%), "Wastewater" (27%), "Waste" (14%) and "Noise & vibration" (13%). The two main domains for current expenditure were "Air & climate" (32%) and "Waste" (31%).

A majority (58%) of the investments were of the type "end-of-pipe". About 17% of investments went to end-

of-pipe in "Chemicals, rubber & plastics" and 14% to end-of-pipe in "Fabricated metal products". For integrated technologies 11% of total investments went to the "Food products; beverages & tobacco" sector and 10% to "Chemicals, rubber & plastics".



# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Spain

-1993

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
<b>1. INVESTMENTS</b>	285 688	206 697	108 114	6 251	98 572	39 146	:	:	12 622	757 089
Mining and quarrying	387	217	1	1 978	193	229	:	:	5	3 009
Food products; beverages & tobacco	32 255	0	21 148	0	75 105	16 161	:	:	758	145 427
Textiles & leather products	1 136	6 887	3 794	22	58	15	:	:	0	11 911
Wood and wood products	3 863	0	3 125	232	701	0	:	:	0	7 920
Pulp, paper products; publishing & printing	3 447	20 117	2 193	0	2 052	35	:	:	0	27 845
Coke, ref. petroleum prod. & nuclear fuel	851	141	0	0	0	0	:	:	0	991
Chemicals, rubber & plastics	78 056	76 446	45 264	2 642	4 030	946	:	:	8 382	215 767
Other non-metallic mineral products	64 577	7 026	4 982	241	2 692	5 821	:	:	1 234	86 573
Basic metals	3 346	2 646	5 289	31	1 672	115	:	:	0	13 099
Fabricated metal products	52 238	61 224	1 537	285	5 162	6 699	:	:	71	127 216
Machinery and equipment	37 881	15 195	11 299	820	6 371	3 279	:	:	1 891	76 737
Electricity, gas, steam & hot water supply	7 651	4 339	7 236	0	528	2 220	:	:	281	22 255
Collection, purification & distrib. of water	0	12 458	2 246	0	7	3 628	:	:	0	18 340
<b>1.1 End-of-pipe</b>	133 182	170 508	89 570	4 128	41 064	:	:	:	:	438 453
Mining and quarrying	336	216	0	1 978	193	:	:	:	:	2 723
Food products; beverages & tobacco	0	0	20 922	0	23 068	:	:	:	:	43 990
Textiles & leather products	668	5 110	3 500	22	58	:	:	:	:	9 358
Wood and wood products	2 588	0	1 898	232	294	:	:	:	:	5 012
Pulp, paper products; publishing & printing	825	7 511	2 173	0	1 972	:	:	:	:	12 480
Coke, ref. petroleum prod. & nuclear fuel	26	125	0	0	0	:	:	:	:	151
Chemicals, rubber & plastics	29 707	59 347	37 351	738	3 125	:	:	:	:	130 267
Other non-metallic mineral products	50 025	6 974	4 681	241	2 615	:	:	:	:	64 537
Basic metals	1 596	2 488	5 284	31	1 475	:	:	:	:	10 875
Fabricated metal products	38 626	59 078	1 033	285	4 835	:	:	:	:	103 856
Machinery and equipment	4 218	13 680	4 754	602	3 031	:	:	:	:	26 286
Electricity, gas, steam & hot water supply	4 567	3 641	5 727	0	391	:	:	:	:	14 325
Collection, purification & distrib. of water	0	12 339	2 246	0	7	:	:	:	:	14 593
<b>1.2 Integrated technologies</b>	152 505	36 188	18 544	2 123	57 507	:	:	:	:	266 868
Mining and quarrying	50	1	1	0	0	:	:	:	:	52
Food products; beverages & tobacco	32 255	0	226	0	52 037	:	:	:	:	84 518
Textiles & leather products	468	1 777	293	0	0	:	:	:	:	2 538
Wood and wood products	1 274	0	1 227	0	407	:	:	:	:	2 908
Pulp, paper products; publishing & printing	2 622	12 607	21	0	81	:	:	:	:	15 330
Coke, ref. petroleum prod. & nuclear fuel	825	15	0	0	0	:	:	:	:	840
Chemicals, rubber & plastics	48 349	17 100	7 913	1 904	905	:	:	:	:	76 172
Other non-metallic mineral products	14 552	52	301	0	77	:	:	:	:	14 981
Basic metals	1 750	158	5	0	197	:	:	:	:	2 110
Fabricated metal products	13 613	2 146	504	0	327	:	:	:	:	16 590
Machinery and equipment	33 663	1 516	6 545	218	3 340	:	:	:	:	45 281
Electricity, gas, steam & hot water supply	3 085	697	1 509	0	138	:	:	:	:	5 429
Collection, purification & distrib. of water	0	119	0	0	0	:	:	:	:	119
<b>2. CURRENT EXPENDITURE</b>	144 846	83 823	139 481	3 749	18 374	19 447	:	:	42 984	452 704
Mining and quarrying	865	2 327	1 026	165	3	2 971	:	:	63	7 420
Food products; beverages & tobacco	7 846	0	0	1 288	3 199	2 642	:	:	10 260	25 234
Textiles & leather products	2 200	16 161	5 284	458	239	569	:	:	81	24 992
Wood and wood products	151	49	744	0	7	388	:	:	0	1 340
Pulp, paper products; publishing & printing	2 568	21 727	4 017	85	19	22	:	:	0	28 438
Coke, ref. petroleum prod. & nuclear fuel	134	141	0	4	0	0	:	:	4	283
Chemicals, rubber & plastics	16 832	0	0	252	992	2 240	:	:	7 779	28 095
Other non-metallic mineral products	0	13 881	19 648	1 120	1 636	6 062	:	:	3 487	45 834
Basic metals	27 226	0	442	6	33	466	:	:	450	28 623
Fabricated metal products	50 495	10 260	42 515	0	534	73	:	:	385	104 261
Machinery and equipment	20 520	19 380	44 124	366	1 542	1 133	:	:	3 306	90 372
Electricity, gas, steam & hot water supply	16 094	0	11 132	0	16	2 314	:	:	16 765	46 320
Collection, purification & distrib. of water	0	0	10 662	0	10 126	590	:	:	432	21 810
<b>2.1 Internal current expenditure</b>	120 034	46 136	76 446	1 448	13 948	12 808	:	:	24 812	295 633
Mining and quarrying	684	655	966	151	3	2 776	:	:	45	5 280
Food products; beverages & tobacco	4 607	0	0	52	1 603	2 340	:	:	9 858	18 460
Textiles & leather products	1 784	5 465	1 891	344	229	566	:	:	21	10 301
Wood and wood products	139	28	0	0	7	388	:	:	0	562
Pulp, paper products; publishing & printing	1 100	6 773	1 898	0	13	22	:	:	0	9 806
Coke, ref. petroleum prod. & nuclear fuel	82	81	13	3	0	0	:	:	0	178
Chemicals, rubber & plastics	13 747	0	35 876	68	932	618	:	:	5 908	57 148
Other non-metallic mineral products	28 768	10 461	3 192	529	1 281	3 024	:	:	2 099	49 354
Basic metals	26 689	5 552	4 821	0	19	455	:	:	277	37 814
Fabricated metal products	34 937	5 244	4 808	0	445	64	:	:	183	45 681
Machinery and equipment	2 796	11 869	5 465	303	1 462	684	:	:	2 635	25 215
Electricity, gas, steam & hot water supply	4 654	0	7 175	0	16	1 247	:	:	3 594	16 687
Collection, purification & distrib. of water	0	0	10 528	0	7 980	590	:	:	199	19 297

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.



# Environmental Protection Expenditure

## by Industry

[1000 ECU]

**Spain**

-1993

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Developm.</i>	<i>Other Activities</i>	<i>Total</i>
<b>2.2 External current expenditure</b>	69 070	44 258	196 481	1 120	3 407	5 311	:	:	31 786	351 432
Mining and quarrying	179	1 663	63	14	0	182	:	:	4	2 106
Food products; beverages & tobacco	1 013	0	50 495	0	1 596	0	:	:	52	53 155
Textiles & leather products	58	10 394	3 192	0	10	0	:	:	48	13 702
Wood and wood products	3	19	744	0	0	0	:	:	0	767
Pulp, paper products; publishing & printing	201	14 954	1 911	85	6	0	:	:	0	17 157
Coke, ref. petroleum prod. & nuclear fuel	2	5	27	1	0	0	:	:	0	34
Chemicals, rubber & plastics	627	0	38 559	362	59	1 623	:	:	16 899	58 128
Other non-metallic mineral products	50 562	3 400	16 228	589	174	3 038	:	:	1 395	75 386
Basic metals	233	1 784	6 612	5	8	11	:	:	0	8 653
Fabricated metal products	15 356	4 567	37 620	0	0	9	:	:	200	57 753
Machinery and equipment	369	7 511	37 217	63	78	448	:	:	648	46 335
Electricity, gas, steam & hot water supply	387	0	3 728	0	0	0	:	:	12 540	16 655
Collection, purification & distrib. of water	0	0	0	0	1 482	0	:	:	0	1 482
<b>3. OPERATIONAL BENEFITS</b>	28 299	41 844	5 546	36	0	427	:	:	136	76 288
Mining and quarrying	101	0	1	0	0	427	:	:	29	558
Food products; beverages & tobacco	4 607	12 607	1 797	0	0	0	:	:	0	19 011
Textiles & leather products	0	1 569	7	0	0	0	:	:	0	1 576
Wood and wood products	17	0	0	0	0	0	:	:	0	17
Pulp, paper products; publishing & printing	118	1 925	19	0	0	0	:	:	0	2 062
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	0	0	0	:	:	0	0
Chemicals, rubber & plastics	15 490	24 610	602	36	0	0	:	:	6	40 744
Other non-metallic mineral products	571	514	0	0	0	0	:	:	0	1 085
Basic metals	467	140	442	0	0	0	:	:	0	1 049
Fabricated metal products	5 324	21	4	0	0	0	:	:	0	5 350
Machinery and equipment	677	501	491	0	0	0	:	:	86	1 756
Electricity, gas, steam & hot water supply	959	0	525	0	0	0	:	:	15	1 499
Collection, purification & distrib. of water	0	0	1 656	0	0	0	:	:	0	1 657
<b>3.1 Sales of related goods &amp; services</b>	41	:	7	0	0	409	:	:	0	456
Mining and quarrying	0	0	0	0	0	409	:	:	0	409
Food products; beverages & tobacco	0	0	0	0	0	0	:	:	0	0
Textiles & leather products	0	0	7	0	0	0	:	:	0	7
Wood and wood products	0	0	0	0	0	0	:	:	0	0
Pulp, paper products; publishing & printing	0	376	0	0	0	0	:	:	0	376
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	0	0	0	:	:	0	0
Chemicals, rubber & plastics	0	11 534	0	0	0	0	:	:	0	11 534
Other non-metallic mineral products	0	0	0	0	0	0	:	:	0	0
Basic metals	0	:	0	0	0	0	:	:	0	0
Fabricated metal products	0	0	0	0	0	0	:	:	0	0
Machinery and equipment	0	0	0	0	0	0	:	:	0	0
Electricity, gas, steam & hot water supply	41	0	0	0	0	0	:	:	0	41
Collection, purification & distrib. of water	0	0	0	0	0	0	:	:	0	0
<b>3.2 Saving/Costs offsets</b>	28 299	29 908	5 539	:	0	19	:	:	136	63 901
Mining and quarrying	101	0	1	0	0	19	:	:	29	150
Food products; beverages & tobacco	4 607	12 607	1 797	:	0	0	:	:	0	19 011
Textiles & leather products	0	1 569	0	0	0	0	:	:	0	1 569
Wood and wood products	17	0	0	0	0	0	:	:	0	17
Pulp, paper products; publishing & printing	118	1 549	19	0	0	0	:	:	0	1 686
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	0	0	0	:	:	0	0
Chemicals, rubber & plastics	15 490	13 076	602	36	0	0	:	:	6	29 210
Other non-metallic mineral products	571	514	0	0	0	0	:	:	0	1 085
Basic metals	467	140	442	0	0	0	:	:	0	1 049
Fabricated metal products	5 324	21	4	0	0	0	:	:	0	5 350
Machinery and equipment	677	501	491	0	0	0	:	:	86	1 756
Electricity, gas, steam & hot water supply	919	0	525	0	0	0	:	:	15	1 459
Collection, purification & distrib. of water	0	0	1 656	0	0	0	:	:	0	1 657
<b>4. LABOUR INPUTS</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

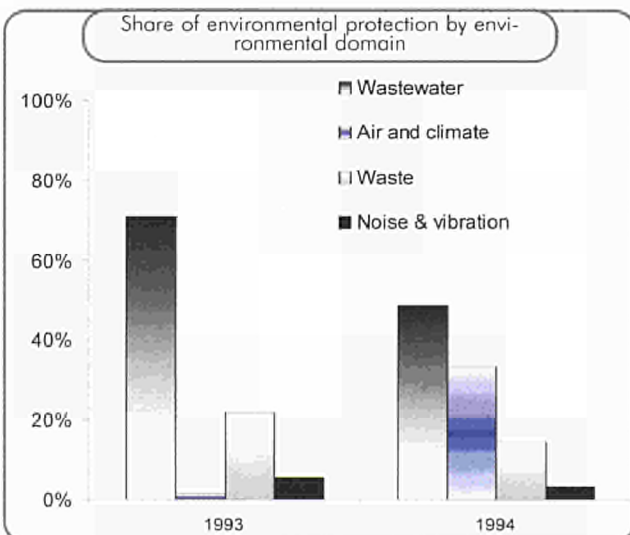
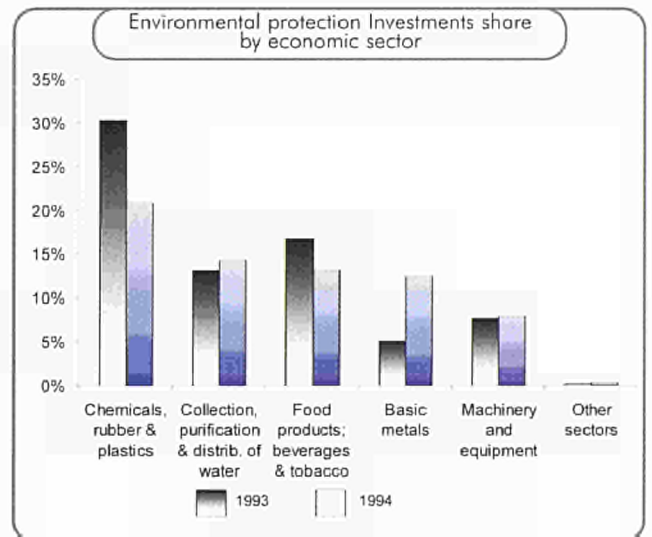
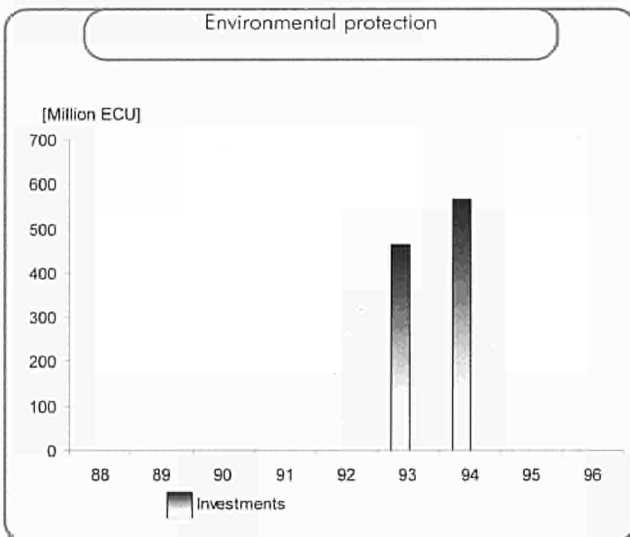
# Environmental Protection Expenditure by Industry

## France

France increased the environmental protection expenditure by industry in investments from ECU 464 million in 1993 to ECU 568 million in 1994 (up 22%).

The main economic sector was "Chemicals, rubber & plastics", which attracted 30% of investments in 1993 and 21% in 1994. "Food products; beverages & tobacco" was second in 1993 with 17% and third in 1994 with 13%. "Collection, purification & distrib. of water" sectors had 13% in 1993 and 14% in 1994.

In 1993 a majority (71% or ECU 330 million) of the investments went to the "Wastewater" domain. This share decreased to 49% in 1994, but fell only 14% in absolute values to 276 million. "Air & climate" domain reached 33% of investment in 1994, while the share was only 1% in 1993. In 1993 however "Air & climate" investments were recorded in just two sectors. The share of investments in the "Waste" domain fell from 22% in 1993 to 14% in 1994.



All reported investments were of the type "end-of-pipe".

# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### France

-1993

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	6 672	330 167	101 876	:	25 701	:	:	:	:	464 415
Mining and quarrying	2 139	:	2 540	:	941	:	:	:	:	5 620
Food products; beverages & tobacco	4 533	60 941	10 983	:	1 482	:	:	:	:	77 939
Textiles & leather products	:	2 860	1 422	:	1 099	:	:	:	:	5 380
Wood and wood products	:	681	591	:	116	:	:	:	:	1 388
Pulp, paper products; publishing & printing	:	43 038	4 314	:	1 328	:	:	:	:	48 680
Coke, ref. petroleum prod. & nuclear fuel	:	5 980	1 360	:	240	:	:	:	:	7 580
Chemicals, rubber & plastics	:	88 069	50 596	:	2 397	:	:	:	:	141 062
Other non-metallic mineral products	:	4 486	8 128	:	582	:	:	:	:	13 196
Basic metals	:	15 358	5 967	:	2 370	:	:	:	:	23 694
Fabricated metal products	:	6 624	1 170	:	6 105	:	:	:	:	13 899
Machinery and equipment	:	20 967	11 546	:	3 410	:	:	:	:	35 923
Electricity, gas, steam & hot water supply	:	21 373	1 838	:	5 593	:	:	:	:	28 803
Collection, purification & distrib. of water	:	59 790	1 422	:	39	:	:	:	:	61 251
<b>1.1 End-of-pipe</b>	6 672	330 167	101 876	:	25 701	:	:	:	:	464 415
Mining and quarrying	2 139	:	2 540	:	941	:	:	:	:	5 620
Food products; beverages & tobacco	4 533	60 941	10 983	:	1 482	:	:	:	:	77 939
Textiles & leather products	:	2 860	1 422	:	1 099	:	:	:	:	5 380
Wood and wood products	:	681	591	:	116	:	:	:	:	1 388
Pulp, paper products; publishing & printing	:	43 038	4 314	:	1 328	:	:	:	:	48 680
Coke, ref. petroleum prod. & nuclear fuel	:	5 980	1 360	:	240	:	:	:	:	7 580
Chemicals, rubber & plastics	:	88 069	50 596	:	2 397	:	:	:	:	141 062
Other non-metallic mineral products	:	4 486	8 128	:	582	:	:	:	:	13 196
Basic metals	:	15 358	5 967	:	2 370	:	:	:	:	23 694
Fabricated metal products	:	6 624	1 170	:	6 105	:	:	:	:	13 899
Machinery and equipment	:	20 967	11 546	:	3 410	:	:	:	:	35 923
Electricity, gas, steam & hot water supply	:	21 373	1 838	:	5 593	:	:	:	:	28 803
Collection, purification & distrib. of water	:	59 790	1 422	:	39	:	:	:	:	61 251
<b>1.2 Integrated technologies</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

All reported investments were of the type "end-of-pipe". Source: Ministry of Industry, Antipol. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by Industry

[1000 ECU]

### France

-1994

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
<b>1. INVESTMENTS</b>	190 066	276 323	81 970	:	19 754	:	:	:	:	568 113
Mining and quarrying	3 998	3 907	3 237	:	463	:	:	:	:	11 606
Food products; beverages & tobacco	3 922	59 546	9 366	:	1 853	:	:	:	:	74 688
Textiles & leather products	1 665	6 355	1 268	:	782	:	:	:	:	10 070
Wood and wood products	5 088	386	197	:	27	:	:	:	:	5 698
Pulp, paper products; publishing & printing	5 941	12 849	7 368	:	1 831	:	:	:	:	27 989
Coke, ref. petroleum prod. & nuclear fuel	24 978	11 306	2 382	:	235	:	:	:	:	38 901
Chemicals, rubber & plastics	36 940	56 029	23 910	:	1 820	:	:	:	:	118 699
Other non-metallic mineral products	20 231	3 558	9 205	:	406	:	:	:	:	33 399
Basic metals	55 013	7 524	6 400	:	1 755	:	:	:	:	70 692
Fabricated metal products	10 953	5 525	711	:	709	:	:	:	:	17 899
Machinery and equipment	14 936	17 861	9 979	:	2 254	:	:	:	:	45 031
Electricity, gas, steam & hot water supply	6 301	10 923	7 328	:	7 605	:	:	:	:	32 157
Collection, purification & distrib. of water	99	80 555	618	:	12	:	:	:	:	81 284
<b>1.1 End-of-pipe</b>	190 066	276 323	81 970	:	19 754	:	:	:	:	568 113
Mining and quarrying	3 998	3 907	3 237	:	463	:	:	:	:	11 606
Food products; beverages & tobacco	3 922	59 546	9 366	:	1 853	:	:	:	:	74 688
Textiles & leather products	1 665	6 355	1 268	:	782	:	:	:	:	10 070
Wood and wood products	5 088	386	197	:	27	:	:	:	:	5 698
Pulp, paper products; publishing & printing	5 941	12 849	7 368	:	1 831	:	:	:	:	27 989
Coke, ref. petroleum prod. & nuclear fuel	24 978	11 306	2 382	:	235	:	:	:	:	38 901
Chemicals, rubber & plastics	36 940	56 029	23 910	:	1 820	:	:	:	:	118 699
Other non-metallic mineral products	20 231	3 558	9 205	:	406	:	:	:	:	33 399
Basic metals	55 013	7 524	6 400	:	1 755	:	:	:	:	70 692
Fabricated metal products	10 953	5 525	711	:	709	:	:	:	:	17 899
Machinery and equipment	14 936	17 861	9 979	:	2 254	:	:	:	:	45 031
Electricity, gas, steam & hot water supply	6 301	10 923	7 328	:	7 605	:	:	:	:	32 157
Collection, purification & distrib. of water	99	80 555	618	:	12	:	:	:	:	81 284
<b>1.2 Integrated technologies</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

All reported investments were of the type "end-of-pipe". Source: Ministry of Industry, Antipol. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

# Environmental Protection Expenditure by Industry

## Netherlands

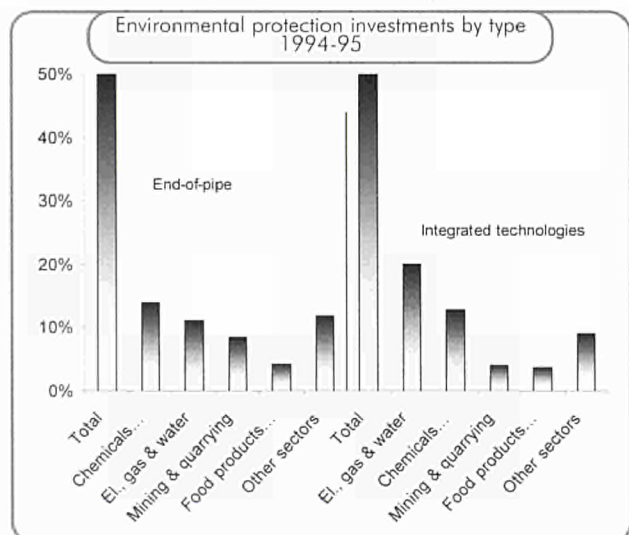
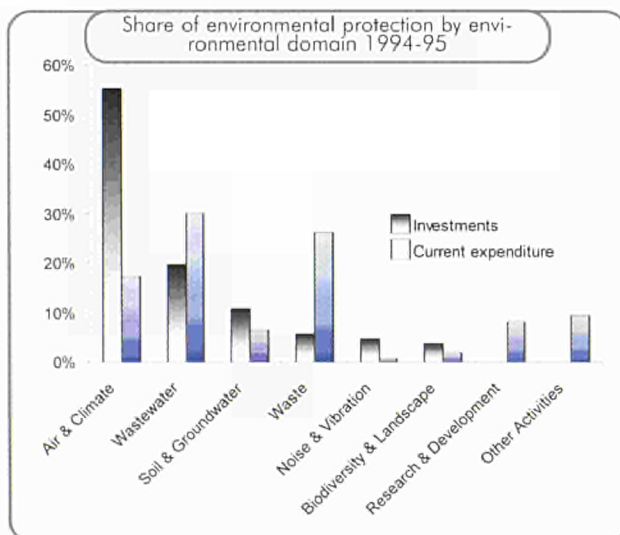
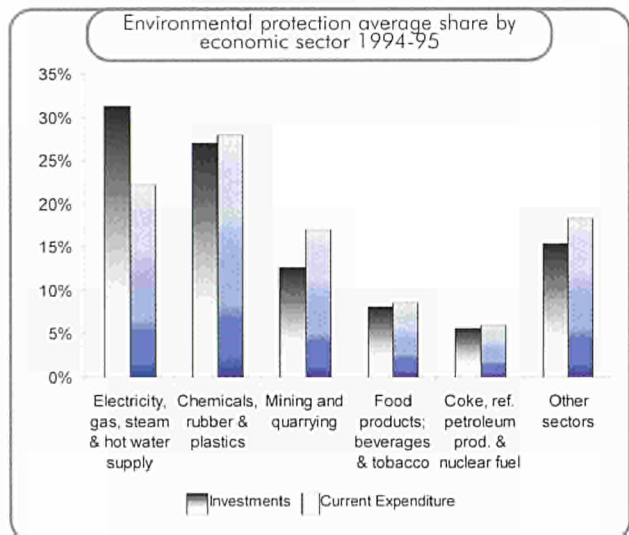
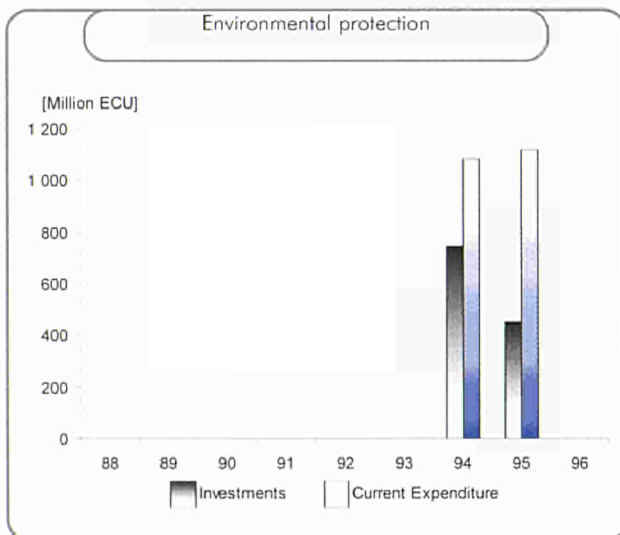
Data reported here cover only two years, 1994 and 1995. Over this period there was a decrease in the environmental protection investment of 39% from ECU 743 million in 1994 to ECU 455 million in 1995, while the environmental protection current expenditure kept its slightly increasing trend (ECU 1.1 bn in 1995). The main difference affected the "Electricity, gas, steam & hot water supply" sector where the domain "Air & climate" decreased from ECU 329 million in 1994 to ECU 3 million in 1995.

Nevertheless the "Electricity, gas, steam & hot water supply" kept in the first rank of investment efforts with 31%, in average of the total environmental protection investments. "Chemicals, rubber & plastics" approached it with 27% of the investments and "Mining & quarrying" was third with 13%. The "Chemicals, rubber & plastics" sector had the largest share of current expenditure (28%), while "Electricity,

gas, steam & hot water supply" came next with 22% and thereafter "Mining & quarrying" with 17%.

The majority (average 55% in 1994 and 1995) of investments went to the "Air & climate" domain. Next was "Wastewater" (20%) followed by "Soil & groundwater" (11%). For current expenditure the largest share went to "Wastewater" (30%), closely followed by the "Waste" domain (26%) and "Air & climate" (17%).

During the years 1994 and 1995 half of the investments went to "end-of-pipe" and an equal amount to "integrated technologies". During that period 14% went to "end-of-pipe" in "Chemicals, rubber & plastics" and 11% to "end-of-pipe" in "Electricity, gas, steam & hot water supply", while 20% went to "integrated technologies" in "Electricity, gas, steam & hot water supply" and 13% to "integrated technologies" in "Chemicals, rubber & plastics".



# Environmental Protection Expenditure by Industry

[1000 ECU]

## Netherlands

-1994

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	496 231	119 494	33 916	57 592	27 615	7 969	:	:	:	742 817
Mining and quarrying	11 444	20 340	2 548	11 120	7 552	4 216	:	:	:	57 222
Food products; beverages & tobacco	26 688	14 039	2 224	2 131	2 919	1 344	:	:	:	49 345
Textiles & leather products	1 205	8 618	1 251	510	139	0	:	:	:	11 722
Wood and wood products	973	139	371	0	185	0	:	:	:	1 668
Pulp, paper products; publishing & printing	556	3 151	1 992	788	556	93	:	:	:	7 135
Coke, ref. petroleum prod. & nuclear fuel	42 534	2 409	2 085	6 301	5 606	0	:	:	:	58 936
Chemicals, rubber & plastics	52 032	31 646	13 622	28 912	2 548	880	:	:	:	129 641
Other non-metallic mineral products	17 282	3 243	1 668	649	741	93	:	:	:	23 676
Basic metals	1 714	139	5 189	973	46	0	:	:	:	8 062
Fabricated metal products	9 174	1 761	1 251	1 251	46	0	:	:	:	13 483
Machinery and equipment	2 826	2 919	1 297	1 529	278	0	:	:	:	8 850
Electricity, gas, steam & hot water supply	329 245	23 676	417	3 429	6 996	1 344	:	:	:	365 107
Collection, purification & distrib. of water	556	7 413	0	0	0	0	:	:	:	7 969
<b>1.1 End-of-pipe</b>	164 762	98 088	15 290	50 364	22 750	5 375	:	:	:	356 628
Mining and quarrying	3 568	20 016	2 548	11 120	7 552	4 216	:	:	:	49 021
Food products; beverages & tobacco	4 355	11 027	927	1 575	2 039	556	:	:	:	20 479
Textiles & leather products	1 019	8 386	93	510	93	0	:	:	:	10 101
Wood and wood products	973	139	139	0	185	0	:	:	:	1 436
Pulp, paper products; publishing & printing	46	1 158	510	788	417	0	:	:	:	2 919
Coke, ref. petroleum prod. & nuclear fuel	26 039	1 529	232	2 687	3 799	0	:	:	:	34 287
Chemicals, rubber & plastics	13 251	22 379	3 707	26 225	1 668	46	:	:	:	67 276
Other non-metallic mineral products	13 946	2 641	371	649	324	93	:	:	:	18 024
Basic metals	371	93	4 726	973	46	0	:	:	:	6 209
Fabricated metal products	2 039	1 344	834	1 205	46	0	:	:	:	5 467
Machinery and equipment	1 390	1 807	973	1 205	93	0	:	:	:	5 467
Electricity, gas, steam & hot water supply	97 763	22 518	232	3 429	6 487	463	:	:	:	130 892
Collection, purification & distrib. of water	0	5 050	0	0	0	0	:	:	:	5 050
<b>1.2 Integrated technologies</b>	331 469	21 406	18 626	7 228	4 865	2 595	:	:	:	386 189
Mining and quarrying	7 877	324	0	0	0	0	:	:	:	8 201
Food products; beverages & tobacco	22 333	3 012	1 297	556	880	788	:	:	:	28 866
Textiles & leather products	185	232	1 158	0	46	0	:	:	:	1 622
Wood and wood products	0	0	232	0	0	0	:	:	:	232
Pulp, paper products; publishing & printing	510	1 992	1 483	0	139	93	:	:	:	4 216
Coke, ref. petroleum prod. & nuclear fuel	16 495	880	1 853	3 614	1 807	0	:	:	:	24 649
Chemicals, rubber & plastics	38 781	9 267	9 915	2 687	880	834	:	:	:	62 365
Other non-metallic mineral products	3 336	602	1 297	0	417	0	:	:	:	5 653
Basic metals	1 344	46	463	0	0	0	:	:	:	1 853
Fabricated metal products	7 135	417	417	46	0	0	:	:	:	8 016
Machinery and equipment	1 436	1 112	324	324	185	0	:	:	:	3 382
Electricity, gas, steam & hot water supply	231 482	1 158	185	0	510	880	:	:	:	234 215
Collection, purification & distrib. of water	556	2 363	0	0	0	0	:	:	:	2 919
<b>2. CURRENT EXPENDITURE</b>	192 654	325 214	282 031	73 392	7 367	19 136	:	83 817	98 690	1 082 302
Mining and quarrying	1 622	5 467	14 688	15 197	2 687	1 622	:	8 664	19 784	69 732
Food products; beverages & tobacco	6 533	102 350	32 665	5 189	880	1 112	:	9 313	9 406	167 449
Textiles & leather products	3 336	8 572	5 004	1 575	0	0	:	1 436	2 039	21 962
Wood and wood products	510	278	5 745	695	0	0	:	649	278	8 155
Pulp, paper products; publishing & printing	3 660	25 483	25 808	1 112	185	185	:	1 205	3 799	61 438
Coke, ref. petroleum prod. & nuclear fuel	31 321	19 275	16 495	2 965	556	0	:	324	4 541	75 477
Chemicals, rubber & plastics	41 885	116 251	84 836	28 773	1 344	7 830	:	40 264	25 854	347 037
Other non-metallic mineral products	6 209	4 170	11 861	927	93	510	:	2 131	3 799	29 700
Basic metals	23 630	8 850	16 217	3 012	602	324	:	2 224	5 560	60 419
Fabricated metal products	1 575	7 089	16 078	1 992	93	46	:	1 714	4 448	33 036
Machinery and equipment	5 514	18 163	39 244	9 220	185	185	:	5 977	12 510	90 999
Electricity, gas, steam & hot water supply	61 531	6 023	10 935	2 270	649	3 707	:	9 313	4 958	99 385
Collection, purification & distrib. of water	5 328	3 243	2 456	463	93	3 614	:	602	1 714	17 514
<b>2.1 Internal current expenditure</b>	192 654	194 786	30 395	23 908	7 367	16 124	:	65 145	73 948	604 327
Mining and quarrying	1 622	5 050	1 946	3 336	2 687	1 622	:	5 884	8 016	30 163
Food products; beverages & tobacco	6 533	30 580	1 066	1 066	880	1 112	:	6 070	7 506	54 812
Textiles & leather products	3 336	1 853	139	232	0	0	:	927	1 622	8 108
Wood and wood products	510	46	93	46	0	0	:	93	232	1 019
Pulp, paper products; publishing & printing	3 660	16 031	463	602	185	185	:	510	3 243	24 881
Coke, ref. petroleum prod. & nuclear fuel	31 321	17 514	4 726	1 205	556	0	:	93	3 475	58 890
Chemicals, rubber & plastics	41 885	94 010	14 502	11 861	1 344	7 830	:	35 584	22 657	229 675
Other non-metallic mineral products	6 209	1 992	1 019	185	93	510	:	741	2 780	13 529
Basic metals	23 630	5 606	3 197	1 019	602	324	:	1 807	5 097	41 283
Fabricated metal products	1 575	4 494	556	695	93	46	:	880	3 614	11 954
Machinery and equipment	5 514	9 776	1 761	2 039	185	185	:	3 429	10 564	33 453
Electricity, gas, steam & hot water supply	61 531	5 050	788	1 390	649	3 707	:	8 664	4 124	85 902
Collection, purification & distrib. of water	5 328	2 780	139	232	93	602	:	463	1 019	10 657

\* Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

# Environmental Protection Expenditure

## by Industry

[1000 ECU]  
Please see footnote!

### Netherlands

-1994

#### 2.2 External current expenditure

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Developm.	Other Activities	Total
Mining and quarrying	0	417	12 742	11 861	0	0	2 780	11 769	39 569	
Food products; beverages & tobacco	0	71 770	31 599	4 124	0	0	3 243	1 900	112 637	
Textiles & leather products	0	6 718	4 865	1 344	0	0	510	417	13 854	
Wood and wood products	0	232	5 653	649	0	0	556	46	7 135	
Pulp, paper products; publishing & printing	0	9 452	25 344	510	0	0	695	556	36 557	
Coke, ref. petroleum prod. & nuclear fuel	0	1 761	11 769	1 761	0	0	232	1 066	16 587	
Chemicals, rubber & plastics	0	22 240	70 334	16 912	0	0	4 680	3 197	117 363	
Other non-metallic mineral products	0	2 178	10 842	741	0	0	1 390	1 019	16 170	
Basic metals	0	3 243	13 020	1 992	0	0	417	463	19 136	
Fabricated metal products	0	2 595	15 522	1 297	0	0	834	834	21 082	
Machinery and equipment	0	8 386	37 484	7 182	0	0	2 548	1 946	57 546	
Electricity, gas, steam & hot water supply	0	973	10 147	880	0	0	649	834	13 483	
Collection, purification & distrib. of water	0	463	2 317	232	0	3 012	139	695	6 857	

#### 3. OPERATIONAL BENEFITS

Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

#### 3.1 Sales of related goods & services

Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

#### 3.2 Saving/Costs offsets

Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

#### 4. LABOUR INPUTS

Mining and quarrying	1 265	1 304	705	230	39	93	0	2 128	5 764
Food products; beverages & tobacco	8	24	0	9	3	1	0	231	276
Textiles & leather products	61	263	40	11	7	4	0	216	601
Wood and wood products	16	12	4	1	0	0	0	47	80
Pulp, paper products; publishing & printing	3	0	3	0	0	0	0	7	12
Coke, ref. petroleum prod. & nuclear fuel	21	40	24	5	1	1	0	93	187
Chemicals, rubber & plastics	196	165	85	11	5	0	0	100	562
Other non-metallic mineral products	373	508	313	125	11	15	0	652	1 997
Basic metals	52	15	25	1	0	1	0	80	175
Fabricated metal products	253	64	104	20	5	3	0	147	596
Machinery and equipment	13	47	21	8	1	0	0	104	195
Electricity, gas, steam & hot water supply	44	136	65	23	3	1	0	304	576
Collection, purification & distrib. of water	192	27	17	13	4	57	0	119	429
	32	4	3	3	0	9	0	29	80

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.  
Please note that LABOUR INPUTS are in number of persons!

# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Netherlands

-1995

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	165 181	117 347	34 589	72 561	28 682	36 638	:	:	:	454 998
Mining and quarrying	18 581	2 716	6 051	19 915	16 485	31 207	:	:	:	94 954
Food products; beverages & tobacco	14 913	24 965	1 525	1 668	3 907	286	:	:	:	47 263
Textiles & leather products	191	1 239	0	619	191	0	:	:	:	2 239
Wood and wood products	381	334	143	572	429	0	:	:	:	1 858
Pulp, paper products; publishing & printing	3 287	7 861	3 383	1 239	429	48	:	:	:	16 247
Coke, ref. petroleum prod. & nuclear fuel	6 194	1 382	95	762	48	0	:	:	:	8 481
Chemicals, rubber & plastics	80 184	61 889	11 577	36 781	1 763	1 620	:	:	:	193 815
Other non-metallic mineral products	25 442	3 573	1 239	1 477	1 382	95	:	:	:	33 208
Basic metals	4 717	1 858	5 003	4 479	1 334	0	:	:	:	17 390
Fabricated metal products	2 144	3 430	1 382	2 001	1 286	0	:	:	:	10 243
Machinery and equipment	5 670	5 717	4 050	2 001	1 286	48	:	:	:	18 772
Electricity, gas, steam & hot water supply	3 430	1 906	143	381	143	3 287	:	:	:	9 291
Collection, purification & distrib. of water	48	476	0	667	0	48	:	:	:	1 239
<b>1.1 End-of-pipe</b>	40 021	103 053	14 436	50 312	23 203	15 151	:	:	:	246 175
Mining and quarrying	5 193	2 525	334	15 532	16 437	13 293	:	:	:	53 313
Food products; beverages & tobacco	5 098	22 583	1 048	1 096	1 239	0	:	:	:	31 064
Textiles & leather products	191	905	0	619	95	0	:	:	:	1 810
Wood and wood products	48	334	143	572	429	0	:	:	:	1 525
Pulp, paper products; publishing & printing	953	7 718	1 953	858	429	0	:	:	:	11 911
Coke, ref. petroleum prod. & nuclear fuel	429	953	0	286	0	0	:	:	:	1 668
Chemicals, rubber & plastics	16 914	55 648	2 525	23 441	1 525	1 525	:	:	:	101 577
Other non-metallic mineral products	4 288	2 192	905	1 477	381	95	:	:	:	9 338
Basic metals	2 096	1 191	4 717	2 335	381	0	:	:	:	10 720
Fabricated metal products	1 382	2 335	191	2 001	1 191	0	:	:	:	7 099
Machinery and equipment	3 430	4 431	2 477	1 715	953	0	:	:	:	13 007
Electricity, gas, steam & hot water supply	0	1 810	143	381	143	191	:	:	:	2 668
Collection, purification & distrib. of water	0	429	0	0	0	48	:	:	:	476
<b>1.2 Integrated technologies</b>	125 160	14 293	20 153	22 250	5 479	21 487	:	:	:	208 823
Mining and quarrying	13 388	191	5 717	4 383	48	17 914	:	:	:	41 641
Food products; beverages & tobacco	9 815	2 382	476	572	2 668	286	:	:	:	16 199
Textiles & leather products	0	334	0	0	95	0	:	:	:	429
Wood and wood products	334	0	0	0	0	0	:	:	:	334
Pulp, paper products; publishing & printing	2 335	143	1 429	381	0	48	:	:	:	4 336
Coke, ref. petroleum prod. & nuclear fuel	5 765	429	95	476	48	0	:	:	:	6 813
Chemicals, rubber & plastics	63 271	6 241	9 052	13 340	238	95	:	:	:	92 238
Other non-metallic mineral products	21 154	1 382	334	0	1 001	0	:	:	:	23 870
Basic metals	2 620	667	286	2 144	953	0	:	:	:	6 670
Fabricated metal products	762	1 096	1 191	0	95	0	:	:	:	3 144
Machinery and equipment	2 239	1 286	1 572	286	334	48	:	:	:	5 765
Electricity, gas, steam & hot water supply	3 430	95	0	0	0	3 097	:	:	:	6 622
Collection, purification & distrib. of water	48	48	0	667	0	0	:	:	:	762
<b>2. CURRENT EXPENDITURE</b>	190 099	336 270	296 106	65 224	7 242	22 536	:	93 954	106 627	1 118 057
Mining and quarrying	2 525	7 766	16 580	19 296	2 573	1 286	:	7 289	16 294	73 610
Food products; beverages & tobacco	6 718	96 193	34 780	2 954	953	1 525	:	7 289	9 433	159 845
Textiles & leather products	3 859	10 577	6 432	334	0	0	:	1 191	2 239	24 632
Wood and wood products	667	429	7 957	524	0	0	:	476	1 001	11 053
Pulp, paper products; publishing & printing	3 430	25 346	23 060	1 668	191	238	:	1 715	4 383	60 031
Coke, ref. petroleum prod. & nuclear fuel	31 254	19 582	16 151	2 477	524	0	:	619	5 050	75 658
Chemicals, rubber & plastics	45 738	123 493	82 090	24 441	1 382	8 338	:	38 449	28 443	352 373
Other non-metallic mineral products	7 528	4 621	15 437	524	95	572	:	2 335	3 669	34 780
Basic metals	20 296	9 243	19 058	1 810	524	334	:	5 574	4 812	61 651
Fabricated metal products	2 144	6 908	17 771	2 430	95	48	:	3 383	7 957	40 735
Machinery and equipment	6 003	20 201	43 022	4 907	191	191	:	9 291	12 483	96 288
Electricity, gas, steam & hot water supply	55 219	7 051	12 102	3 002	572	3 526	:	15 198	7 147	103 816
Collection, purification & distrib. of water	4 717	4 860	1 668	858	143	6 480	:	1 143	3 716	23 584
<b>2.1 Internal current expenditure</b>	190 099	202 724	31 064	27 443	7 242	16 866	:	71 609	79 899	626 944
Mining and quarrying	2 525	7 194	2 096	4 288	2 573	1 286	:	4 479	6 765	31 207
Food products; beverages & tobacco	6 718	32 969	953	1 143	953	1 525	:	3 573	7 814	55 648
Textiles & leather products	3 859	2 573	143	238	0	0	:	572	1 763	9 148
Wood and wood products	667	95	95	95	0	0	:	95	715	1 763
Pulp, paper products; publishing & printing	3 430	14 484	762	715	191	238	:	858	3 430	24 108
Coke, ref. petroleum prod. & nuclear fuel	31 254	17 199	4 621	1 382	524	0	:	238	2 382	57 601
Chemicals, rubber & plastics	45 738	96 955	14 579	13 626	1 382	8 338	:	32 636	24 489	237 742
Other non-metallic mineral products	7 528	2 239	1 048	238	95	572	:	1 048	2 573	15 341
Basic metals	20 296	5 431	3 526	1 191	524	334	:	4 621	4 288	40 211
Fabricated metal products	2 144	4 050	619	762	95	48	:	2 001	6 337	16 056
Machinery and equipment	6 003	10 625	1 810	2 192	191	191	:	7 004	10 291	38 306
Electricity, gas, steam & hot water supply	55 219	4 860	667	1 286	572	3 526	:	14 484	6 337	86 950
Collection, purification & distrib. of water	4 717	4 050	143	286	143	810	:	0	2 716	12 864

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.



# Environmental Protection Expenditure

## by Industry

[1000 ECU]  
Please see footnote!

### Netherlands

-1995

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Developm.	Other Activities	Total
<b>2.2 External current expenditure</b>	0	133 546	265 042	37 782	0	5 670	:	22 345	26 728	491 112
Mining and quarrying	0	572	14 484	15 008	0	0	:	2 811	9 529	42 403
Food products; beverages & tobacco	0	63 223	33 827	1 810	0	0	:	3 716	1 620	104 197
Textiles & leather products	0	8 004	6 289	95	0	0	:	619	476	15 484
Wood and wood products	0	334	7 861	429	0	0	:	381	286	9 291
Pulp, paper products; publishing & printing	0	10 863	22 297	953	0	0	:	858	953	35 923
Coke, ref. petroleum prod. & nuclear fuel	0	2 382	11 530	1 096	0	0	:	381	2 668	18 057
Chemicals, rubber & plastics	0	26 538	67 511	10 815	0	0	:	5 813	3 954	114 631
Other non-metallic mineral products	0	2 382	14 388	286	0	0	:	1 286	1 096	19 439
Basic metals	0	3 812	15 532	619	0	0	:	953	524	21 440
Fabricated metal products	0	2 859	17 152	1 668	0	0	:	1 382	1 620	24 679
Machinery and equipment	0	9 576	41 212	2 716	0	0	:	2 287	2 192	57 982
Electricity, gas, steam & hot water supply	0	2 192	11 435	1 715	0	0	:	715	810	16 866
Collection, purification & distrib. of water	0	810	1 525	572	0	5 670	:	1 143	1 001	10 720
<b>3. OPERATIONAL BENEFITS</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>3.1 Sales of related goods &amp; services</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>3.2 Saving/Costs offsets</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>4. LABOUR INPUTS</b>	1 105	1 299	686	245	39	106	:	0	2 236	5 717
Mining and quarrying	8	23	0	11	3	1	:	0	189	234
Food products; beverages & tobacco	56	259	35	11	7	11	:	0	219	596
Textiles & leather products	16	13	3	1	0	0	:	0	49	83
Wood and wood products	3	1	3	1	0	0	:	0	20	28
Pulp, paper products; publishing & printing	20	43	29	7	1	3	:	0	96	198
Coke, ref. petroleum prod. & nuclear fuel	185	155	80	11	5	0	:	0	67	502
Chemicals, rubber & plastics	353	519	305	136	11	21	:	0	685	2 030
Other non-metallic mineral products	52	15	25	3	0	1	:	0	72	168
Basic metals	199	63	107	21	4	3	:	0	120	516
Fabricated metal products	15	48	21	8	1	0	:	0	177	271
Machinery and equipment	43	128	63	24	3	1	:	0	288	549
Electricity, gas, steam & hot water supply	128	28	13	12	4	53	:	0	177	416
Collection, purification & distrib. of water	28	7	3	0	1	12	:	0	76	127

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.  
Please note that LABOUR INPUTS are in number of persons!



# Environmental Protection Expenditure by Industry

## Austria

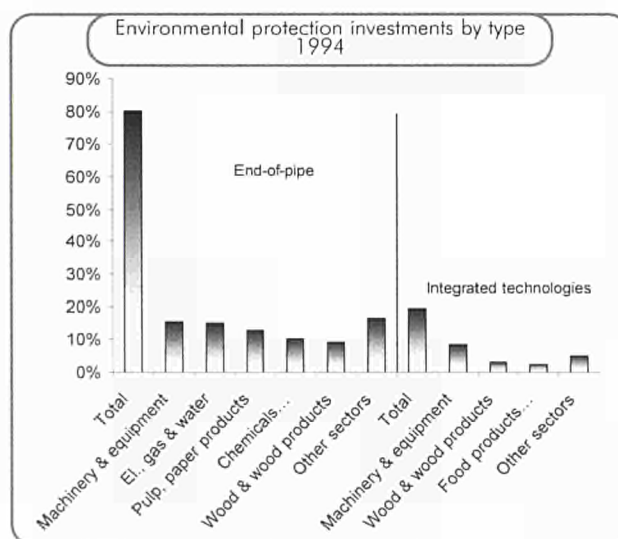
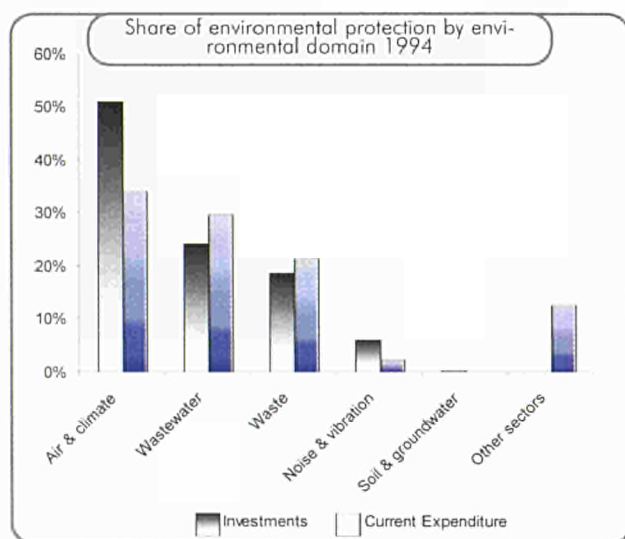
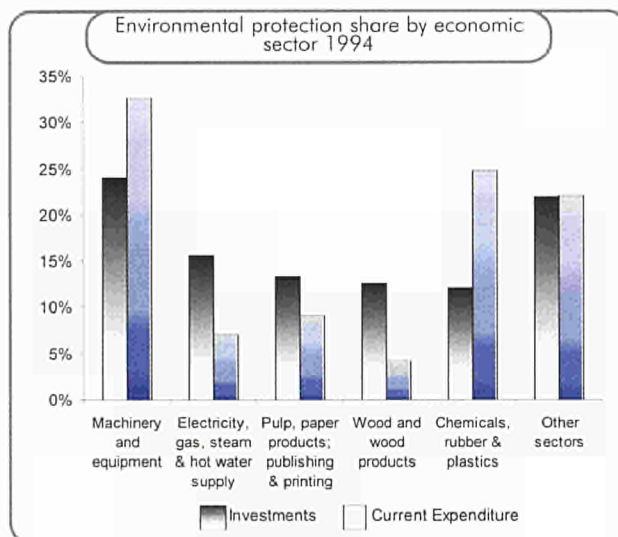
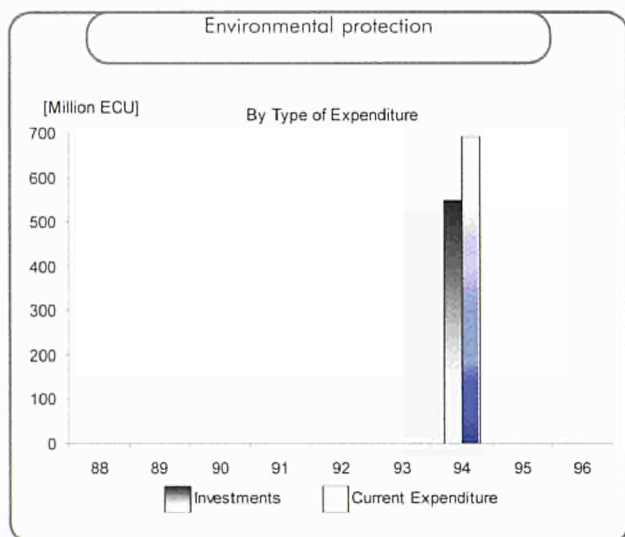
In 1994, Austria recorded an amount of ECU 691 million for environmental protection in current expenditure by industry, 26% higher than investments.

"Machinery and equipment" was the biggest economic sector for both environmental protection investments (24%) and current expenditure (33%). Other important sectors for environmental protection investments were "Electricity, gas, steam & hot water supply" (16%), "Pulp, paper products; publishing & printing" (13%), "Wood and wood products" (13%) and "Chemicals, rubber & plastics" (12%). "Chemicals, rubber & plastics" was the second biggest economic sector for environmental protection current expenditure (25%).

The main environmental domain is "Air & climate", attracting 51% for environmental protection investments and 34% for environmental protection current expenditure. The second is "Wastewater" with 24% for

investments and 30% for current expenditure. The third is "Waste" with 19% for investments and 21% for current expenditure.

The majority (80%) of investments was focused in "end-of-pipe" type, while the rest (20%) went to "integrated technologies". "End-of-pipe" in "Machinery & equipment" attracted 16%, followed by "Electricity, gas, steam & hot water supply" with 15% of environmental protection investments.



## Environmental Protection Expenditure by Industry

[1000 ECU]

### Austria

-1994

	<i>Air &amp; Climate</i>	<i>Waste-water</i>	<i>Waste</i>	<i>Soil &amp; Ground-water</i>	<i>Noise &amp; Vibration</i>	<i>Biodiversity &amp; Landscape</i>	<i>Radiation</i>	<i>Research &amp; Dev't</i>	<i>Other Activities</i>	<i>Total</i>
<b>1. INVESTMENTS</b>	280 310	132 487	102 767	864	32 610	:	:	:	:	549 037
Mining and quarrying	1 760	1 877	1 128	:	1 233	:	:	:	:	5 998
Food products; beverages & tobacco	14 761	39 547	3 547	:	6 371	:	:	:	:	64 226
Textiles & leather products	3 627	3 934	1 733	:	1 130	:	:	:	:	10 425
Wood and wood products	43 450	1 714	12 452	:	11 895	:	:	:	:	69 511
Pulp, paper products; publishing & printing	2 663	21 962	48 230	:	679	:	:	:	:	73 534
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	24 780	27 948	13 043	:	1 248	:	:	:	:	67 019
Other non-metallic mineral products	22 481	8 968	5 793	:	3 022	:	:	:	:	40 263
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	86 268	23 139	16 840	:	5 954	:	:	:	:	132 202
Electricity, gas, steam & hot water supply	80 519	3 397	:	864	1 078	:	:	:	:	85 859
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	215 019	112 165	94 379	864	19 221	:	:	:	:	441 647
Mining and quarrying	1 240	1 593	1 116	:	815	:	:	:	:	4 765
Food products; beverages & tobacco	9 696	33 587	2 833	:	2 876	:	:	:	:	48 992
Textiles & leather products	1 741	2 852	1 458	:	493	:	:	:	:	6 545
Wood and wood products	30 008	1 392	12 230	:	7 933	:	:	:	:	51 564
Pulp, paper products; publishing & printing	2 629	20 328	48 163	:	628	:	:	:	:	71 747
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	20 147	24 233	11 556	:	1 118	:	:	:	:	57 054
Other non-metallic mineral products	19 078	7 367	3 798	:	1 634	:	:	:	:	31 878
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	52 598	17 416	13 224	:	2 747	:	:	:	:	85 985
Electricity, gas, steam & hot water supply	77 883	3 397	:	864	975	:	:	:	:	83 119
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	65 284	20 323	8 388	:	13 389	:	:	:	:	107 384
Mining and quarrying	520	284	12	:	417	:	:	:	:	1 233
Food products; beverages & tobacco	5 066	5 960	713	:	3 495	:	:	:	:	15 235
Textiles & leather products	1 886	1 082	275	:	637	:	:	:	:	3 880
Wood and wood products	13 441	323	222	:	3 962	:	:	:	:	17 948
Pulp, paper products; publishing & printing	34	1 634	67	:	51	:	:	:	:	1 787
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	4 633	3 714	1 487	:	130	:	:	:	:	9 965
Other non-metallic mineral products	3 403	1 601	1 994	:	1 387	:	:	:	:	8 386
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	33 671	5 724	3 616	:	3 207	:	:	:	:	46 218
Electricity, gas, steam & hot water supply	2 629	:	:	:	103	:	:	:	:	2 733
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	234 726	204 757	147 967	199	15 520	6 907	:	80 638	:	690 714
Mining and quarrying	4 585	9 323	5 978	:	979	3 671	:	5 869	:	30 405
Food products; beverages & tobacco	4 204	39 367	23 272	:	179	21	:	956	:	68 000
Textiles & leather products	3 286	8 333	7 340	:	273	194	:	802	:	20 229
Wood and wood products	13 074	:	3 674	:	12 199	6	:	364	:	29 317
Pulp, paper products; publishing & printing	11 325	31 895	18 817	:	249	147	:	1 377	:	63 810
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	72 298	54 610	22 207	:	205	279	:	21 600	:	171 201
Other non-metallic mineral products	11 062	4 947	12 865	:	329	1 785	:	3 288	:	34 276
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	67 254	56 023	53 813	:	987	804	:	46 380	:	225 262
Electricity, gas, steam & hot water supply	47 638	259	:	554	118	:	:	:	:	48 569
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	190 557	128 065	49 083	199	15 028	:	:	:	:	382 932
Mining and quarrying	2 736	3 476	612	:	875	:	:	:	:	7 699
Food products; beverages & tobacco	3 548	18 171	6 875	:	171	:	:	:	:	28 765
Textiles & leather products	3 140	4 909	2 213	:	260	:	:	:	:	10 522
Wood and wood products	12 093	2 946	2 940	:	11 959	:	:	:	:	29 938
Pulp, paper products; publishing & printing	9 596	21 011	3 245	:	233	:	:	:	:	34 084
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	56 180	42 938	11 044	:	194	:	:	:	:	110 356
Other non-metallic mineral products	9 830	4 578	7 372	:	313	:	:	:	:	22 093
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	45 796	29 944	14 783	:	979	:	:	:	:	91 501
Electricity, gas, steam & hot water supply	47 638	92	:	199	44	:	:	:	:	47 973
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

# Environmental Protection Expenditure by Industry

[1000 ECU]  
Please see footnote!

## Austria

-1994

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Developm.	Other Activities	Total
<b>2.2 External current expenditure</b>	44 170	79 800	98 883	:	418	:	:	:	:	223 271
Mining and quarrying	1 849	5 847	5 365	:	103	:	:	:	:	13 165
Food products; beverages & tobacco	657	21 197	16 396	:	9	:	:	:	:	38 259
Textiles & leather products	145	3 424	5 126	:	13	:	:	:	:	8 709
Wood and wood products	981	327	735	:	240	:	:	:	:	2 283
Pulp, paper products; publishing & printing	1 730	10 884	15 572	:	16	:	:	:	:	28 202
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	16 119	11 673	11 164	:	11	:	:	:	:	38 966
Other non-metallic mineral products	1 232	369	5 494	:	16	:	:	:	:	7 110
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	21 458	26 079	39 031	:	9	:	:	:	:	86 576
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>3. OPERATIONAL BENEFITS</b>	0	0	0	:	0	:	:	:	:	0
Mining and quarrying	0	0	0	:	0	:	:	:	:	0
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>3.1 Sales of related goods &amp; services</b>	0	0	0	:	0	:	:	:	:	0
Mining and quarrying	0	0	0	:	0	:	:	:	:	0
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>3.2 Saving/Costs offsets</b>	0	0	0	:	0	:	:	:	:	0
Mining and quarrying	0	0	0	:	0	:	:	:	:	0
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>4. LABOUR INPUTS</b>	915	1 073	655	3	19	:	:	:	:	2 665
Mining and quarrying	24	34	5	:	4	:	:	:	:	67
Food products; beverages & tobacco	46	266	204	:	1	:	:	:	:	517
Textiles & leather products	17	35	62	:	2	:	:	:	:	116
Wood and wood products	181	76	102	:	3	:	:	:	:	362
Pulp, paper products; publishing & printing	3	80	6	:	1	:	:	:	:	90
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	156	166	36	:	1	:	:	:	:	359
Other non-metallic mineral products	51	73	27	:	1	:	:	:	:	152
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	192	342	213	:	5	:	:	:	:	752
Electricity, gas, steam & hot water supply	245	1	:	3	1	:	:	:	:	250
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.  
Please note that LABOUR INPUTS are in number of persons!



## Environmental Protection Expenditure by Industry

### Portugal

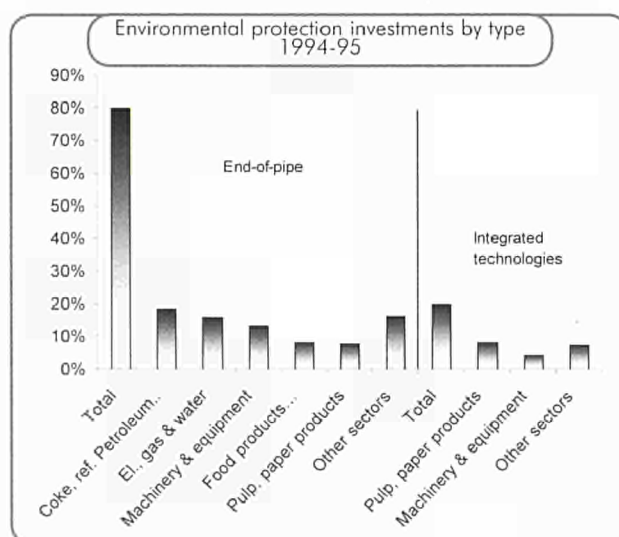
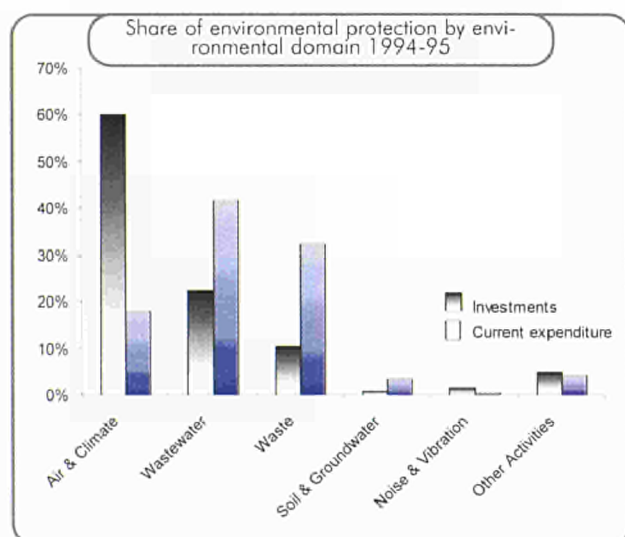
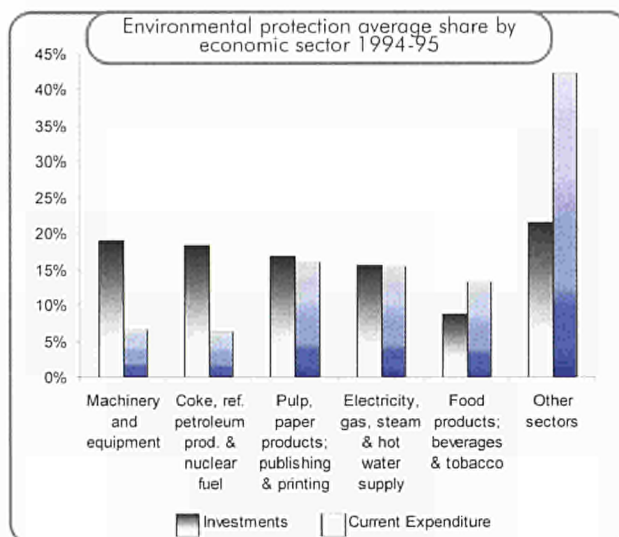
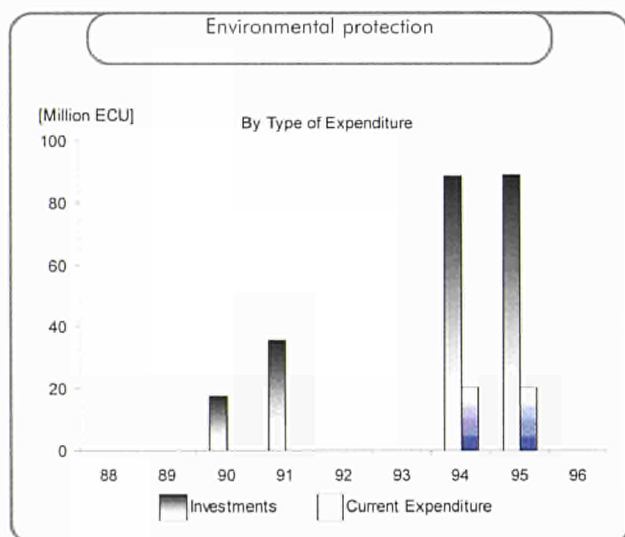
Environmental protection investments and current expenditure stayed at the same level in 1994 and 1995 with ECU 89 million and ECU 21 million respectively. Very few data were reported for 1990 and 1991 and are not therefore commented.

About 70% of the investments were relatively well distributed among four sectors in 1994 - 95: "Machinery & equipment" (19%), "Coke, ref. petroleum prod. & nuclear fuel" (18%), "Pulp, paper products; publishing & printing" (17%) and "Electricity, gas, steam & hot water supply" (16%). For current expenditure 16% went to "Pulp, paper products; publishing & printing" and "Electricity, gas, steam & hot water supply" respectively.

A majority (average 60% in 1994 - 95) of investments went to "Air & climate" and a relatively large part (22%) went to the "Wastewater" domain. The third

domain was "Waste" with 10% of investments. A relatively large share (42%) of current expenditure went to "Wastewater". Also the "Waste" domain attracted a relatively large share (32%) and "Air & climate" was third with 18%.

The main focus of investments were concentrated on end-of-pipe (average 80% in 1994 - 95). About 19% went to end-of-pipe in "Coke, ref. petroleum prod. & nuclear fuel", 16% to end-of-pipe in "Electricity, gas, steam & hot water supply" and 13% to end-of-pipe in "Machinery & equipment". Integrated technologies, "Pulp, paper products; publishing & printing" were the major users with 8%.



## Environmental Protection Expenditure by Industry

[1000 ECU]

### Portugal

-1990

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'ment	Other Activities	Total
<b>1. INVESTMENTS</b>	7 888	3 161	6 443	:	189	:	:	:	:	17 681
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	10	483	359	:	0	:	:	:	:	851
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	21	0	1	:	0	:	:	:	:	22
Pulp, paper products; publishing & printing	5 163	2 678	6 070	:	63	:	:	:	:	13 975
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	:	0	:	:	:	:	0
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	2 694	0	12	:	126	:	:	:	:	2 832
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

\* Due to rounding after currency conversion, aggregates may not reflect the sum of their parts. Environmental protection Investments only include End-of-pipe type. No current expenditure were recorded.



# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Portugal

-1991

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	8 007	25 503	1 910	:	398	:	:	:	:	35 818
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	43	1 001	723	:	0	:	:	:	:	1 767
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	427	896	0	:	0	:	:	:	:	1 322
Pulp, paper products; publishing & printing	5 328	23 320	964	:	0	:	:	:	:	29 611
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	:	0	:	:	:	:	0
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	2 210	286	223	:	398	:	:	:	:	3 117
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts. Environmental protection Investments only include End-of-pipe type. No current expenditure were recorded.

# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Portugal

-1994

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	54 475	20 338	9 461	623	1 331	:	:	:	2 547	88 774
Mining and quarrying	68	313	0	0	11	:	:	:	120	511
Food products; beverages & tobacco	988	4 698	1 564	38	295	:	:	:	835	8 419
Textiles & leather products	1 358	3 031	478	0	86	:	:	:	101	5 054
Wood and wood products	684	88	639	8	55	:	:	:	0	1 473
Pulp, paper products; publishing & printing	6 562	5 243	1 785	74	197	:	:	:	374	14 236
Coke, ref. petroleum prod. & nuclear fuel	16 473	122	0	0	0	:	:	:	0	16 595
Chemicals, rubber & plastics	936	1 462	1 301	232	14	:	:	:	24	3 969
Other non-metallic mineral products	3 540	467	363	102	272	:	:	:	229	4 972
Basic metals	567	187	1	0	0	:	:	:	0	754
Fabricated metal products	1 721	479	46	0	184	:	:	:	5	2 435
Machinery and equipment	9 463	2 876	2 157	170	216	:	:	:	859	15 741
Electricity, gas, steam & hot water supply	11 724	1 371	1 102	0	0	:	:	:	0	14 197
Collection, purification & distrib. of water	393	0	25	0	0	:	:	:	0	418
<b>1.1 End-of-pipe</b>	46 257	14 141	7 191	554	694	:	:	:	2 254	71 091
Mining and quarrying	43	313	0	0	11	:	:	:	120	486
Food products; beverages & tobacco	705	4 097	1 185	38	226	:	:	:	835	7 087
Textiles & leather products	1 229	1 670	457	0	45	:	:	:	90	3 491
Wood and wood products	617	85	393	8	40	:	:	:	0	1 142
Pulp, paper products; publishing & printing	3 841	1 740	1 066	46	184	:	:	:	155	7 031
Coke, ref. petroleum prod. & nuclear fuel	16 473	122	0	0	0	:	:	:	0	16 595
Chemicals, rubber & plastics	250	1 124	1 092	201	14	:	:	:	0	2 682
Other non-metallic mineral products	3 245	408	359	102	28	:	:	:	229	4 370
Basic metals	567	152	1	0	0	:	:	:	0	720
Fabricated metal products	955	446	33	0	79	:	:	:	3	1 517
Machinery and equipment	6 588	2 611	1 479	159	68	:	:	:	822	11 728
Electricity, gas, steam & hot water supply	11 724	1 371	1 102	0	0	:	:	:	0	14 197
Collection, purification & distrib. of water	21	0	25	0	0	:	:	:	0	46
<b>1.2 Integrated technologies</b>	8 218	6 197	2 270	69	636	:	:	:	292	17 682
Mining and quarrying	25	0	0	0	0	:	:	:	0	25
Food products; beverages & tobacco	282	601	379	0	69	:	:	:	0	1 332
Textiles & leather products	129	1 361	21	0	42	:	:	:	10	1 563
Wood and wood products	67	3	246	0	15	:	:	:	0	331
Pulp, paper products; publishing & printing	2 722	3 503	720	28	13	:	:	:	219	7 205
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	0	0	:	:	:	0	0
Chemicals, rubber & plastics	686	337	209	31	0	:	:	:	24	1 287
Other non-metallic mineral products	295	58	4	0	244	:	:	:	0	602
Basic metals	0	35	0	0	0	:	:	:	0	35
Fabricated metal products	765	33	13	0	105	:	:	:	2	918
Machinery and equipment	2 875	266	678	10	148	:	:	:	37	4 014
Electricity, gas, steam & hot water supply	0	0	0	0	0	:	:	:	0	0
Collection, purification & distrib. of water	372	0	0	0	0	:	:	:	0	372
<b>2. CURRENT EXPENDITURE</b>	3 707	8 530	6 639	688	81	:	:	:	862	20 507
Mining and quarrying	21	186	35	111	7	:	:	:	350	711
Food products; beverages & tobacco	891	933	728	120	12	:	:	:	46	2 730
Textiles & leather products	60	882	1 255	0	7	:	:	:	33	2 238
Wood and wood products	88	208	197	0	6	:	:	:	0	498
Pulp, paper products; publishing & printing	307	2 410	529	1	10	:	:	:	10	3 266
Coke, ref. petroleum prod. & nuclear fuel	37	1 179	65	0	0	:	:	:	0	1 280
Chemicals, rubber & plastics	160	756	1 327	25	6	:	:	:	279	2 553
Other non-metallic mineral products	354	170	1 130	397	11	:	:	:	5	2 067
Basic metals	0	96	28	0	0	:	:	:	0	124
Fabricated metal products	296	98	72	3	2	:	:	:	2	472
Machinery and equipment	120	557	536	17	16	:	:	:	120	1 365
Electricity, gas, steam & hot water supply	1 354	1 055	736	15	5	:	:	:	18	3 183
Collection, purification & distrib. of water	19	0	2	0	0	:	:	:	0	21
<b>2.1 Internal current expenditure</b>	3 202	5 624	2 752	451	39	:	:	:	652	12 720
Mining and quarrying	21	154	0	49	3	:	:	:	211	439
Food products; beverages & tobacco	877	767	341	9	7	:	:	:	14	2 015
Textiles & leather products	26	336	1 053	0	0	:	:	:	23	1 438
Wood and wood products	88	152	113	0	6	:	:	:	0	359
Pulp, paper products; publishing & printing	291	2 115	125	0	10	:	:	:	8	2 549
Coke, ref. petroleum prod. & nuclear fuel	31	518	0	0	0	:	:	:	0	550
Chemicals, rubber & plastics	88	670	851	3	3	:	:	:	276	1 890
Other non-metallic mineral products	333	147	139	388	5	:	:	:	0	1 012
Basic metals	0	70	12	0	0	:	:	:	0	82
Fabricated metal products	289	40	3	0	2	:	:	:	0	334
Machinery and equipment	16	386	116	3	5	:	:	:	118	644
Electricity, gas, steam & hot water supply	1 121	268	0	0	0	:	:	:	3	1 392
Collection, purification & distrib. of water	19	0	0	0	0	:	:	:	0	19

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

# Environmental Protection Expenditure by Industry

[1000 ECU]

## Portugal

-1994

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Developm.	Other Activities	Total
<b>2.2 External current expenditure</b>	505	2 906	3 887	237	42	:	:	:	210	7 787
Mining and quarrying	0	31	35	62	4	:	:	:	139	272
Food products; beverages & tobacco	14	166	388	112	5	:	:	:	32	716
Textiles & leather products	35	546	202	0	7	:	:	:	10	800
Wood and wood products	0	56	84	0	0	:	:	:	0	140
Pulp, paper products; publishing & printing	16	295	404	1	0	:	:	:	2	718
Coke, ref. petroleum prod. & nuclear fuel	5	661	65	0	0	:	:	:	0	730
Chemicals, rubber & plastics	72	86	476	22	3	:	:	:	3	663
Other non-metallic mineral products	21	23	991	9	7	:	:	:	5	1 055
Basic metals	0	26	16	0	0	:	:	:	16	42
Fabricated metal products	6	57	70	3	1	:	:	:	2	138
Machinery and equipment	104	170	420	14	11	:	:	:	2	721
Electricity, gas, steam & hot water supply	232	788	736	15	5	:	:	:	15	1 792
Collection, purification & distrib. of water	0	0	2	0	0	:	:	:	0	2
<b>3. OPERATIONAL BENEFITS</b>	3 641	496	13 707	191	0	:	:	:	0	18 035
Mining and quarrying	0	406	236	0	0	:	:	:	0	642
Food products; beverages & tobacco	725	30	772	5	0	:	:	:	0	1 532
Textiles & leather products	72	0	647	0	0	:	:	:	0	719
Wood and wood products	9	0	8	0	0	:	:	:	0	17
Pulp, paper products; publishing & printing	0	2	2 408	0	0	:	:	:	0	2 409
Coke, ref. petroleum prod. & nuclear fuel	0	14	12	0	0	:	:	:	0	26
Chemicals, rubber & plastics	8	0	2 596	0	0	:	:	:	0	2 604
Other non-metallic mineral products	0	44	4 128	186	0	:	:	:	0	4 359
Basic metals	0	0	181	0	0	:	:	:	0	181
Fabricated metal products	0	0	49	0	0	:	:	:	0	49
Machinery and equipment	0	0	2 670	0	0	:	:	:	0	2 670
Electricity, gas, steam & hot water supply	2 809	0	0	0	0	:	:	:	0	2 809
Collection, purification & distrib. of water	18	0	0	0	0	:	:	:	0	18
<b>3.1 Sales of related goods &amp; services</b>	3 621	5	8 308	5	0	:	:	:	0	11 940
Mining and quarrying	0	0	236	0	0	:	:	:	0	236
Food products; beverages & tobacco	725	3	759	5	0	:	:	:	0	1 492
Textiles & leather products	72	0	647	0	0	:	:	:	0	719
Wood and wood products	8	0	1	0	0	:	:	:	0	9
Pulp, paper products; publishing & printing	0	0	2 408	0	0	:	:	:	0	2 408
Coke, ref. petroleum prod. & nuclear fuel	0	0	12	0	0	:	:	:	0	12
Chemicals, rubber & plastics	8	0	1 138	0	0	:	:	:	0	1 146
Other non-metallic mineral products	0	2	664	0	0	:	:	:	0	666
Basic metals	0	0	133	0	0	:	:	:	0	133
Fabricated metal products	0	0	49	0	0	:	:	:	0	49
Machinery and equipment	0	0	2 263	0	0	:	:	:	0	2 263
Electricity, gas, steam & hot water supply	2 809	0	0	0	0	:	:	:	0	2 809
Collection, purification & distrib. of water	0	0	0	0	0	:	:	:	0	0
<b>3.2 Saving/Costs offsets</b>	19	491	5 398	186	0	:	:	:	0	6 095
Mining and quarrying	0	406	0	0	0	:	:	:	0	406
Food products; beverages & tobacco	0	27	14	0	0	:	:	:	0	41
Textiles & leather products	1	0	0	0	0	:	:	:	0	1
Wood and wood products	1	0	7	0	0	:	:	:	0	8
Pulp, paper products; publishing & printing	0	2	0	0	0	:	:	:	0	2
Coke, ref. petroleum prod. & nuclear fuel	0	14	0	0	0	:	:	:	0	14
Chemicals, rubber & plastics	0	0	1 458	0	0	:	:	:	0	1 458
Other non-metallic mineral products	0	42	3 464	186	0	:	:	:	0	3 693
Basic metals	0	0	48	0	0	:	:	:	0	48
Fabricated metal products	0	0	0	0	0	:	:	:	0	0
Machinery and equipment	0	0	407	0	0	:	:	:	0	407
Electricity, gas, steam & hot water supply	0	0	0	0	0	:	:	:	0	0
Collection, purification & distrib. of water	18	0	0	0	0	:	:	:	0	18
<b>4. LABOUR INPUTS</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Portugal

-1995

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	54 695	20 420	9 499	626	1 336	:	:	:	2 557	89 132
Mining and quarrying	68	314	0	0	11	:	:	:	120	513
Food products; beverages & tobacco	992	4 717	1 571	38	296	:	:	:	839	8 453
Textiles & leather products	1 364	3 043	480	0	87	:	:	:	101	5 074
Wood and wood products	686	88	641	8	55	:	:	:	0	1 479
Pulp, paper products; publishing & printing	6 589	5 265	1 792	74	198	:	:	:	375	14 293
Coke, ref. petroleum prod. & nuclear fuel	16 539	123	0	0	0	:	:	:	0	16 662
Chemicals, rubber & plastics	939	1 468	1 306	233	14	:	:	:	24	3 985
Other non-metallic mineral products	3 554	469	364	102	273	:	:	:	229	4 992
Basic metals	569	188	1	0	0	:	:	:	0	757
Fabricated metal products	1 728	481	46	0	185	:	:	:	5	2 445
Machinery and equipment	9 501	2 888	2 166	170	217	:	:	:	863	15 805
Electricity, gas, steam & hot water supply	11 771	1 377	1 107	0	0	:	:	:	0	14 255
Collection, purification & distrib. of water	395	0	25	0	0	:	:	:	0	420
<b>1.1 End-of-pipe</b>	46 443	14 198	7 220	556	697	:	:	:	2 264	71 378
Mining and quarrying	43	314	0	0	11	:	:	:	120	488
Food products; beverages & tobacco	708	4 114	1 190	38	227	:	:	:	839	7 116
Textiles & leather products	1 234	1 677	458	0	45	:	:	:	91	3 505
Wood and wood products	619	85	395	8	40	:	:	:	0	1 147
Pulp, paper products; publishing & printing	3 856	1 747	1 070	46	185	:	:	:	156	7 059
Coke, ref. petroleum prod. & nuclear fuel	16 539	123	0	0	0	:	:	:	0	16 662
Chemicals, rubber & plastics	251	1 129	1 096	202	14	:	:	:	0	2 692
Other non-metallic mineral products	3 258	410	360	102	28	:	:	:	229	4 387
Basic metals	569	153	1	0	0	:	:	:	0	723
Fabricated metal products	959	448	33	0	80	:	:	:	3	1 523
Machinery and equipment	6 615	2 621	1 485	160	68	:	:	:	826	11 775
Electricity, gas, steam & hot water supply	11 771	1 377	1 107	0	0	:	:	:	0	14 255
Collection, purification & distrib. of water	21	0	25	0	0	:	:	:	0	46
<b>1.2 Integrated technologies</b>	8 251	6 222	2 279	69	639	:	:	:	293	17 754
Mining and quarrying	25	0	0	0	0	:	:	:	0	25
Food products; beverages & tobacco	284	603	381	0	69	:	:	:	0	1 337
Textiles & leather products	130	1 366	21	0	42	:	:	:	10	1 569
Wood and wood products	67	3	247	0	15	:	:	:	0	332
Pulp, paper products; publishing & printing	2 733	3 518	723	28	13	:	:	:	220	7 234
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	0	0	:	:	:	0	0
Chemicals, rubber & plastics	688	339	210	31	0	:	:	:	24	1 292
Other non-metallic mineral products	296	59	4	0	245	:	:	:	0	604
Basic metals	0	35	0	0	0	:	:	:	0	35
Fabricated metal products	768	33	13	0	106	:	:	:	2	922
Machinery and equipment	2 886	267	681	10	149	:	:	:	37	4 030
Electricity, gas, steam & hot water supply	0	0	0	0	0	:	:	:	0	0
Collection, purification & distrib. of water	374	0	0	0	0	:	:	:	0	374
<b>2. CURRENT EXPENDITURE</b>	3 722	8 565	6 666	691	81	:	:	:	865	20 590
Mining and quarrying	21	187	35	112	7	:	:	:	352	713
Food products; beverages & tobacco	894	937	731	121	12	:	:	:	46	2 741
Textiles & leather products	61	886	1 260	0	7	:	:	:	33	2 247
Wood and wood products	88	209	197	0	6	:	:	:	0	500
Pulp, paper products; publishing & printing	309	2 420	531	1	10	:	:	:	10	3 279
Coke, ref. petroleum prod. & nuclear fuel	37	1 184	65	0	0	:	:	:	0	1 285
Chemicals, rubber & plastics	161	759	1 332	25	6	:	:	:	280	2 563
Other non-metallic mineral products	355	171	1 135	398	11	:	:	:	5	2 075
Basic metals	0	96	28	0	0	:	:	:	0	124
Fabricated metal products	297	98	72	3	2	:	:	:	2	474
Machinery and equipment	120	559	538	17	16	:	:	:	120	1 371
Electricity, gas, steam & hot water supply	1 359	1 060	739	15	5	:	:	:	18	3 196
Collection, purification & distrib. of water	19	0	2	0	0	:	:	:	0	21
<b>2.1 Internal current expenditure</b>	3 215	5 647	2 763	453	39	:	:	:	654	12 771
Mining and quarrying	21	155	0	49	3	:	:	:	212	441
Food products; beverages & tobacco	881	771	342	9	7	:	:	:	14	2 023
Textiles & leather products	26	337	1 058	0	0	:	:	:	23	1 444
Wood and wood products	88	153	113	0	6	:	:	:	0	360
Pulp, paper products; publishing & printing	292	2 124	125	0	10	:	:	:	8	2 559
Coke, ref. petroleum prod. & nuclear fuel	32	520	0	0	0	:	:	:	0	552
Chemicals, rubber & plastics	89	673	854	3	3	:	:	:	277	1 897
Other non-metallic mineral products	334	148	140	390	5	:	:	:	0	1 016
Basic metals	0	70	12	0	0	:	:	:	0	82
Fabricated metal products	291	40	3	0	2	:	:	:	0	335
Machinery and equipment	16	388	116	3	5	:	:	:	118	647
Electricity, gas, steam & hot water supply	1 126	269	0	0	0	:	:	:	3	1 397
Collection, purification & distrib. of water	19	0	0	0	0	:	:	:	0	19

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Portugal

-1995

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Developm.	Other Activities	Total
<b>2.2 External current expenditure</b>	507	2 918	3 903	238	42	:	:	:	211	7 819
Mining and quarrying	0	32	35	62	4	:	:	:	140	273
Food products; beverages & tobacco	14	167	389	112	5	:	:	:	32	718
Textiles & leather products	35	549	202	0	7	:	:	:	10	803
Wood and wood products	0	56	84	0	0	:	:	:	0	140
Pulp, paper products; publishing & printing	16	296	405	1	0	:	:	:	2	721
Coke, ref. petroleum prod. & nuclear fuel	5	663	65	0	0	:	:	:	0	733
Chemicals, rubber & plastics	72	86	478	22	3	:	:	:	3	665
Other non-metallic mineral products	21	23	995	9	7	:	:	:	5	1 059
Basic metals	0	27	16	0	0	:	:	:	0	42
Fabricated metal products	6	58	70	3	1	:	:	:	2	139
Machinery and equipment	104	171	422	14	11	:	:	:	2	724
Electricity, gas, steam & hot water supply	233	791	739	15	5	:	:	:	15	1 799
Collection, purification & distrib. of water	0	0	2	0	0	:	:	:	0	2
<b>3. OPERATIONAL BENEFITS</b>	3 655	498	13 762	192	0	:	:	:	0	18 108
Mining and quarrying	0	408	237	0	0	:	:	:	0	645
Food products; beverages & tobacco	728	30	776	5	0	:	:	:	0	1 538
Textiles & leather products	72	0	650	0	0	:	:	:	0	722
Wood and wood products	9	0	8	0	0	:	:	:	0	17
Pulp, paper products; publishing & printing	0	2	2 418	0	0	:	:	:	0	2 419
Coke, ref. petroleum prod. & nuclear fuel	0	14	12	0	0	:	:	:	0	26
Chemicals, rubber & plastics	8	0	2 607	0	0	:	:	:	0	2 615
Other non-metallic mineral products	0	44	4 145	187	0	:	:	:	0	4 376
Basic metals	0	0	182	0	0	:	:	:	0	182
Fabricated metal products	0	0	49	0	0	:	:	:	0	49
Machinery and equipment	0	0	2 681	0	0	:	:	:	0	2 681
Electricity, gas, steam & hot water supply	2 820	0	0	0	0	:	:	:	0	2 820
Collection, purification & distrib. of water	18	0	0	0	0	:	:	:	0	18
<b>3.1 Sales of related goods &amp; services</b>	3 636	5	8 342	5	0	:	:	:	0	11 988
Mining and quarrying	0	0	237	0	0	:	:	:	0	237
Food products; beverages & tobacco	728	3	762	5	0	:	:	:	0	1 498
Textiles & leather products	72	0	650	0	0	:	:	:	0	722
Wood and wood products	8	0	1	0	0	:	:	:	0	9
Pulp, paper products; publishing & printing	0	0	2 418	0	0	:	:	:	0	2 418
Coke, ref. petroleum prod. & nuclear fuel	0	0	12	0	0	:	:	:	0	12
Chemicals, rubber & plastics	8	0	1 143	0	0	:	:	:	0	1 151
Other non-metallic mineral products	0	2	666	0	0	:	:	:	0	669
Basic metals	0	0	134	0	0	:	:	:	0	134
Fabricated metal products	0	0	49	0	0	:	:	:	0	49
Machinery and equipment	0	0	2 272	0	0	:	:	:	0	2 272
Electricity, gas, steam & hot water supply	2 820	0	0	0	0	:	:	:	0	2 820
Collection, purification & distrib. of water	0	0	0	0	0	:	:	:	0	0
<b>3.2 Saving/Costs offsets</b>	19	493	5 420	187	0	:	:	:	0	6 120
Mining and quarrying	0	408	0	0	0	:	:	:	0	408
Food products; beverages & tobacco	0	27	14	0	0	:	:	:	0	41
Textiles & leather products	1	0	0	0	0	:	:	:	0	1
Wood and wood products	1	0	7	0	0	:	:	:	0	8
Pulp, paper products; publishing & printing	0	2	0	0	0	:	:	:	0	2
Coke, ref. petroleum prod. & nuclear fuel	0	14	0	0	0	:	:	:	0	14
Chemicals, rubber & plastics	0	0	1 464	0	0	:	:	:	0	1 464
Other non-metallic mineral products	0	42	3 478	187	0	:	:	:	0	3 708
Basic metals	0	0	48	0	0	:	:	:	0	48
Fabricated metal products	0	0	0	0	0	:	:	:	0	0
Machinery and equipment	0	0	409	0	0	:	:	:	0	409
Electricity, gas, steam & hot water supply	0	0	0	0	0	:	:	:	0	0
Collection, purification & distrib. of water	18	0	0	0	0	:	:	:	0	18
<b>4. LABOUR INPUTS</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

# Environmental Protection Expenditure by Industry

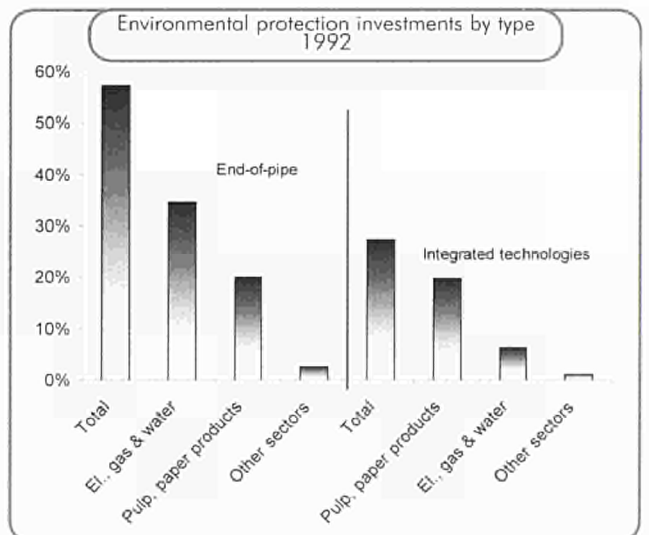
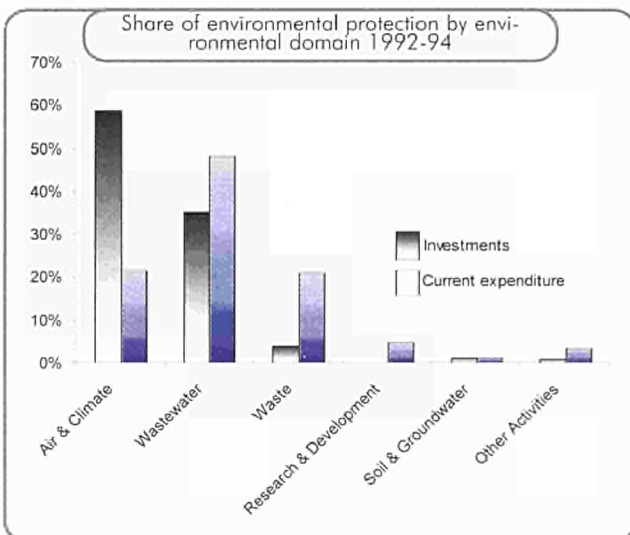
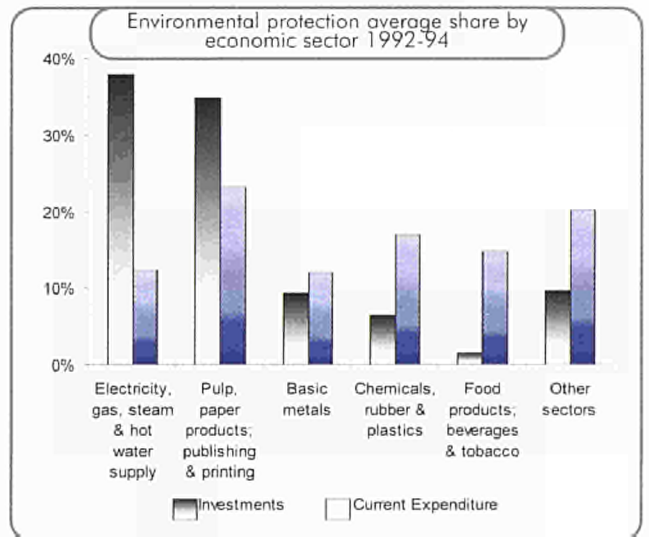
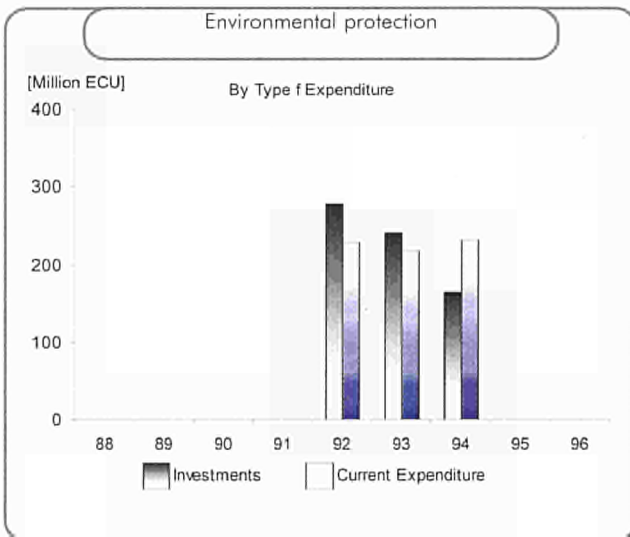
## Finland

The environmental protection expenditure investments by industry in Finland decreased from ECU 278 million in 1992 to ECU 241 million in 1993 (down 13%). This trend continued in 1994 when investments came down to ECU 165 million (-32%) and were surpassed by environmental protection current expenditure. The current expenditure kept steady around ECU 230 million during these three years.

Two economic sectors played a major part of environmental protection investment expenditure: an average of 38% went to "Electricity, gas, steam & hot water supply" during the 1992 to 1994 period and 35% to "Pulp, paper products; publishing & printing". For current expenditure the largest players were: "Pulp, paper products; publishing & printing" with 23%, "Chemicals, rubber & plastics" with 17% and "Food products; beverages & tobacco" with 15%.

Two environmental domains dominate investments: "Air & climate" which attracted the majority (average 59% during 1992 to 1994) and "Wastewater" with a relatively large share (35%). For current expenditure three environmental domains are outstanding: "Wastewater" with 48%, "Air & climate" with 22% and "Waste" with 21%.

Investments of end-of-pipe type had the largest share (57%) during the 1992 to 1994 period. About 35% of investments went to end-of-pipe in "Electricity, gas, steam & hot water supply" and 20% went to end-of-pipe in "Pulp, paper products; publishing & printing". The biggest integrated technologies economic sector was "Pulp, paper products; publishing & printing" attracting 20% of investments.



# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Finland

-1992

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
<b>1. INVESTMENTS</b>	165 815	94 459	12 313	3 998	:	:	:	:	1 552	278 137
Mining and quarrying	163	1 402	310	0	:	:	:	:	8	1 883
Food products; beverages & tobacco	2 229	1 873	428	82	:	:	:	:	175	4 787
Textiles & leather products	1	565	55	0	:	:	:	:	0	621
Wood and wood products	229	26	59	23	:	:	:	:	44	380
Pulp, paper products; publishing & printing	:	72 160	4 214	98	:	:	:	:	281	76 752
Coke, ref. petroleum prod. & nuclear fuel	2 580	1 703	39	1 184	:	:	:	:	46	5 552
Chemicals, rubber & plastics	10 901	6 102	3 437	1 594	:	:	:	:	232	22 267
Other non-metallic mineral products	292	103	268	0	:	:	:	:	2	666
Basic metals	35 732	1 409	1 243	170	:	:	:	:	5	38 560
Fabricated metal products	144	89	7	362	:	:	:	:	6	608
Machinery and equipment	1 195	7 981	2 191	44	:	:	:	:	26	11 438
Electricity, gas, steam & hot water supply	112 347	1 045	63	442	:	:	:	:	726	114 622
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	105 986	53 286	:	:	:	:	:	:	448	159 720
Mining and quarrying	139	1 390	:	:	:	:	:	:	:	1 529
Food products; beverages & tobacco	1 123	1 337	:	:	:	:	:	:	:	2 460
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	182	0	:	:	:	:	:	:	:	182
Pulp, paper products; publishing & printing	7 446	48 388	:	:	:	:	:	:	:	55 833
Coke, ref. petroleum prod. & nuclear fuel	1 650	1 157	:	:	:	:	:	:	:	2 807
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	152	95	:	:	:	:	:	:	:	247
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	95 295	919	:	:	:	:	:	:	448	96 661
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	50 649	25 038	:	:	:	:	:	:	278	75 966
Mining and quarrying	23	13	:	:	:	:	:	:	:	36
Food products; beverages & tobacco	1 106	547	:	:	:	:	:	:	:	1 653
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	47	26	:	:	:	:	:	:	:	73
Pulp, paper products; publishing & printing	31 350	23 772	:	:	:	:	:	:	:	55 122
Coke, ref. petroleum prod. & nuclear fuel	930	546	:	:	:	:	:	:	:	1 476
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	141	8	:	:	:	:	:	:	:	149
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	17 053	126	:	:	:	:	:	:	278	17 457
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	41 247	116 282	46 464	4 738	:	:	:	12 531	6 262	227 524
Mining and quarrying	458	2 345	1 002	59	:	:	:	61	137	4 062
Food products; beverages & tobacco	1 529	34 471	5 172	2 941	:	:	:	290	71	44 475
Textiles & leather products	526	2 521	874	1	:	:	:	2	1	3 926
Wood and wood products	70	555	1 621	4	:	:	:	122	17	2 390
Pulp, paper products; publishing & printing	2 711	36 009	7 687	185	:	:	:	2 079	963	49 633
Coke, ref. petroleum prod. & nuclear fuel	3 254	4 565	1 100	23	:	:	:	75	54	9 071
Chemicals, rubber & plastics	9 009	17 773	9 963	815	:	:	:	4 662	1 018	43 240
Other non-metallic mineral products	1 108	1 315	1 628	291	:	:	:	12	75	4 428
Basic metals	8 530	7 805	6 385	155	:	:	:	1 204	1 412	25 491
Fabricated metal products	22	934	1 637	0	:	:	:	64	9	2 665
Machinery and equipment	826	4 805	6 357	2	:	:	:	322	158	12 470
Electricity, gas, steam & hot water supply	13 204	3 183	3 038	263	:	:	:	3 639	2 346	25 673
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

For Other environmental protection activities: Noise, biodiversity, administration, monitoring not allocated. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

# Environmental Protection Expenditure by Industry

[1000 ECU]

## Finland

-1993

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	152 653	78 625	5 551	2 895	:	:	:	:	1 222	240 946
Mining and quarrying	157	936	311	316	:	:	:	:	48	1 769
Food products; beverages & tobacco	568	1 647	284	7	:	:	:	:	29	2 535
Textiles & leather products	0	245	12	45	:	:	:	:	0	301
Wood and wood products	527	199	29	14	:	:	:	:	0	769
Pulp, paper products; publishing & printing	16 895	66 327	2 036	408	:	:	:	:	22	85 689
Coke, ref. petroleum prod. & nuclear fuel	19 317	606	174	12	:	:	:	:	0	20 109
Chemicals, rubber & plastics	3 989	4 638	1 070	1 240	:	:	:	:	33	10 971
Other non-metallic mineral products	1 004	172	13	124	:	:	:	:	2	1 314
Basic metals	5 189	917	451	182	:	:	:	:	10	6 750
Fabricated metal products	291	396	43	264	:	:	:	:	0	994
Machinery and equipment	473	261	219	79	:	:	:	:	54	1 085
Electricity, gas, steam & hot water supply	104 243	2 282	908	202	:	:	:	:	1 024	108 659
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	52 598	99 832	46 926	1 596	:	:	:	9 383	6 113	216 448
Mining and quarrying	290	2 764	237	33	:	:	:	94	362	3 780
Food products; beverages & tobacco	298	18 387	7 161	13	:	:	:	100	218	26 178
Textiles & leather products	361	4 055	1 403	3	:	:	:	11	3	5 836
Wood and wood products	196	880	1 820	142	:	:	:	40	31	3 109
Pulp, paper products; publishing & printing	3 063	32 849	7 318	209	:	:	:	1 213	1 036	45 687
Coke, ref. petroleum prod. & nuclear fuel	14 100	3 666	698	6	:	:	:	15	446	18 931
Chemicals, rubber & plastics	7 424	17 786	8 997	674	:	:	:	2 305	1 055	38 241
Other non-metallic mineral products	932	1 508	2 130	93	:	:	:	248	164	5 074
Basic metals	6 304	9 603	6 024	46	:	:	:	608	1 256	23 842
Fabricated metal products	88	849	2 509	292	:	:	:	964	13	4 716
Machinery and equipment	613	4 500	6 141	21	:	:	:	168	452	11 895
Electricity, gas, steam & hot water supply	18 930	2 984	2 487	64	:	:	:	3 618	1 077	29 160
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

For Other environmental protection activities: Noise, biodiversity, administration, monitoring not allocated. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.



# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### Finland

-1994

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev'tment	Other Activities	Total
<b>1. INVESTMENTS</b>	83 113	68 071	8 801	1 625	:	:	:	:	2 979	164 589
Mining and quarrying	395	2 002	41	134	:	:	:	:	126	2 699
Food products; beverages & tobacco	1 279	1 944	59	192	:	:	:	:	24	3 498
Textiles & leather products	0	194	21	0	:	:	:	:	0	215
Wood and wood products	1 160	867	196	115	:	:	:	:	537	2 876
Pulp, paper products; publishing & printing	18 132	53 765	3 677	217	:	:	:	:	558	76 349
Coke, ref. petroleum prod. & nuclear fuel	5 698	517	0	145	:	:	:	:	26	6 386
Chemicals, rubber & plastics	6 745	3 188	701	382	:	:	:	:	25	11 040
Other non-metallic mineral products	472	6	334	0	:	:	:	:	0	811
Basic metals	14 200	4 203	355	141	:	:	:	:	131	19 032
Fabricated metal products	46	171	2 324	11	:	:	:	:	0	2 552
Machinery and equipment	1 923	334	324	0	:	:	:	:	573	3 155
Electricity, gas, steam & hot water supply	33 061	880	768	288	:	:	:	:	979	35 976
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.1 End-of-pipe</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>1.2 Integrated technologies</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2. CURRENT EXPENDITURE</b>	51 908	108 303	47 483	2 013	:	:	:	10 490	10 769	230 966
Mining and quarrying	368	2 507	309	537	:	:	:	60	339	4 120
Food products; beverages & tobacco	433	23 499	5 122	158	:	:	:	475	101	29 787
Textiles & leather products	451	2 908	782	0	:	:	:	39	1	4 182
Wood and wood products	430	1 552	2 240	163	:	:	:	78	32	4 496
Pulp, paper products; publishing & printing	5 082	41 719	10 749	538	:	:	:	1 650	2 218	61 957
Coke, ref. petroleum prod. & nuclear fuel	7 189	2 441	737	22	:	:	:	0	922	11 310
Chemicals, rubber & plastics	6 972	15 865	7 649	158	:	:	:	2 157	1 011	33 813
Other non-metallic mineral products	872	952	2 242	28	:	:	:	272	21	4 387
Basic metals	12 493	8 793	7 444	60	:	:	:	2 210	1 172	32 173
Fabricated metal products	81	1 544	1 353	136	:	:	:	81	8	3 203
Machinery and equipment	1 442	3 955	5 883	125	:	:	:	628	58	12 089
Electricity, gas, steam & hot water supply	16 094	2 568	2 971	88	:	:	:	2 841	4 886	29 448
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>2.1 Internal current expenditure</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

For Other environmental protection activities: Noise, biodiversity, administration, monitoring not allocated. Due to rounding after currency conversion, aggregates may not reflect the sum of their parts.

## Environmental Protection Expenditure by Industry

### United Kingdom

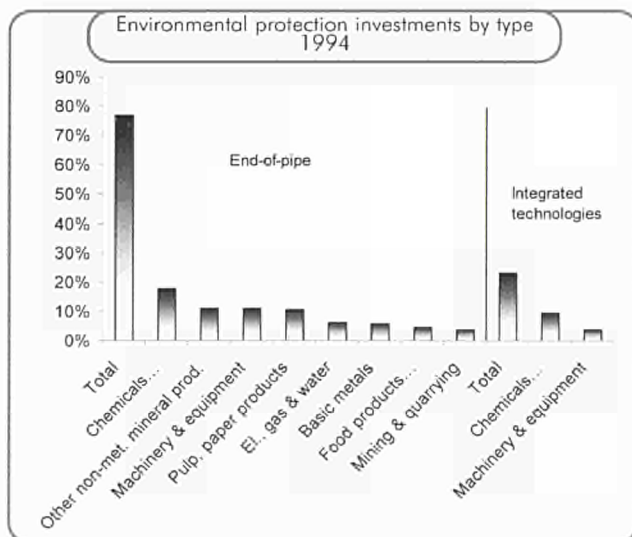
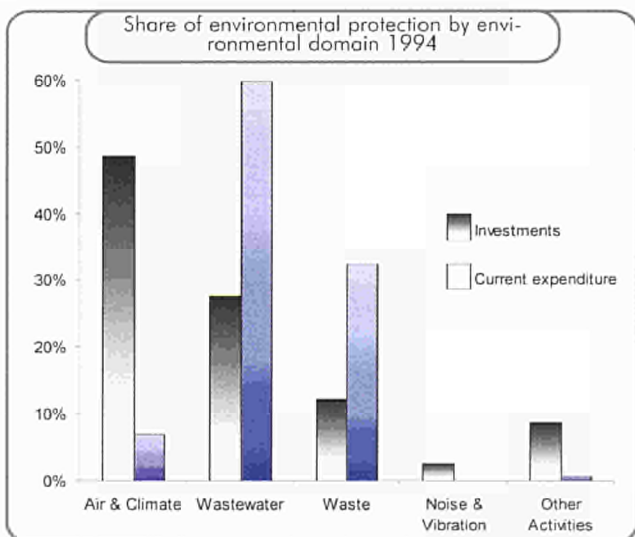
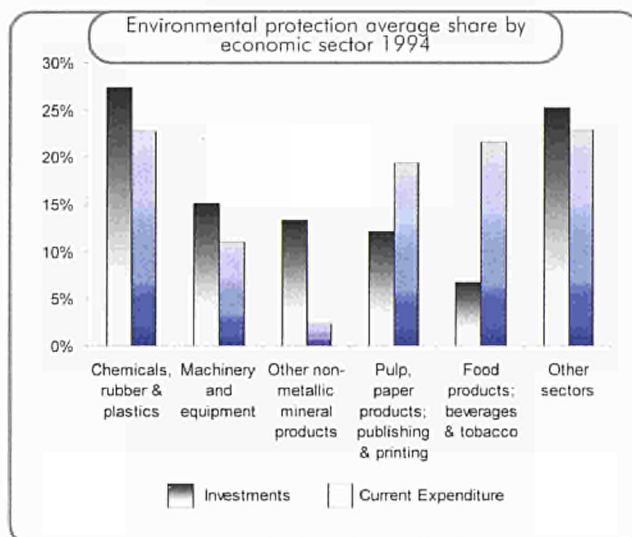
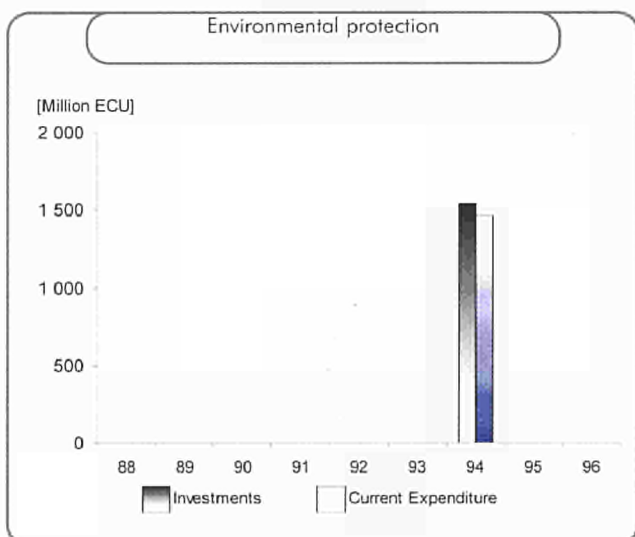
In 1994, environmental protection investment expenditure by industry in the United Kingdom was 6% larger than current expenditure.

Of the ECU 1.5 bn environmental protection investments, some 27% went to "Chemicals, rubber & plastics", 15% to "Machinery & equipment", 13% to "Other non-metallic mineral products" and 12% to "Pulp, paper products; publishing & printing". For current expenditure the biggest sector was "Chemicals, rubber & plastics" with 23% followed by "Food products; beverages & tobacco" with 22% and "Pulp, paper products; publishing & printing" with 19%.

The outstanding current expenditure environmental domain was "Wastewater" (60%), where external current expenditure in "Food products; beverages & tobacco" represented ECU 200 million (14% of total current expenditure) and internal current expenditure

in "Pulp, paper products; publishing & printing" amounted to 190 million (13%). The second domain was "Waste" with 32% mainly distributed in several sectors of external current expenditure. The biggest investments domain was "Air & climate" accounting for 49% followed by "Wastewater" with 28%.

"End-of-pipe" type dominated (77%) investments and were mainly (51%) distributed in four sectors. The biggest among them was "Chemicals, rubber & plastics" with 18% and the other three: "Other non-metallic mineral products", "Machinery & equipment" and "Pulp, paper products; publishing & printing" with 11% each. "Chemicals, rubber & plastics" was also the biggest "integrated technologies" sector with 10% of total investments.



# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### United Kingdom

-1994

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Dev't	Other Activities	Total
<b>1. INVESTMENTS</b>	752 671	429 177	189 457	:	38 665	:	:	:	135 326	1 545 296
Mining and quarrying	16 755	36 087	1 289	:	1 289	:	:	:	0	55 419
Food products; beverages & tobacco	46 398	41 242	7 733	:	7 733	:	:	:	0	103 106
Textiles & leather products	6 444	18 043	5 155	:	5 155	:	:	:	0	34 798
Wood and wood products	7 733	0	0	:	0	:	:	:	0	7 733
Pulp, paper products; publishing & printing	52 842	95 373	36 087	:	1 289	:	:	:	2 578	188 168
Coke, ref. petroleum prod. & nuclear fuel	2 578	0	0	:	0	:	:	:	0	2 578
Chemicals, rubber & plastics	163 680	150 792	48 975	:	2 578	:	:	:	57 997	424 022
Other non-metallic mineral products	150 792	14 177	39 953	:	1 289	:	:	:	0	206 211
Basic metals	67 019	10 311	25 776	:	1 289	:	:	:	1 289	105 683
Fabricated metal products	34 798	5 155	5 155	:	5 155	:	:	:	2 578	52 842
Machinery and equipment	123 727	16 755	11 599	:	10 311	:	:	:	70 885	233 277
Electricity, gas, steam & hot water supply	79 907	20 621	0	:	2 578	:	:	:	0	103 106
Collection, purification & distrib. of water	0	20 621	7 733	:	0	:	:	:	0	28 354
<b>1.1 End-of-pipe</b>	543 882	393 090	141 770	:	29 643	:	:	:	81 196	1 189 582
Mining and quarrying	16 755	36 087	1 289	:	1 289	:	:	:	0	55 419
Food products; beverages & tobacco	21 910	38 665	3 866	:	3 866	:	:	:	0	68 308
Textiles & leather products	3 866	16 755	3 866	:	5 155	:	:	:	0	29 643
Wood and wood products	2 578	0	0	:	0	:	:	:	0	2 578
Pulp, paper products; publishing & printing	34 798	91 506	36 087	:	1 289	:	:	:	2 578	166 258
Coke, ref. petroleum prod. & nuclear fuel	2 578	0	0	:	0	:	:	:	0	2 578
Chemicals, rubber & plastics	92 795	127 593	45 109	:	1 289	:	:	:	7 733	274 519
Other non-metallic mineral products	130 171	14 177	28 354	:	1 289	:	:	:	0	173 991
Basic metals	65 730	10 311	10 311	:	1 289	:	:	:	1 289	88 929
Fabricated metal products	20 621	5 155	0	:	3 866	:	:	:	0	29 643
Machinery and equipment	76 040	12 888	7 733	:	7 733	:	:	:	69 596	173 991
Electricity, gas, steam & hot water supply	76 040	19 332	0	:	2 578	:	:	:	0	97 950
Collection, purification & distrib. of water	0	20 621	5 155	:	0	:	:	:	0	25 776
<b>1.2 Integrated technologies</b>	208 789	36 087	47 686	:	9 022	:	:	:	54 130	355 715
Mining and quarrying	0	0	0	:	0	:	:	:	0	0
Food products; beverages & tobacco	24 488	2 578	3 866	:	3 866	:	:	:	0	34 798
Textiles & leather products	2 578	1 289	1 289	:	0	:	:	:	0	5 155
Wood and wood products	5 155	0	0	:	0	:	:	:	0	5 155
Pulp, paper products; publishing & printing	18 043	3 866	0	:	0	:	:	:	0	21 910
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	:	0	:	:	:	0	0
Chemicals, rubber & plastics	70 885	23 199	3 866	:	1 289	:	:	:	50 264	149 503
Other non-metallic mineral products	20 621	0	11 599	:	0	:	:	:	0	32 221
Basic metals	1 289	0	15 466	:	0	:	:	:	0	16 755
Fabricated metal products	14 177	0	5 155	:	1 289	:	:	:	2 578	23 199
Machinery and equipment	47 686	3 866	3 866	:	2 578	:	:	:	1 289	59 286
Electricity, gas, steam & hot water supply	3 866	1 289	0	:	0	:	:	:	0	5 155
Collection, purification & distrib. of water	0	0	2 578	:	0	:	:	:	0	2 578
<b>2. CURRENT EXPENDITURE</b>	101 817	875 109	475 575	:	1 289	:	:	:	10 311	1 464 101
Mining and quarrying	0	2 578	0	:	0	:	:	:	0	2 578
Food products; beverages & tobacco	7 733	238 432	69 596	:	1 289	:	:	:	0	317 050
Textiles & leather products	0	56 708	54 130	:	0	:	:	:	0	110 839
Wood and wood products	0	0	3 866	:	0	:	:	:	0	3 866
Pulp, paper products; publishing & printing	0	208 789	72 174	:	0	:	:	:	2 578	283 541
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	:	0	:	:	:	0	0
Chemicals, rubber & plastics	43 820	188 168	101 817	:	0	:	:	:	0	333 805
Other non-metallic mineral products	5 155	2 578	25 776	:	0	:	:	:	0	33 509
Basic metals	39 953	10 311	11 599	:	0	:	:	:	1 289	63 152
Fabricated metal products	2 578	9 022	21 910	:	0	:	:	:	0	33 509
Machinery and equipment	2 578	86 351	65 730	:	0	:	:	:	6 444	161 103
Electricity, gas, steam & hot water supply	0	47 686	46 398	:	0	:	:	:	0	94 084
Collection, purification & distrib. of water	0	24 488	2 578	:	0	:	:	:	0	27 065
<b>2.1 Internal current expenditure</b>	101 817	502 640	6 444	:	1 289	:	:	:	10 311	622 500
Mining and quarrying	0	2 578	0	:	0	:	:	:	0	2 578
Food products; beverages & tobacco	7 733	38 665	0	:	1 289	:	:	:	0	47 686
Textiles & leather products	0	14 177	0	:	0	:	:	:	0	14 177
Wood and wood products	0	0	0	:	0	:	:	:	0	0
Pulp, paper products; publishing & printing	0	190 745	1 289	:	0	:	:	:	2 578	194 612
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	:	0	:	:	:	0	0
Chemicals, rubber & plastics	43 820	148 214	3 866	:	0	:	:	:	0	195 901
Other non-metallic mineral products	5 155	0	0	:	0	:	:	:	0	5 155
Basic metals	39 953	2 578	0	:	0	:	:	:	1 289	43 820
Fabricated metal products	2 578	0	0	:	0	:	:	:	0	2 578
Machinery and equipment	2 578	41 242	1 289	:	0	:	:	:	6 444	51 553
Electricity, gas, steam & hot water supply	0	39 953	0	:	0	:	:	:	0	39 953
Collection, purification & distrib. of water	0	24 488	0	:	0	:	:	:	0	24 488

# Environmental Protection Expenditure

## by Industry

[1000 ECU]

### United Kingdom

-1994

	Air & Climate	Waste-water	Waste	Soil & Ground-water	Noise & Vibration	Biodiversity & Landscape	Radiation	Research & Developm.	Other Activities	Total
<b>2.2 External current expenditure</b>	0	372 469	466 553	:	0	:	:	:	0	839 022
Mining and quarrying	0	0	0	:	0	:	:	:	0	0
Food products; beverages & tobacco	0	199 767	69 596	:	0	:	:	:	0	269 364
Textiles & leather products	0	42 531	51 553	:	0	:	:	:	0	94 084
Wood and wood products	0	0	3 866	:	0	:	:	:	0	3 866
Pulp, paper products; publishing & printing	0	18 043	70 885	:	0	:	:	:	0	88 929
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	:	0	:	:	:	0	0
Chemicals, rubber & plastics	0	39 953	97 950	:	0	:	:	:	0	137 904
Other non-metallic mineral products	0	2 578	25 776	:	0	:	:	:	0	28 354
Basic metals	0	7 733	11 599	:	0	:	:	:	0	19 332
Fabricated metal products	0	9 022	21 910	:	0	:	:	:	0	30 932
Machinery and equipment	0	45 109	64 441	:	0	:	:	:	0	109 550
Electricity, gas, steam & hot water supply	0	7 733	46 398	:	0	:	:	:	0	54 130
Collection, purification & distrib. of water	0	0	2 578	:	0	:	:	:	0	2 578
<b>3. OPERATIONAL BENEFITS</b>	173 991	139 193	122 438	:	5 155	:	:	:	10 311	451 087
Mining and quarrying	5 155	1 289	0	:	0	:	:	:	0	6 444
Food products; beverages & tobacco	3 866	3 866	7 733	:	0	:	:	:	0	15 466
Textiles & leather products	1 289	2 578	3 866	:	0	:	:	:	0	7 733
Wood and wood products	1 289	0	1 289	:	0	:	:	:	0	2 578
Pulp, paper products; publishing & printing	10 311	12 888	20 621	:	1 289	:	:	:	1 289	46 398
Coke, ref. petroleum prod. & nuclear fuel	0	0	0	:	0	:	:	:	0	0
Chemicals, rubber & plastics	19 332	68 308	14 177	:	0	:	:	:	5 155	106 972
Other non-metallic mineral products	5 155	1 289	9 022	:	0	:	:	:	0	15 466
Basic metals	45 109	16 755	20 621	:	0	:	:	:	1 289	83 773
Fabricated metal products	21 910	6 444	18 043	:	2 578	:	:	:	1 289	50 264
Machinery and equipment	20 621	2 578	6 444	:	1 289	:	:	:	1 289	32 221
Electricity, gas, steam & hot water supply	39 953	20 621	18 043	:	0	:	:	:	0	78 618
Collection, purification & distrib. of water	0	2 578	2 578	:	0	:	:	:	0	5 155
<b>3.1 Sales of related goods &amp; services</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>3.2 Saving/Costs offsets</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:
<b>4. LABOUR INPUTS</b>	:	:	:	:	:	:	:	:	:	:
Mining and quarrying	:	:	:	:	:	:	:	:	:	:
Food products; beverages & tobacco	:	:	:	:	:	:	:	:	:	:
Textiles & leather products	:	:	:	:	:	:	:	:	:	:
Wood and wood products	:	:	:	:	:	:	:	:	:	:
Pulp, paper products; publishing & printing	:	:	:	:	:	:	:	:	:	:
Coke, ref. petroleum prod. & nuclear fuel	:	:	:	:	:	:	:	:	:	:
Chemicals, rubber & plastics	:	:	:	:	:	:	:	:	:	:
Other non-metallic mineral products	:	:	:	:	:	:	:	:	:	:
Basic metals	:	:	:	:	:	:	:	:	:	:
Fabricated metal products	:	:	:	:	:	:	:	:	:	:
Machinery and equipment	:	:	:	:	:	:	:	:	:	:
Electricity, gas, steam & hot water supply	:	:	:	:	:	:	:	:	:	:
Collection, purification & distrib. of water	:	:	:	:	:	:	:	:	:	:

**E**nviro**n**mental

**P**rotection

**E**xpenditure

Part  
**D**

# Methodological Notes

# Eurostat Questionnaire on Environmental Protection Expenditure by General Government

## Main Matrix Dimensions

The questionnaire on Environmental Protection Expenditure by General Government consists of five main dimensions:

1. General Government level
2. Type of Transaction
3. Environmental domain
4. Country
5. Time

### Institutional sector

General Government includes Government agencies and other public bodies. Public enterprises or corporations are not part of the Government sector in national accounts.

Central and State Government includes "Länder", Central Funds and Agencies.

The transfers for General Government should be consolidated, which means that they are counted only once, namely for those transfers between central and local Government.

#### 1. General government

- In Central and State Government
- In Local Government (Municipalities)
- In General Government (Total Consolidated)

### Type of Transaction

The different types of transactions recorded for environmental protection are defined in SERIEE and ESA.

#### 2. Transactions

- 1. OUTPUT OF PUBLIC ENV. PROTECTION ACTIVITIES (1.1 + 1.2 + 1.3)
  - 1.1 Intermediate consumption (ESA Parag. 3.69)
  - 1.2 Compensation of employees (ESA Parag. 4.02)
  - 1.3 Consumption of fixed capital (ESA Parag. 6.02)
- 2. REVENUE FROM ENV. PROTECTION ACTIVITIES (2.1 + 2.2)
  - 2.1 Current transfers (ESA Parag. 4.117, 4.121)
  - 2.2 Fees and other (SERIEE Parag. 2068, 2069)
- 3. GROSS FIXED CAPITAL FORMATION (ESA Parag. 3.102)
  - 4.1 Investment grants given (ESA Parag. 4.152)
  - 4.2 Investment grants received (ESA Parag. 4.152)
    - 4.2.1 Of which from the EU
  - 4.3 Other transfers given
- 5. LABOUR INPUTS IN PUBLIC ENV. PROTECTION ACTIVITIES

Output of Public Environmental Protection Activities refers to the output produced only by General Administration Entities (central, state and local). The evaluation of market and non-market output, i.e. output basically sold at economically significant prices (SERIEE parag. 2052) and non-market output, i.e. output provided free or at prices that are not economically significant (SERIEE parag. 2054) is a national accounting procedure that is outside the scope of the questionnaire.

By convention the sum of the three aggregates (Intermediate Consumption + Compensation of Employees + Consumption of Fixed Capital) gives a proxy to the non-market output and therefore to the costs incurred to protect the environment.

The definitions referred in the box for Transactions are described as follows:

ESA Parag. 3.69: "Intermediate consumption consists of the value of the goods and services consumed as inputs by a process of production, excluding fixed assets whose consumption is recorded as consumption of fixed capital. The goods and services may be either transformed or used up by the production process."

ESA Parag. 4.02: "Compensation of employees is defined as the total remuneration, in cash or in kind, payable by an employer to an employee in return for work done by the latter during the accounting period. Compensation of employees is broken down into: a) wages and salaries in cash; wages and salaries in kind; b) employers' social contributions: employers' actual social contributions; employers' inputted social contributions."

ESA Parag. 6.02: "Consumption of fixed capital represents the amount of fixed assets used up, during the period under consideration, as a result of normal wear and tear and foreseeable obsolescence, including a provision for losses of fixed assets as a result of accidental damage which can be insured against."

ESA Parag. 4.117: "Current transfers within general Government include transfers between the different sub-sectors of general Government with the exception of taxes, subsidies, investment grants and other capital transfers."

ESA Parag. 4.121: "Current international co-operation includes all transfers in cash or in kind between general Government and Governments or international organisations in the rest of the world, except investment grants and other capital transfers."

"Fees and other" (SERIEE parag. 2068 and 2069) includes all the receipts that General Government collects under any form (fees, taxes, charges, contributions, rates, tolls, etc) as long as the purpose of this collection is to get resources to the provision of environmental protection services. Whenever a Government agency collects taxes that are automatically transferred, in total or in part, to another

Government agency (e.g. a local authority) these should be recorded here.

SERIEE Parag. 2068: "For the purposes of the EPEA the distinction between transactions with a counterpart (e.g. purchases or supplies) and transactions without counterpart (e.g. subsidies, investment grants or taxes) may be important in some cases. Examples are fees paid for waste or wastewater services of general Government units. Less important examples may be administrative fees paid for licences, permits, etc."

SERIEE Parag. 2069: "The distinction between a purchase and a tax is based on an assessment of the counterpart of the transaction. If the counterpart is to some extent proportional to the payments, the transaction is a purchase. Fees for waste or wastewater services usually have the character of a purchase. However, when the revenues from such a fee are much higher than cost of production of the services one may consider treating part of these revenues as taxes."

ESA Parag. 3.102: "Gross fixed capital formation consists of resident producers' acquisitions, less disposals, of fixed assets during a given period plus certain additions to the value of non-produced assets realised by the productive activity of producer or institutional units. Fixed assets are tangible or intangible assets produced as outputs from processes of production that are themselves used repeatedly, or continuously, in processes of production for more than one year."

ESA Parag. 4.152: "Investment grants consist of capital transfers in cash or in kind made by Governments or by the rest of the world to other resident or non-resident institutional units to finance all or part of the costs of their acquiring fixed assets."

"Labour inputs" equal number of persons (full time equivalent) who work on public environmental protection activities. The estimate should be made on the same basis as the estimate of compensation of employees.

### **Environmental Domain**

The environmental domains are those listed below and are described in Annex 2.

#### 3. Environmental domain

- Protection of Ambient Air and Climate
- Waste-water Management
- Waste management
- Protection of Soil and Ground Water
- Noise and Vibration Abatement
- Protection of Biodiversity and Landscape
- Protection against Radiation
- Research and Development
- Other Environmental Protection Activities
- Total

### **Country**

All individual EU Member States receive questionnaires to fill in and send back to Eurostat.

### **Time**

The years from 1988 (annually) to 1996 may be reported.

# Eurostat Questionnaire on Environmental Protection Expenditure by Industry

## Main Matrix Dimensions

The questionnaire on Environmental Protection Expenditure by Industry consists of five main dimensions:

1. Economic sector
2. Type of transaction
3. Environmental domain
4. Country
5. Time

### Economic sector

The economic sectors to be reported are defined, as seen below, according to NACE Rev. 1 codes and OJ No 14/1 (17.1.97), Council Regulation No 58/97.

1. Sector (With NACE Rev. 1 codes)	
- [C]	Mining and quarrying
- [DA]	Manufacturing of food products; beverages and tobacco
- [DB + DC]	Manufacturing of textiles and leather products
- [DD]	Manufacturing of wood and wood products
- [DE]	Manufacturing of pulp, paper products; publishing and printing
- [DF]	Manufacturing of coke, refined petroleum products and nuclear fuel
- [DG + DH]	Manufacturing of chemicals, rubber and plastics
- [DI]	Manufacturing of other non-metallic mineral products
- [27]	Manufacturing of basic metals
- [28]	Manufacturing of fabricated metal products, except machinery and equipment
- [DK + DL + DM + DN]	Manufacturing of machinery and equipment
- [40]	Electricity, gas, steam and hot water supply
- [41]	Collection, purification and distribution of water

### Type of transaction

The transactions to be reported are as follows:

2. Type of transaction	
- 1. INVESTMENTS	
- 1.1	End-of-pipe
- 1.2	Integrated technologies
- 2. CURRENT EXPENDITURE	
- 2.1	Internal current expenditure
- 2.1.1	Wages
- 2.1.2	Other
- 2.2	External current expenditure
- 2.2.1	Fees and other payments to public bodies
- 2.2.2	Payments to private enterprises
- 3. OPERATIONAL BENEFITS	
- 3.1	Sales of related goods and services
- 3.2	Savings/Costs offsets
- 4. LABOUR INPUTS	

"1. Investment" (gross investment in tangible goods - definition in Structural Business Statistics). This refers to investment during the reference period in all tangible goods. Included are new and existing tangible capital goods, whether bought from third parties or produced for own use, having a useful life of more than one year including non-produced tangible goods such as land. All investments are valued prior to (i.e. gross of) value adjustments, and before the deduction of income from disposals. Purchased goods are valued at purchase price, i.e. transport and installation charges, fees, taxes and other costs of ownership transfer are included. Own tangible goods are valued at production cost. Where large investments are made with expenditure taking place over more than one reference period, the expenditure should be recorded as investment in the reference period in which the expenditure is incurred. Goods acquired through mergers are excluded. Purchases of small tools that are not capitalised are included under current expenditure. Also included are all additions, alterations, improvements and renovations that prolong the service life or increase the productive capacity of capital goods.

"1.1 Investment in End-of-pipe equipment". End-of-pipe equipment concerns additional installations for use in the context of environmental control. These installations operate independently of or are identifiable parts added to the production facilities, treat pollution that has been generated, prevent the emissions or spread of the pollutants or measure the level of pollution. The investment is calculated by the purchase price or construction cost of the installation, including design and installation costs. The purchase of land necessary for the installation is also included.

"1.2 Investment in integrated technologies". An integrated technology is an installation or a part of installation that has been adapted in order to generate less pollution. As opposed to End-of-pipe investment, the environmental equipment has been integrated into the production process. The investment in the environmental equipment consists of the extra capital costs due to the integration of the equipment. This type of environmental equipment is not identifiable as a separate part of the production process therefore the costs should be estimated, for example, by comparing with available alternative installations (or parts thereof) that would not satisfy existing or future environmental regulations. In case of forced replacement of existing equipment the remaining value of this equipment is to be added. Expenditure made with the purpose of health and safety at the workplace should be excluded.

"2. Current expenditure". Current expenditure on environmental protection generally occurs as a result of



previous investment in environmental equipment, it includes the compensation of employees, the payment of rents, consumption of goods and services necessary to run, repair and maintain the environmental protection facilities and equipment. It may also occur, however, when activities are undertaken which are not directly linked to the production process but aim at the provision of environmental services such as environmental co-ordination, research, soil sanitation, waste management. The current expenditure figures include the full cost of purchasing environmental services and of providing environmental control services using the unit's own staff as well as the extra costs of goods and services purchased from their parties having a positive environmental effect. The total amount should be evaluated therefore as the total of these shares and should be reported net of operational benefits.

"2.1 Internal current expenditure". This refers to current expenditure for all goods and services purchased by the unit for providing environmental control services using their own staff, including the labour cost of the staff.

"2.2 External current expenditure". This concerns payments to third parties for carrying out environmental control services. The external expenditure may be addressed to other firms or public bodies.

"3. Operational benefits". The measures for preventing or treating pollutant emissions may generate additional gains for the units that execute them. These gains may consist of sales of related goods and services, productivity gains, avoided cost for raw materials (e.g. own use of recovered materials), energy savings (e.g. energy produced by waste incineration plants, etc.) Any benefit from selling related products or from savings related to environmental protection activities should be considered as an operational benefit.

"3.1 Sales of related goods and services". This is defined as values of sales of selling related goods and services produced by a characteristic activity (e.g. sales of recovered materials or energy from waste treatment activities).

"3.2 Savings/Costs offsets". This refers to savings in energy consumption, in using recovered materials and productivity gains. These savings should be evaluated on the basis of the market prices of comparable products. There must be a pollution abatement expense against which the saving is counted. Excluded are avoided environmental levies.

"4. Labour inputs". This is defined as number of people (full time equivalent) who work on environmental protection activities. The estimate should be made on the same basis as the estimate of compensation of employees included in current expenditure.

### **Environmental Domain**

The environmental domains are those listed below and are described in Annex 2.

- 3. Environmental domain
  - Protection of Ambient Air and Climate
  - Waste-water Management
  - Waste management
  - Protection of Soil and Ground Water
  - Noise and Vibration Abatement
  - Protection of Biodiversity and Landscape
  - Protection against Radiation
  - Research and Development
  - Other Environmental Protection Activities
  - Total

### **Country**

All individual EU Member States receive questionnaires to fill in and send back to Eurostat.

### **Time**

From 1988 (annually) to 1996 may be reported.

## Excerpt from a questionnaire

### Eurostat questionnaire on Environmental Protection Expenditure by Industry

There are two questionnaires sent to all Member States.

- Eurostat questionnaire on Environmental Protection Expenditure by General Government
- Eurostat questionnaire on Environmental Protection Expenditure by Industry

The questionnaires are sent by electronic format in the form of Excel spreadsheets. When returned to Eurostat, data are loaded into the Envstat database.

Shown below is an excerpt from the Eurostat questionnaire on Environmental Protection Expenditure by Industry.



STATISTICAL OFFICE OF THE EUROPEAN COMMUNITIES  
Directorate F: Agricultural, fisheries and environmental statistics  
Unit: Environment  
Tel. (352) 4301-37286, Fax (352) 4301-37316

PRODUCTION OF CHARACTERISTIC INDUSTRY									
Protection of ambient air and climate	[C] MINING AND QUARRYING								
	1988	1989	1990	1991	1992	1993	1994	1995	1996
1. INVESTMENTS							24.7	29	
1.1 End-of-pipe							7.7	10.9	
1.2 Integrated technologies							17	28.1	
2. CURRENT EXPENDITURE *							3.3	5.3	
2.1 Internal current expenditure							3.1	5.3	
2.1.1 Wages							0.5	0.6	
2.1.2 Other							2.6	4.7	
2.2 External current expenditure							0	0	
2.2.1 Fees and other payments to public bodies							0	0	
2.2.2 Payments to private enterprises							0	0	
3. OPERATIONAL BENEFITS									
3.1 Sales of related goods and services									
3.2 Saving/Costs offsets									
4. LABOUR INPUTS									

\* if you have no data available for operational benefits, please specify if current expenditure is net

#### Footnotes

Each footnote has to be identified with a prefix such as: a) or NOTE). The maximum length is five characters excluding the close-bracket. }

### 'Costs' versus 'Expenditures'

The data reported should be expenditure data, i.e.; they should reflect the flows of funds for environmental protection activities. A substantial part of total expenditure is allocated to the purchase of capital goods. Capital goods are used over a number of years. The economic value of the usage of capital goods is reflected in annual costs. Expenditure data, on the other hand, show the total value of the capital good in the year of acquisition, not taking into account the service life, which stretches over several periods. Thus, expenditure and cost figures have inherently different meanings and should be clearly distinguished. In the present context, for reasons of simplicity, only expenditure data should be reported.

## Estimation Procedures

### General method to estimate aggregates

As data availability is limited for both matrices of the questionnaires, Eurostat used a simple way of estimation to create aggregates. Where there were no values given the available values were added.

#### Example

Questionnaire: Environmental Protection Expenditure by Industry

Country: Austria; Year: 1994

Type of expenditure: Investments

Sector: Mining and Quarrying

Page in this publication: 104

Values for "Total" of all domains are not given in the questionnaire response. The Total is estimated by adding the values from "Air & Climate", "Wastewater", "Waste" and "Noise & Vibration".

### European Union estimates

To produce the European Union estimates Eurostat assumes the same evolution in terms of value for both GDP and Environmental Protection Expenditure.

In the first step to calculate European Union estimates Eurostat used available figures published in Table 1.1. Missing figures from responding countries were estimated using the development of each nation's GDP.

Example:

Germany, General Government environmental protection expenditure in 1995 is missing. Eurostat used the 1994 figure multiplied by GDP of 1995 and divided by GDP of 1994 to get the estimate.

In the next step Eurostat summed up the expenditures and the GDP from the responding countries (General Government 1992-95: D, F, NL, E, A, DK, P and FIN) ; for Industry 1992 - 95: D, UK, NL, A, E, FIN, P and F). The sum of GDP from the responding countries were divided by the GDP of EU for each year. These factors were multiplied by the expenditures from the responding countries to estimate EU expenditure.

Example:

The sum of General Government environmental protection expenditure in 1992 for Denmark, Germany, Spain, France, the Netherlands, Austria, Portugal and Finland is divided by the sum of GDP from these countries and multiplied by the GDP of EU for that year.

### Methods used for calculation in the overview part

#### Table 1.1 - 1.3

General Government expenditure: Intermediate consumption + Compensation of employees + Gross Fixed Capital formation

Industry expenditure: Investments + Current expenditure.

Total Expenditure = General Government expenditure + Industry expenditure

For Germany and France Industry expenditure = Investments only, due to no data on Current expenditure.

Expenditure has a different meaning from cost. To evaluate costs instead of gross fixed capital formation one should use consumption of fixed capital, i. e., the yearly unit of using capital goods (Consumption of fixed capital in industry is not available through surveys).

General Government Investments: Gross Fixed Capital Formation.

The share of General Government Investments = General Government Investments / (General Government Investments + Industry Investments).

The same applies for Industry Investments shares.

#### Table 2.1 - 2.2

Cost = Intermediate consumption + Compensation of employees + Consumption of fixed capital

Revenue = Current transfers + Fees and other

### Rounding

A general note for all tables with shares: addition of shares may not sum up to 100%, simply due to rounding for each share.

An example: If a country presented three shares of 1/3 each share could be presented as 33% (rounding down), which could misrepresent the sum of them (99% instead of 100%).



**E**nviro**n**mental

**P**rotection

**E**xpenditure

# Annexes

# Annex 1

## Abbreviations

### **Bn**

Billion, , one thousand million

### **CEPA**

Single European Standard Statistical Classification of Environmental Protection Activities and Facilities

### **ECU**

European Currency Unit

### **EPE**

Environmental Protection Expenditure

### **EPEA**

Environmental Protection Expenditure Accounts by Environmental Protection

### **ESA**

European System of Accounts

### **EU**

European Union, refers to the Member States

### **Expenditure Account**

General Industrial Classification of Economic Activities within the European Communities (Revision 1) by Statistical Classification of Economic Activities in the European Community

### **GDP**

Gross Domestic Product

### **GFCF**

Gross Fixed Capital Formation

### **IFEN**

Institut Français de l'Environnement

### **Mio**

Million

### **NACE Rev. 1**

General Industrial Classification of Economic Activities within the European Communities (Revision 1)

### **OJ**

Official Journal

### **PPM**

Parts per million

### **SERIEE**

European System for the Collection of Economic Information on the Environment

### **SNA**

System of National Accounts

## Signs

:

Means not available

%

Means percent

## Annex 2

### CEPA Single European Standard Statistical Classification of Environmental Protection Activities and Facilities

As proposed by the Joint ECE/CEC Work Session on Statistics of Environmental Protection Expenditure and Facilities (Geneva, 23-25 March 1994) for adoption by the conference of European Statisticians (see document CES/809).

#### Introduction

##### **Purpose, Scope and Coverage of the Classification**

The need to consider environmental issues in economic contexts creates special data requirements. One such requirement concerns environmental protection expenditures. Statistics on such expenditures are currently being tackled in environmental accounting, be it in the form of satellite accounting to national accounts or in other forms. Apart from the accounting work, environmental expenditures are increasingly subject to more limited, independent data collections and compilations at international levels. Common to all these efforts is a need for a systematic conceptual delineation of environmental protection activities and related facilities. However, none of the existing international classifications of economic activities provides a satisfactory solution in this respect. The current draft classification aims at standardising, for statistical purposes, categories of activities and facilities. The classification is primarily intended for use in international statistics.

It covers activities in Part One of the categories of the classification and facilities in Part Two. Both activities and facilities relate to purposes of environmental protection by government, corporations, households and non-profit institutions serving households. The classification results from the merger of the draft ECE Standard Statistical Classification of Environmental Protection Facilities and Expenditures (1992) and the corresponding parts of the European System for the Collection of Economic Data on the Environment (SERIEE), developed by Eurostat (1993). The classification is compatible with other existing international conceptual guidelines in environment and related statistics.

The classification includes a set of conventions for use in collection and compilation of data on environmental protection expenditures. In general, these data are often collected from a multitude of data sources, usually following different concept and methods. Thus, the

classification can also be seen as providing assistance in coordination and harmonisation of statistics obtained from different sources.

##### **Characteristic Environmental Protection Activities**

Characteristic activities included in Part One of the classification relate to the prevention of environmental degradation and the restoration of environmental quality. They are primarily categorised according to type of activity within each domain (media) of environmental protection. At more disaggregated levels of the classification, activities are sometimes specified in terms of technical operations, anticipating constraints of practical data possibilities. Only those activities are included that are directly concerned with environmental protection; in other words, the classification does not aim at covering all activities with positive environmental effects.

Definitions of activities are derived, if available, from the respective ECE Standard Statistical Classifications, which were developed by the Conference of European Statisticians within its work programme on environment statistics. For the concepts not included in the ECE Classifications, definitions provided by the SERIEE system are mainly used. The system of National Accounts (SNA 1993) was another source for the development of conceptual specifications.

Environmental protection activities comprise prevention as well as other measures. Prevention through in-process modifications is linked to:

- the use of adapted (clean) technologies (no unambiguous formula exists however for determining that part of in-process modifications which is meant for environmental protection)
- the use of adapted (clean) products in the existing process.

##### **Facilities**

Statistics on physical facilities for environmental protection help to characterise the availability of technical equipment for that purpose. Such data needs appear for purposes that are independent of the needs for monetary (expenditure) data. Thus, a direct relationship between "Part One" and "Part Two" of the classification does not exist from this point of view. However, expenditure data can also be collected by protection facilities rather than activities. For this reason (as well as for reasons of overlap in a number of definitions, the two classifications are presented under a combined heading.

##### **Avoiding Double Counting**

In the 1993 SNA (Chapter 21) and in the 1994 SERIEE manual there are three approaches of looking at environmental protection expenditures: USES (intermediate and final consumption, investment), FINANCING and PRODUCTION (output). Production covers only

output of the environmental protection services.

The risks of double accounting may result from adding up data referring to different approaches. The three cases are:

- Adding up expenditure to the uses and the output of the same product. Example: Adding current expenditure of enterprises for waste services to the expenditure made by municipalities to produce these waste services.
- Adding up expenditure for uses and transfers (e.g. subsidies or investment grants) or financial transactions (loans or repayments of loans), which are counterparts for the uses. Example: Investment grant for the financing of environmental protection facilities; repayment of a loan obtained to finance an investment.
- There is a third type of double accounting if uses of characteristic services are included in the expenditure of characteristic producers. In this case the value of these uses would appear twice: as uses of the producer and as uses of the producers' output by other units. Example: Waste services used in wastewater treatment. The Waste services are incorporated in the value of the wastewater services.

The way of avoiding double accounting differs according to the origin of the risk:

- In the first case above, the expenditure is in principle calculated from the uses side. Description and valuation of the uses and the output are made in different tables. It is of great help to ask the enterprises for a breakdown of their current expenditure to get a figure for fees and other payments for the purchase of environmental protection services.
- In the second case above, only those transfers which have no counterpart in the uses are accounted for. Description and valuation of the uses and the financing are made in different tables. Moreover, financial transactions are not described as such but are treated as users' self-financing.
- Two rules were defined in the SERIEE manual to avoid the third type of double accounting:

- Uses of characteristic services by characteristic specialised producers are not accounted for as uses (as these uses are included in the value of their output)

- Uses of characteristic services by characteristic non-specialised producers are simply not accounted for in the value of their "ancillary" output.

The practical provisions needed to avoid double accounting in an application of this classification are currently under development within the SERIEE framework. It is recommended to apply these procedures. The present classification will be completed with SERIEE practices as they appear.

## **Other Conventions for the International Collection of Data**

These conventions assume that the main purpose of the international collection of expenditure data concerns national expenditure, either for characteristic activities of environmental protection or facilities for environmental protection. Expenditure contains national current expenditure and national capital expenditure, as defined in this classification. National expenditure covers final consumption by the household sector.

The definitions of environmental expenditures provided in this classification should be used. They are adapted from the United Nations 1993 System of National Accounts (SNA, Chapter XXI), which is also used in the SERIEE. If national data submitted in accordance with international requests do not comply with these definitions, respondents to the international requests should clearly state the differences and, if possible, assess their quantitative importance.

Expenditure data should be collected in the first place in terms of national currency and in current prices. For some data collection purposes, the use of constant prices may be more appropriate. Should this be the case, any necessary deflation of the data should be undertaken with the help of the best available price index for the expenditure category concerned. This index should be identified in any response to international data collection.

A part of recycling is recognised as being an environmental protection activity. This part matches the following criterion: The output valued at basic prices (prior to net subsidies) is not fully recovered by the sales of the recycled products or own use of the recycled products valued at purchasers' price. Only that part of this activity that is not covered by sales or own use of recycled materials is accounted for as environmental expenditure. Often this difference corresponds to transfers given by general government to the units that do their recycling. Another example is when the producers of the waste pay the recycling unit.

If Part Two of the classification is used for the collection of expenditure data, only added costs should be reported under category 4.2 for integrated facilities.

The international presentation of statistics of environmental protection expenditures would ideally include indicators on the effectiveness of the expenditure. Such indicators are at present not available. Respondents to international data collections should therefore be encouraged to provide any statistical information they consider relevant regarding the effects of the protection expenditures.

Collection and compilation of expenditure data on protection facilities should relate to all equipment, relevant material or installations of the country concerned. Thus, differences in ownership or manage-



ment authority should not be taken into account when preparing the statistics.

In reporting capacities of treatment installation in response to international requests for data, the definitions included in this classification should be applied. If other capacity concepts are used nationally, the respondents should, together with data submitted in accordance with the present classification, provide for approximate conversion factors between the nationally used and the internationally recommended concepts.

Reporting on monitoring facilities should at this time, and in anticipation of a more satisfactory convention, cover all sites from which monitoring is regularly carried out. These sites may not be permanently equipped with technical monitoring installations. Sites used for more than one monitoring activity in terms of breakdown shown in the classification should be counted under each applicable category - that is, one site may be counted several times. Respondents to international requests for data are encouraged to indicate the parameters monitored, so that more adequate comparative statistics between countries can be provided. When reporting number of measurements (per meter and site), the number of sites with continuous measurement (by parameter) should be shown separately.

All R&D expenditures should be based on NABS (Nomenclature for the Analysis and Comparison of Scientific Programmes and Budgets, 1993). Before national respondents are asked to provide R&D data, they should, if possible, be retrieved from existing international R&D statistical databases.

While the classification is primarily meant for use in the collection and compilation of national data, it is also possible to use it for other territorial administrative units.

### **Future Work**

Future work should first of all relate to the ongoing development of international systems of environment statistics, in particular the development of a framework of indicators based on the pressure-state-response model. Furthermore, once environmental satellite accounts to national accounts become available, the need for the maintenance of a separate classification of environmental protection activities and facilities can be re-assessed. Subject to the above developments, the priority for future work in the short term appears to relate to Part One of this classification. In the longer term, however, the focus might shift to a detailed specification of protection facilities.

The following specific issues should be addressed:

- The possible use of expenditure data in relation to their intended effects in physical units of measure needs to be explored, so that respective indicators can be included in the draft classification at an early time.
- Further development of the activity classification

could define "prevention through in-process modifications" separately for each domain of environmental protection.

- The part of the activity classification that deals with waste will have to be reviewed as results from the ongoing international development of a waste classification become available.
- Methodological research is required to determine outlays for process modifications that are made for environmental purposes, when this consists of the acquisition of equipment with multiple purposes (i.e. integrated technology).
- The significance of indicators showing relationships between monitoring facilities and size of the country concerned or possibly its population, needs to be established before it can be recommended that indicators be compiled and presented.
- The most adequate scope of monitoring facilities for inclusion in the draft classification should be determined in further work, together with the most appropriate breakdown of the facilities. For the time being, weather monitoring stations are excluded, but all other types of monitoring facilities remain included.

## Categories of the Classification

### Part One: Characteristic Environmental Protection Activities

#### 1 Protection of Ambient Air and Climate

- 1.1 Prevention of pollution through in-process modifications
  - 1.1.1 for the protection of ambient air
  - 1.1.2 for the protection of climate and ozone layer
- 1.2 Treatment of exhaust gases and ventilation air
  - 1.2.1 for the protection of ambient air
  - 1.2.2 for the protection of climate and ozone layer
- 1.3 Measurement, control, laboratories and the like
- 1.4 Other activities

#### 2 Wastewater Management

- 2.1 Prevention of pollution through in-process modifications
- 2.2 Sewerage networks
- 2.3 Wastewater treatment
- 2.4 Treatment of cooling water
- 2.5 Measurement, control, laboratories and the like
- 2.6 Other activities

#### 3 Waste Management

- 3.1 Prevention of pollution through in-process modifications
- 3.2 Collection and transport
- 3.3 Treatment and disposal of hazardous waste
  - 3.3.1 Thermal treatment
  - 3.3.2 Landfill
  - 3.3.3 Other treatment and disposal
- 3.4 Treatment and disposal of non-hazardous waste
  - 3.4.1 Incineration
  - 3.4.2 Landfill
  - 3.4.3 Other treatment and disposal
- 3.5 Measurement, control, laboratories and the like
- 3.6 Other activities

#### 4 Protection of Soil and Groundwater

- 4.1 Prevention of pollutant infiltrations
- 4.2 Decontamination of soils
- 4.3 Measurement, control, laboratories and the like
- 4.4 Other activities

#### 5 Noise and Vibration Abatement (excluding Workplace Protection)

- 5.1 Noise and vibration from road and rail traffic
  - 5.1.1 Preventive in-process modifications at the source
  - 5.1.2 Construction of anti-noise/vibration facilities
- 5.2 Air traffic noise
  - 5.2.1 Preventive in-process modifications at the source
  - 5.2.2 Construction of anti-noise/vibration facilities
- 5.3 Industrial process noise and vibrations
- 5.4 Measurement, control, laboratories and the like
- 5.5 Other activities

#### 6 Protection of Biodiversity and Landscape

- 6.1 Protection of species
- 6.2 Protection of landscapes and habitats
  - 6.2.1 protection of forest
- 6.3 Rehabilitation of species populations and landscapes
- 6.4 Restoration and cleaning of water bodies
- 6.5 Measurement, control, laboratories and the like
- 6.6 Other activities

#### 7 Protection against Radiation (excluding Power Station and Mil. Installations)

- 7.1 Protection of ambient media
- 7.2 Measurement, control, laboratories and the like
- 7.3 Other activities

#### 8 Research and Development

- 8.1 Protection of ambient air and climate
  - 8.1.1 Protection of ambient air
  - 8.1.2 Protection of atmosphere and climate
- 8.2 Protection of ambient water
- 8.3 Waste
- 8.4 Protection of soil and groundwater
- 8.5 Abatement of noise and vibration
- 8.6 Protection of species and habitats
- 8.7 Protection against radiation
- 8.8 Other research on the environment

#### 9 Other Environmental Protection Activities

- 9.1 General administration of the environment
- 9.2 Education, training and information
- 9.3 Activities leading to indivisible expenditures
- 9.4 Activities not elsewhere specified

In international data collection, it is recommended to request expenditure data on characteristic environmental protection activities as follows:

Investments:	All positions
Current expenditure:	1-digit level
Total expenditure	1-digit level, by -General Government -Industries -Households

## Part Two: Environmental Protection Facilities

### 1 Protection of Ambient Air and Climate

- 1.1 Dedusting equipment, filters. Industrial establishments equipped for the treatment of exhaust gases [percentage for NACE/ISIC two-digit categories; percentage of thermal electricity generation plants]
- 1.2 Air monitoring installations [number of measurement sites by type of compound monitored; number of measurements per year; number of mobile equipment]
  - 1.2.1 Stationary sites in built-up areas
  - 1.2.2 Stationary sites in open areas
  - 1.2.3 Mobile sites

### 2 Water Management and Protection

- 2.1 Sewerage networks [in kilometres]
- 2.2 Wastewater treatment installations [number; capacity in tons of population equivalents or COD]
  - 2.2.1 Mechanical treatment technology
  - 2.2.2 Biological treatment technology
  - 2.2.3 Advanced treatment technology
  - 2.2.4 Septic tanks
- 2.3 Monitoring installations [number of measurement sites; number of mobile equipment; number of measurements per year and by type of water body monitored]

### 3 Waste Management

- 3.1 Facilities for the treatment of hazardous waste [ number; capacity in terms of weight that can be treated per year, by type of waste as applicable]
  - 3.1.1 Physical/chemical treatment technology
  - 3.1.2 Thermal treatment technology
  - 3.1.3 Biological treatment technology
  - 3.1.4 Conditioning of radioactive wastes
  - 3.1.5 Other treatment technologies
- 3.2 Facilities for the treatment of other than hazardous wastes [ number capacity in terms of weight that can be treated per year, by type of waste as applicable]
  - 3.2.1 Physical/chemical treatment technology
  - 3.2.2 Incineration of municipal or similar wastes
  - 3.2.3 Incineration of industrial waste
  - 3.2.4 Biological treatment technology
  - 3.2.5 Other treatment technologies
- 3.3 Facilities for the disposal of waste [number of sites]
  - 3.3.1 Landfill for all types of waste
  - 3.3.2 Landfill exclusively for hazardous waste
  - 3.3.3 Containment/underground disposal
  - 3.3.4 Other disposal installations

### 4 Protection of Soil and Groundwater

- 4.1 End-of-pipe facilities [number]
  - 4.1.1 Soil surface-sealing including ditches and walls, drainage systems
  - 4.1.2 Catchments for run-offs, losses, leaks
  - 4.1.3 Improvement of underground storage and transport facilities in the interest of groundwater and soil protection
  - 4.1.4 Removal of underground storage and facilities in the interest of groundwater and soil protection
- 4.2 Reservoir liners, reinforcement of transport systems for hazardous products and other integrated facilities [number]

### 5 Noise and Vibration Abatement (excluding Workplace Protection)

- 5.1 Noise barriers: roads, railroads, airports [in kilometres]
- 5.2 Equipment for follow-up and control of noise [number of sites and measurement equipments]

(a) Physical data on facilities should be made available in terms of the variables and units specified

(b) if this classification is used in international data collection of expenditure data, it is recommended to request data on facilities as follows:

Investments:	All positions
Current expenditure:	1-digit level
Total expenditure	1-digit level, by
	-General government
	-Industries
	-Households

## Definitions and Concepts

### **Adapted Products**

Products which, on the one hand, are less of a pollutant at the time of their consumption and/or scrapping than equivalent normal products; and, on the other hand, are more costly than the reference products at the production stage (i.e. prior to subsidies to producers or fiscal incentive measures for consumers).

### **Advanced Treatment Technology (of wastewater)**

Processes capable of reducing specific constituents in wastewater not normally achieved by other treatment options. It covers all unit operations which are not considered to be mechanical or biological: it includes, for example, chemical coagulation, flocculation and precipitation; break-point chlorination; stripping; mixed media filtration; micro-screening; selective ion exchange; activated carbon absorption; reverse osmosis; ultra-filtration; electro-flotation. Advanced treatment processes may be used in combination and/or in conjunction with mechanical and biological unit operations.

### **Biological Treatment Technology (of all types of waste)**

The treatment of waste in specialised-treatment facilities for the removal of organic matter with the assistance of living micro-organisms.

### **Biological Treatment Technology (of wastewater)**

Processes which employ aerobic or anaerobic micro-organisms and result in decanted effluent and separate sludge containing microbial mass together with pollutants. Biological treatment processes are also used in combination and/or in conjunction with mechanical and advanced unit operations.

### **Capacity of Treatment Installation**

The maximum amount of waste materials that can be treated during one year and to usual standards in accordance with usual technology in a given treatment plant or installation. Capacity can be expressed in terms of daily volume of wastewater treated or population equivalent (for wastewater treatment) or in terms of weight that can be treated.

### **Population Equivalent (in wastewater treatment)**

Amount of oxygen-demanding substances whose oxygen consumption during bio-degradation equals the average oxygen demand of the wastewater usually produced by one person. For practical calculations, it is assumed that one unit equals 54 g of BOD (5 days, 20 degrees) per 24 hours, or 180 g (COD + 4.57 x Kjeldahl N) per 24 hours.

### **Weight of Treatment Capacity**

Tonnage of waste materials, by type as required, which can be treated in a given treatment installation in accordance with usual technology and to usual standards in the course of one year.

### **Capital Environment Protection Expenditure (see SNA)**

Uses of capital (investments and net-purchases of non-financial assets) of characteristic producers plus other capital uses of connected and adapted products and capital specific transfers by resident units.

### **Characteristic Environmental Protection Activity (see SNA)**

Any principal or secondary activity by production units specialised in environmental protection, or an activity ancillary to principal or secondary activities which are unrelated to environmental protection. Included are in-process modifications undertaken for the purpose of environmental protection. Outputs of characteristic environmental protection activities are called "characteristic services".

### **Characteristic Producer (see SNA)**

Units executing an environmental protection activity. They can be either a specialised or a non-specialised producer. Specialised characteristic producers execute a characteristic activity as their principal or secondary activity ("Environmental protection" branch). Non-specialised characteristic producers execute a characteristic activity as ancillary to principal or secondary activity unrelated to environmental protection.

### **Collection and Transport of Waste**

Collection of waste, either by municipal services or similar institutions or by public or private corporations, specialised enterprises or general government, and their transport to the place of treatment or disposal. Collection of municipal waste may be selective (i.e. carried out specifically for a type of product) or undifferentiated (i.e. covering at the same time all waste). Street cleaning is to be included for the part referring to public litter and collection of garbage from the streets. Excluded are winter services.

### **Conditioning of Radioactive Wastes**

Operations that transform radioactive waste (excluding from nuclear power plants) into a proper and fit condition for transport and/or storage and/or disposal.

### **Construction of Anti-Noise Facilities**

Activities relating to the installation of anti-noise facilities: screens, embankments, hedges, anti-noise windows, etc. Also included is the resurfacing of sections of urban motorways or railroads with noise reducing surfaces.

## **Containment**

The retention of hazardous material in such a way that it is effectively prevented from dispersing into the environment, or is released only at an acceptable level. Containment may occur in specially built containment spaces.

## **Current Environmental Protection Expenditure**

Current uses of specific goods and services for final or intermediate consumption and current specific transfers by resident units.

## **Decontamination of Soils**

Processes to reduce the quantity of polluting materials in soil, either in situ or in appropriate installations. Treatment of dredging residues are included.

## **Disposal of Hazardous Waste**

Comprises landfill, containment, underground disposal, dumping at sea, and any other relevant disposal method.

## **Disposal of Non-Hazardous Waste**

Comprises landfill, dumping at sea, and any other disposal method.

## **Disposal of Waste**

Final placement of waste for which no further use is foreseen, although it may occur in practice such as extraction of biogas).

## **Education, Training and Information**

Any activity that aims at providing environmental education or training and disseminating environmental information and which is executed e.g. by specialised institutions. The activities of general educational system are excluded.

## **Environmental Protection**

Any activity to maintain or restore the cleanliness of environmental media through preventing the emission of pollution substances or noise etc., or reduction of the presence of polluting substances in environmental media. Included are activities aimed at the conservation of wild species and habitats, the preservation of landscape, as well as related activities for R&D purposes for monitoring and analysis of environmental conditions.

## **Facilities for Environmental Protection**

Technical installations or equipment designed for use in the content of environmental protection. The installations can be of the end-of-pipe type or they can be part of a larger production process. Installations exclusively meant for the implementation of industrial safety standards are excluded.

## **Facility for the Treatment or Disposal of Waste**

Establishment or part of an establishment that is wholly or partly destined to treat or dispose of wastes, such as treatment plants of wastes of various kinds and technical equipment that is fit for treatment of hazardous or non-hazardous waste which is part of any other production process. For the purposes of this definition, contiguous areas either on land or at sea used for dumping of wastes are included, such as landfill sites and sea areas used for dumping.

## **Final Consumption of Specific Goods and Services (see SNA)**

Actual final consumption of specific goods and services (characteristic services, connected and adapted goods and services) by households and actual final consumption of collective services by general government.

## **General Administration of the Environment**

Any identifiable activity that is directed at the general support of decisions taken in the context of environmental protection activities, whether by governmental or by non-governmental units. Such activities should be allocated to one-digit categories of this classification. If this is impossible, they should be included under item 9.1 of the classification.

## **General Government (see SNA)**

All agencies of the public authorities included in the System of National Accounts (SNA) in the United Nations under this term:

- Government departments, offices and other bodies engaged in administration, defence and regulation of the public order, promotion of economic growth and welfare and technological development, provision of education, health, cultural, recreational and other social and community services free of charge or at sales prices which do not fully cover their costs of production.
- Other non-profit institutions serving households or business enterprises which are wholly, or mainly, financed and controlled by the public authorities or which primarily serve government bodies.
- Social security arrangements for large sections of the community imposed, controlled or financed by the governmental.
- Government enterprises (un-incorporated public units) which mainly produce goods and services for government itself or which primarily sell goods and services to the public, but do not operate on a large scale.
- Public saving and lending bodies which are financially integrated with a government or which lack the authority to acquire financial assets or incur liabilities, respectively, in the capital market.

## **Hazardous Waste**

Wastes, which due to their toxic, infectious, radioactive, flammable or other character as defined in the Annex III of Council Directive 91/689 (EU), pose a substantial actual or potential hazard to human health or living organisms. Hazardous waste can present either short-term acute hazards or long-term environmental hazards. Waste with these properties may arise as by-products, process residues, spent reaction media, contaminated plant or equipment from either manufacturing operations or the treatment of toxic substances, or from the discarding of manufactured products. For the purposes of this definition "hazardous wastes" comprise, for each country, all those materials and products which are considered to be hazardous in accordance with that country's practices.

## **Incineration**

Thermal treatment of waste during which chemically fixed energy of combusted matters is transformed into thermal energy. Combustible compounds are transformed into combustion gases leaving the system as flue gases. Incombustible inorganic matters remain in the form of slag and fly ash.

## **Indivisible Expenditure**

Expenditure for environmental protection referring to several one-digit categories of the classification, for which it is impossible to allocate parts to more than a single one-digit category.

## **Intermediate Consumption of Specific Goods and Services (see SNA)**

Intermediate consumption of characteristic goods and services by producer units of the national economy. It may consist of market specific goods and services or ancillary characteristic services. In order to avoid double counting, the intermediate consumption of these specific goods and services constituting an input into the production of characteristic service accounted for.

## **Landfill Site**

Site of final waste disposal in or on land in a controlled or uncontrolled way according to different sanitary, environment protection and other security requirements.

## **Low-Level Radioactive Waste**

This sub-category comprises waste which, because of its low radionuclide content, does not require shielding during normal handling and transportation.

## **Mechanical Treatment Technology (of wastewater)**

Processes of physical and mechanical nature which result in decanted effluent and separate sludge. Mechanical processes are also used in combination and/or in conjunction with biological and advanced unit operations. Mechanical treatment is understood

to include at least such processes as sedimentation, flotation etc.

## **Monitoring**

The programmed process of sampling, measurement, and subsequent recording or signalling, or both, of various characteristics of environmental media, often with the aim of assessing conformity to specified objectives.

## **Monitoring installation**

Technical installation used in the pursuit of monitoring. It may or may not be operating in networks and it may or may not be covering one particular environmental medium only (integrated monitoring stations for air, water, soil etc.). Air monitoring installations exclude weather stations.

## **Monitoring Site**

Site with or without technical installation, which is regularly used for monitoring.

## **National Environmental Protection Expenditure (see SNA)**

Sum of capital and current environmental protection expenditure less financing by the rest of the world.

## **Noise and Vibration Abatement**

Activity to reduce the emission of noise or vibration at a source, in order to protect persons and built-up structures from exposure to noise and vibrations. For the purposes of this classification, noise abatement for the protection of workplaces is excluded. Demolition of residential units for reasons of excessive exposure to noise and vibration is excluded.

## **Other Treatment/Disposal Method (for all types of waste)**

Any procedure (including recycling) modifying the characteristics of waste and/or permitting its long-term storage that is not specified elsewhere in this classification. Included are selection and differentiation procedures.

## **Physical Treatment of Hazardous Waste**

Includes various methods of phase separation and solidification whereby the hazardous waste is fixed in an inert, impervious matrix. Phase separation encompasses the widely used techniques of lagooning, sludge drying in beds, and prolonged storage in tanks, air flotation and various filtration and centrifugation techniques, adsorption/desorption, vacuum, extractive and azeotropic distillation. Solidification of fixation processes, which convert the waste into an insoluble, rock-hard material, are with various reactants or organic polymerisation reactions or the mixing of the waste with organic binders.

### **Prevention of Pollutant Infiltrations**

Refers to a modification of production processes. It aims at the reduction or elimination of polluting substances that may be applied to soil or percolate into groundwater. Included are notably activities related to sealing of soils of industrial plants, installation of catchments for pollutant run-offs, leaks, and strengthening of storage facilities and transportation of pollutant products.

### **Prevention of Pollution through in-Process Modifications**

Modifications of production processes aimed at reducing pollution. Adaptation of facilities or of production processes to the use of clean products. Usually undertaken as an ancillary characteristic activity.

### **Protection against Radiation**

Any activity destined to reduce or eliminate negative consequences of radiation emitted from any source, except nuclear power plants and military installations. Protection measures taken at workplaces are excluded.

### **Protection of Ambient Air**

Refers to activities involving the construction, maintenance or operation of environmental protection facilities. Such facilities may aim at the reduction of emissions into the ambient air, or ambient concentrations of air pollutants through the installation of particulate emission collectors, gaseous emission control devices or other technical means.

### **Protection of Climate and Ozone Layer**

Measures to control the emissions of greenhouse gases and gases that adversely affect the stratospheric ozone layer (carbon dioxide, methane, nitrous oxide, CFCs and halons).

### **Protection of Forest**

Any activity for the preservation of forest, scrubland, etc. as natural environmental media (as distinct from economic resources). Included notably are the development of firewalls, the mobilisation of fire fighting means aimed at the prevention of fires in forest areas.

### **Protection of Landscapes and Habitats**

Activities relating to the protection of outstanding ecosystems and habitats, which are essential to the well-being of fauna and flora species. Also covered is the protection of landscapes for their aesthetic value. Included is the preservation of legally protected natural objects.

### **Protection of Soil and Groundwater**

Environmental protection activity involving the construction, maintenance, and operation of installations for the decontamination of polluted soils and the cleansing of groundwater. Also included is protection

against pollutant infiltrations.

### **Protection of Species**

Environmental protection activity for the purpose of the conservation of threatened species of fauna and flora.

### **Radioactive Waste**

Any material that contains or is contaminated with radio-nuclides at concentrations or radioactivity levels greater than the "exempt quantities" established by the competent authorities, and for which no use is foreseen. Radioactive wastes are produced at nuclear power plants and at associated nuclear fuel cycle facilities as well as through other uses of radioactive material, for example, the use of radionuclides in hospitals and research establishments. Other important wastes are those from mining and milling of Uranium and from the re-processing of spent fuel. Radioactive wastes are commonly classified as low-level, intermediate-level, or high-level. For the purpose of this classification, low-level radioactive waste (notably hospital waste containing radio-nuclides) is included; excluded, however, is radioactive waste from nuclear plants.

### **Recycling of Waste**

The use of waste materials as inputs into economic processes. Excluded is energy recovery from the incineration of waste.

### **Rehabilitation of Species Populations and Landscapes**

Activities aiming at the re-introduction of extinct fauna and or flora species or the recovery of species menaced by extinction, as well as the re-shaping of damaged landscapes for the purpose of strengthening their natural functions or increasing their aesthetic value. Included are the expenditures incurred for the rehabilitation of abandoned mining and quarrying sites.

### **Research and Development**

Research and development activities comprising creative work undertaken on a systematic basis in order to increase the stock of knowledge of man, culture and the use of this stock of knowledge to devise new applications.

### **Restoration and Cleaning of Water Bodies**

Protection measures such as artificial oxygenation and lime-neutralisation actions, artificial acid or anoxic removals, and cleaning of pollution in all water bodies.

### **Septic Tank**

A settling tank into which wastewater is flowing and the suspended matter is decanted as sludge. Organic matters (in the water and in the sludge) are partly decomposed by anaerobic bacteria and other microorganisms.

## **Sewerage Networks**

The system of collectors, pipelines, conduits and pumps to evacuate any wastewater (rainwater, domestic and other wastewater) from the points of generation to either a municipal sewerage treatment plant or to a point where wastewater is discharged into surface water.

## **Thermal Treatment of Hazardous Wastes**

Processes for the high-temperature oxidation of gaseous, liquid, or solid hazardous wastes, converting them into gases and incombustible solid residues. The flue gases are released into the atmosphere (with or without recovery of heat and with or without cleaning) any slag or ash produced is deposited in the landfill. The main technologies used in the incineration of hazardous waste are the rotary kiln, liquid injection, incinerator grates, multiple chamber incinerators, and fluidised bed incinerators. Residues from hazardous waste incineration may themselves sometimes be regarded as hazardous waste. Incineration of hazardous waste can be carried out on land or at sea. Evolving thermal energy may or may not be used for the production of steam, hot water, or electric energy.

## **Transfers (see SNA)**

Any transaction in which one institutional unit provides a piece of goods or a service or an asset to another unit without receiving from the latter a counterpart in the form of a piece of goods or a service or an asset.

## **Specific transfer**

A transfer made for purposes of environmental protection, which has no counterpart in either capital or current uses. Specific transfers mainly occur in the form of subsidies or international transfers.

## **Treatment of Cooling Water**

Processes which are used to treat cooling water to meet applicable environmental standards before releasing it into the environment. Cooling water is used to remove heat.

## **Treatment of Exhaust Gases**

End-of-pipe equipment for the removal/reduction of particulate matter or other air-polluting substances from the emissions into the air either from the combustion of fuels or from processes: filters, dedusting equipment and other relevant techniques. Included are those activities aimed at increasing the dispersion of gases so as to reduce concentrations of air pollutants.

## **Treatment of Hazardous Waste**

Comprises the processes of physical/chemical treatment, thermal treatment, biological treatment, conditioning of radioactive wastes, and any other relevant treatment method.

## **Treatment of other than Hazardous Waste**

Comprises the processes of physical/chemical treatment, incineration of waste, biological treatment and any other treatment method.

## **Treatment of Waste**

Processes designed to change the physical, chemical, or biological character or composition of any waste to neutralise it, render it non-hazardous, safer for transport, amenable for recovery or to reduce it in volume. A particular waste may undergo more than one treatment process. Recycling activities for the purpose of environmental protection are included.

## **Underground Disposal**

Temporary storage or final disposal of hazardous wastes underground that meet specific geological and technical criteria.

## **Waste**

Materials that are not prime products (that is, products produced for the market) for which the generator has no further use for own purposes of production, transformation, or consumption and which the generator wants to dispose of. Wastes may be generated during the extraction of raw materials during the processing of raw materials to intermediate and final products, during the consumption of final products, and during another human activity. Residuals recycled or reused at the place of generation are excluded. Excluded are waste materials that are directly discharged into ambient water or air. For Member States of the European Union, wastes are defined as any substance or object which the holder discards or intends or is required to discharge (in accordance with Council Directive 91/156/EEC, amending the Directive 75/442/EEC on waste).

## **Wastewater**

Water which is of no further intermediate value for the purpose for which it was used or in the pursuit of which it was produced because of quality, quantity, or time of its occurrence.

## **Wastewater Treatment**

Processes to render wastewater fit to meet applicable environmental standards or other quality norms. Three broad types of treatment are specified: mechanical or biological, and advanced treatment. For purposes of calculating the total amount of treated wastewater, volumes reported should be shown only under the highest type of treatment to which it was subjected. Thus, wastewater treated mechanically as well as biologically should be shown under biological treatment, and wastewater treated in accordance with all types should be reported under advanced treatment.



### ***Wastewater Treatment Installation***

Wastewater treatment plant or septic tank.

### ***Wastewater Treatment Plant***

Installations to render wastewater fit to meet applicable environmental standards or other quality norms for recycling and reuse.

## Annex 3

### Industry Classification (NACE Rev. 1)

NACE Rev. 1 is a 4-digit activity classification which was drawn up in 1990. It is a revision of the "General Industrial Classification of Economic Activities within the European Communities", known by the acronym NACE and originally published by Eurostat in 1970.

#### Levels of activities

The economic activities are grouped together in different levels of aggregation:

- **Section.** Example: Section D (Manufacturing)
- **Subsection.** Example: Subsection DA (Manufacture of food products, beverages and tobacco)
- **Division.** Example: Division 15 (Manufacture of food products and beverages)
- **Group.** Example: Group 15.1 (Production, processing and preserving of meat and meat products)
- **Class.** Example: Class 15.11 (Production and preserving of meat)

#### Excerpt from the classification

NACE rev.1			Environmental Protection Expenditure short-name used in the tables
Section A		Agriculture, hunting and forestry	
Section B		Fishing	
Section C		Mining and quarrying	Mining & Quarrying
Subsection	CA	Mining and quarrying of energy producing materials	
Subsection	CB	Mining and quarrying, except of energy producing materials	
Section D		Manufacturing	
Subsection	DA	Manufacture of food products, beverages and tobacco	Food Beverage Tobacco
	15	Manufacture of food products and beverages	
	16	Manufacture of tobacco products	
Subsection	DB+DC		Textile & Leather
Subsection	DB	Manufacture of textiles and textile products	
	17	Manufacture of textiles	
	18	Manufacture of wearing apparel; dressing and dyeing of fur	
Subsection	DC	Manufacture of leather and leather products	
Subsection	DD	Manufacture of wood and wood products	Wood & Wood products
Subsection	DE	Manufacture of pulp, paper & paper products; publishing & printing	Pulp Paper Publishing
	21	Manufacture of pulp, paper and paper products	
	22	Publishing, printing and reproduction of recorded media	
Subsection	DF	Manufacture of coke, refined petroleum products and nuclear fuel	Coke Petroleum Nucl. Fuel
Subsection	DG+DH		Chemicals Rubber Plastics
Subsection	DG	Manufacture of chemicals, chemical products and man-made fibres	
Subsection	DH	Manufacture of rubber and plastic products	
Subsection	DI	Manufacture of other non-metallic mineral products	Other non-met. Mineral
Subsection	DJ	Manufacture of basic metals and fabricated metal products	
	27	Manufacture of basic metals	Basic Metals
	28	Manufacture of fabricated metal products	Fabricated Metal products
Subsection	DK+DL+DM+DN		Machinery & Equipment
Subsection	DK	Manufacture of machinery and equipment	
Subsection	DL	Manufacture of electrical and optical equipment	
	30	Manufacture of office machinery and computers	
	31	Manufacture of electric machinery and apparatus	
	32	Manufacture of radio, television and communication equipment and apparatus	
	33	Manufacture of medical, precision and optical instruments, watches and clocks	
Subsection	DM	Manufacture of transport equipment	
	34	Manufacture of motor vehicles, trailers and semi-trailers	
	35	Manufacture of other transport equipment	
Subsection	DN	Manufacturing	
	36	Manufacture of furniture, manufacturing n.e.c.	
	37	Recycling	
Section E		Electricity, gas and water supply	
	40	Electricity, gas, steam and hot water supply	Electricity Gas, Steam Hot Water
	41	Collection, purification and distribution of water	Collection pur & distr. Of Water

## Annex 4

### Exchange Rates

#### **The use of ECU in the tables**

In order to make tables comparable the figures between Member States must be harmonised. To make your own comparison easier this publication uses only the ECU as the currency.

If there is any need to transform figures into another currency, for instance Member State's local currency, the exchange rate table below should be used.

#### **Example**

Take the value, ECU 44 017 thousand from Denmark's output of public environmental protection expenditure by General Government in the "Waste" domain in 1988. To transform this figure into Dansk Krone, find first the 1988 column, then the Denmark row. The exchange rate is 7.9515, which then is multiplied with the ECU 44.017 million to make it DKR 350 million.

### Exchange Rate Table

			1988	1989	1990	1991	1992	1993	1994	1995	1996
Belgium	Belgium franc	BEF	43.429	43.381	42.426	42.223	41.593	40.471	39.657	38.552	39.299
Denmark	Danish Crown	DKK	7.9515	8.0493	7.8565	7.9086	7.8093	7.5936	7.5433	7.3280	7.3593
Germany	German Mark	DEM	2.0744	2.0702	2.0521	2.0508	2.0203	1.9364	1.9245	1.8738	1.9095
Greece	Greek drachma	GRD	167.58	178.84	201.41	225.22	247.03	268.57	288.03	302.99	305.55
Spain	Spanish Peseta	ESP	137.60	130.41	129.41	128.47	132.53	149.12	158.92	163.00	160.75
France	French Franc	FRF	7.0364	7.0239	6.9141	6.9733	6.8484	6.6337	6.5826	6.5251	6.4930
Ireland	Irish Pound	IEP	0.7757	0.7768	0.7678	0.7678	0.7607	0.8000	0.7936	0.8155	0.7934
Italy	Italian Lira	ITL	1537.3	1510.5	1522.0	1533.2	1595.5	1841.2	1915.1	2130.1	1959.0
Luxembourg	Luxembourg franc	LUF	43.429	43.381	42.426	42.223	41.593	40.471	39.657	38.552	39.299
Netherlands	Dutch guilder	NLG	2.3348	2.3353	2.3121	2.3110	2.2748	2.1752	2.1583	2.0989	2.1397
Austria	Austrian Schilling	ATS	14.586	14.570	14.440	14.431	14.217	13.624	13.540	13.182	13.435
Portugal	Portuguese Escudo	PTE	170.06	173.41	181.11	178.61	174.71	188.37	196.90	196.11	195.76
Finland	Finnish markka	FIM	4.9436	4.7230	4.8550	5.0021	5.8070	6.6963	6.1908	5.7086	5.8282
Sweden	Swedish crown	SEK	7.2419	7.0994	7.5205	7.4793	7.5330	9.1215	9.1631	9.3319	8.5147
United Kingdom	Pound Sterling	GBP	0.6644	0.6733	0.7139	0.7010	0.7377	0.7800	0.7759	0.8288	0.8138

## Annex 5

### National Accounts Aggregates

#### **GFCF - Gross Fixed Capital Formation**

Gross fixed capital formation consists of resident producers' acquisitions, less disposals, of fixed assets during a given period plus certain additions to the value of non-produced assets realised by the productive activity of producer or institutional units. Fixed assets are tangible or intangible assets produced as outputs from processes of production that are themselves used repeatedly, or continuously, in processes of production for more than one year.

#### **GDP - Gross Domestic Product at market prices**

Gross domestic product at market prices is the final result of the production activity of resident producer units. It can be defined in three ways:

- GDP is the sum of gross value added of the various institutional sectors or the various industries plus taxes and less subsidies on products (which are not allocated to sectors and industries). It is also the balancing item in the total economy production account;
- GDP is the sum of final uses of goods and services by resident institutional units (actual final consumption and gross capital formation), plus exports and minus imports of goods and services;
- GDP is the sum of uses in the total economy generation of income account (compensation of employees, taxes on production and imports less subsidies, gross operating surplus and mixed income of the total economy).

#### **Total Population**

On a given date, the total population of a country consists of all persons, national or foreign, who are permanently settled in the economic territory of the country, even if they are temporarily absent from it.

Source: ESA 1995

## Gross Domestic Product - at market prices at current prices (1990)

[Mrd ECU]

### GDP

	1988	1989	1990	1991	1992	1993	1994	1995	1996
European Union	4 430.4	4 831.4	5 192.7	5 645.1	5 884.5	5 902.7	6 192.1	6 434.3	6 764.9
EMU Countries	3 422.7	3 737.8	4 075.3	4 456.1	4 698.6	4 744.4	4 962.3	5 196.5	5 430.8
non EMU Countries	1 007.7	1 093.6	1 117.4	1 189.0	1 185.9	1 158.3	1 229.8	1 237.8	1 334.1
Belgium	129.2	140.0	152.6	160.6	171.7	180.8	193.6	205.9	208.4
Denmark	92.1	95.3	101.7	104.7	109.6	115.2	123.1	132.5	137.7
Germany	1 010.8	1 074.5	1 182.2	1 391.5	1 522.3	1 630.9	1 725.3	1 845.2	1 854.0
Greece	54.7	60.9	65.3	72.1	75.6	78.6	82.5	87.4	96.8
Spain	291.8	345.4	387.5	427.6	446.0	408.6	407.1	428.1	462.7
France	815.1	877.0	941.5	971.7	1 022.1	1 066.8	1 122.6	1 176.2	1 217.5
Ireland	29.6	33.0	35.9	37.5	40.4	41.5	45.4	49.2	55.3
Italy	709.0	789.1	861.2	931.1	941.7	842.0	855.6	831.4	956.5
Luxembourg	6.6	7.5	8.1	8.8	9.8	11.0	12.3	13.3	13.8
Netherlands	196.0	207.7	223.4	234.8	248.9	267.3	284.0	302.5	309.2
Austria	105.7	113.3	123.6	132.7	142.4	153.3	162.4	172.4	173.7
Portugal	40.9	47.2	53.1	61.8	71.1	70.1	71.5	76.9	81.9
Finland	87.9	103.1	106.2	98.1	82.1	72.0	82.4	95.6	97.7
Sweden	153.9	173.6	180.8	193.5	191.4	158.6	167.1	176.3	197.1
United Kingdom	707.0	763.8	769.6	818.7	809.3	805.9	857.1	841.6	902.5

## Total population

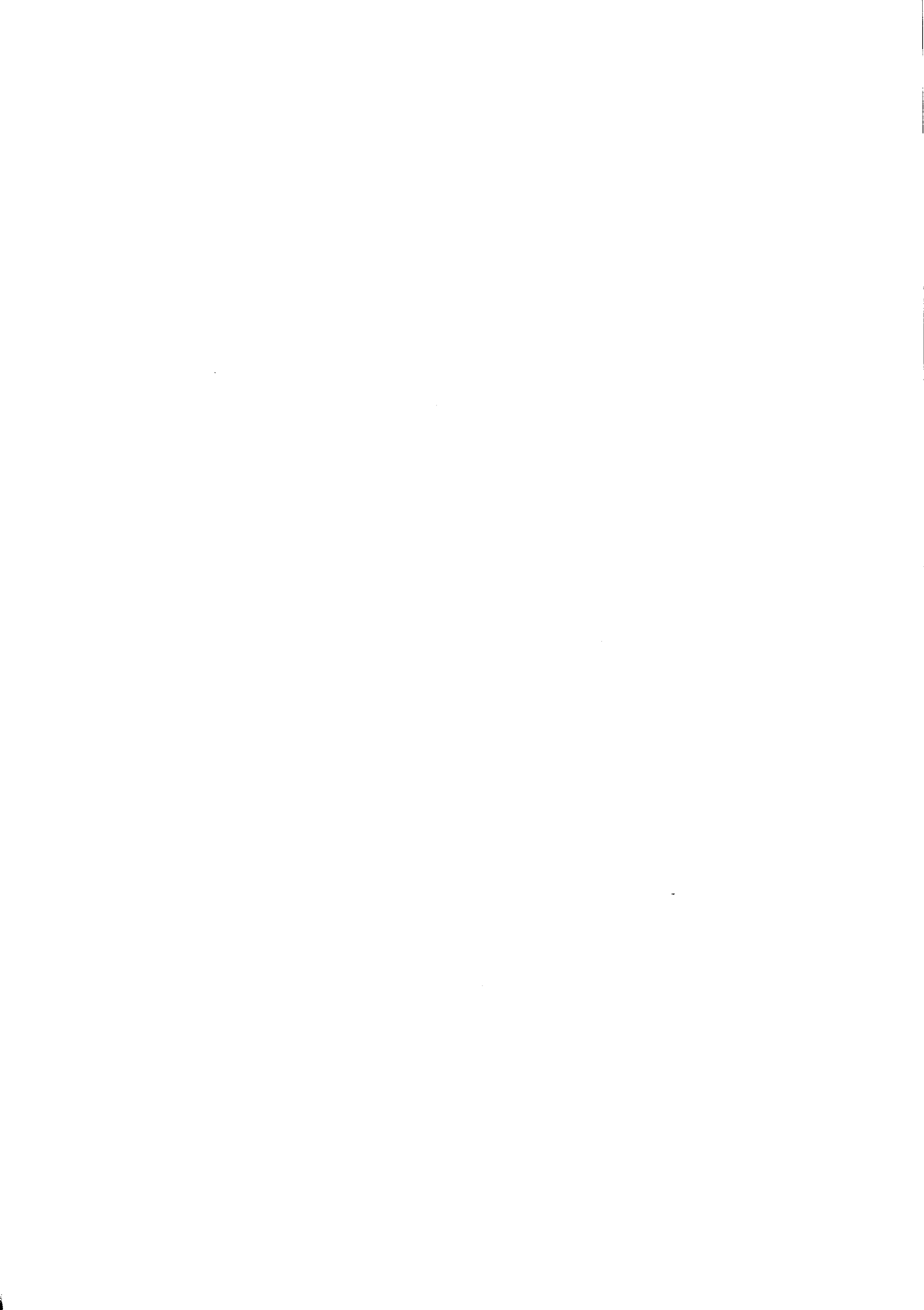
on 1. January of each year

[Mio persons]

### Population

	1988	1989	1990	1991	1992	1993	1994	1995	1996
Belgium	9.9	9.9	9.9	10.0	10.0	10.1	10.1	10.1	10.1
Denmark	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.3
Germany	77.9	78.4	79.1	79.8	80.3	81.0	81.3	81.5	81.8
Greece	10.0	10.1	10.1	10.2	10.3	10.3	10.4	10.4	10.5
Spain	38.7	38.8	38.8	38.9	39.0	39.1	39.1	39.2	39.2
France	56.0	56.3	56.6	56.9	57.2	57.5	57.8	58.0	58.3
Ireland	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6
Italy	56.6	56.6	56.7	56.7	56.8	57.0	57.1	57.3	57.3
Luxembourg	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Netherlands	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5
Austria	7.6	7.6	7.7	7.8	7.9	8.0	8.0	8.0	8.1
Portugal	10.0	10.0	9.9	9.9	9.9	9.9	9.9	9.9	9.9
Finland	4.9	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.1
Sweden	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8
United Kingdom	57.1	57.3	57.5	57.7	57.9	58.1	58.3	58.5	58.7









European Commission

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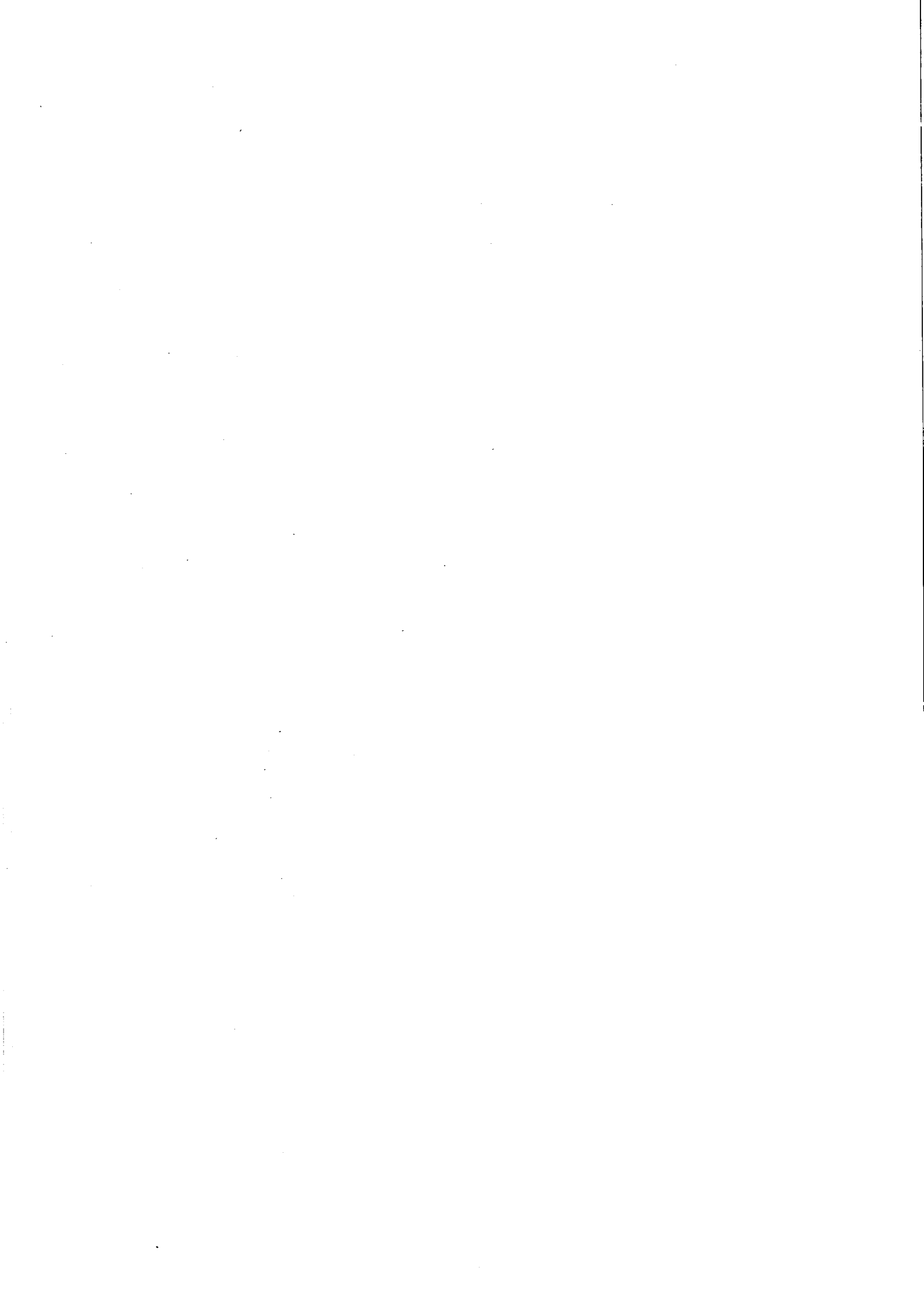
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The publication *Environmental protection expenditure in Member States* provides harmonised statistics at European Union level on environmental protection expenditure by general government and industry. It also includes economic-oriented response indicators.

These economic-oriented response indicators not only measure in terms of expenditure the responses of the economic sectors to environmental protection imperatives, but also reflect the effectiveness of governmental responses.

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