

EUROPEAN COMMUNITIES

**Public financing  
on Research and Development  
in the Community countries**

**Analysis by objectives  
1970 – 1977**

**Detailed report**





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## 1. Introduction

This report on the trends in the government financing of R&D in the countries of the Community has the purpose of providing up-to-date information for those concerned. It gives data for the years 1975 to 1977 using information available in July 1977, with some figures from 1970.

The field of the enquiry remains the same as in previous reports. It covers the financing on R&D by the central government as defined in the terms of the European System of Integrated Accounts (ESA). These definitions include within central government, the expenditure of the Länder of the Federal Republic of Germany, but exclude other regional expenditure, and exclude expenditure by public enterprises. This exclusion is particularly important in the case of research on energy. For the first time an analysis of Community financed R&D is also included. Because the volume of research for the Community itself is small in relation to the totals for member states, and because its pattern is very different, the figures have not been included in the totals of the main analysis, but are given and discussed separately (cf. §§ 3.3 and 3.9).

An attempt has been made to distinguish between the retrospective analysis of the trends from 1970-1976 based on final budgets for R&D and the first comparisons of 1976 and 1977 based on data from preliminary budgets, which may be revised by substantial margins.

The basic data are given in terms of current prices, and at current exchange rates but the most important tables are those which give an idea of the trends, in real terms, of R&D finance. In these tables (tables I, II and 3) the overall totals have been deflated by indices of consumer prices until such time as a special purpose deflator may become available (1). The deflated national currencies have been converted to Eur at the constant 1970 exchange rate.

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(1) There is a risk that this price index underestimates the effects of inflation on R&D and that, in consequence, the growth rates quoted in table I may be on the high side.

The difficulties created in recent years by a more rapid inflation, and by divergences between the exchange rates of national currencies have continued into 1977, and they complicate the analysis of trends in R&D financing, and the drawing of comparisons, on the one hand between member states within the Community and, on the other hand between the Community as a whole, and other countries.

Nevertheless some broad conclusions can be drawn from the data, conclusions which are very similar to those drawn last year in the "Report 1974-1976". Some of the tentative conclusions of the last report can be refined in the light of the data of one more year. In interpreting these conclusions it is useful to remember that the government financed R&D discussed here is, very roughly, about half the total R&D conducted within the member states of the Community.

## 2. The General Picture

### 2.1 Trends 1970-1977

#### 2.1.1 The Community as a Whole

Taken as a whole, the Community has had a period of growth in government financing of R&D over the period 1970-1976 for which final figures are available. The overall increase, measured in constant values of about 3.2 % p.a., conceals however important differences in the time patterns of the growth, and important differences between countries in their growth. The relationship of R&D spending to other economic aggregates has changed within the period. Real growth in R&D has been combined with a constant share of GDP for EUR-9 as a whole, but a declining share of the budgets of central governments (as defined for the ESA) which now take nearly one third of GDP. The complexity of the patterns is shown by the variations which are shown in Table I, country by country.

The most relevant comparison available from the Community as a whole is with the USA, where R&D financing has historically been much higher than in Europe, but which has fallen over the period of Community growth by



about 1.4 % a year, from the expenditure level associated with the height of their space programme (cf. Table 16). Last year the data suggested very tentatively that the rates of change of the two time series, one up in Europe and one down in the USA, might be on converging tracks towards comparable volumes of research expressed either in % of GDP or even in terms of total financing at market exchange rates. This year the evidence for any such convergence in the future is weaker. The picture is now more clearly one of tendencies to level off in Europe. In the USA there has been, at least temporarily, a reversal to the downward trends of recent years. The increase in Federal R&D obligations from 1975 to 1976 was 7.4 %, and is estimated for 1977 at 2.2 %, both percentages being in real terms.

#### 2.1.2 Member States

Within the Community the picture is summarized by the mean growth rates and the related elasticities of R&D financing on GNP which are presented in Table I.

There is no uniform picture for member states and the overall figures from EUR-9 have the uncertainties introduced by the variations in exchange rates. Certainly there has been growth over the period examined, but it was mainly in the earlier years. It will be noted that the growth rates for Total R&D and for Civil R&D are rather similar, indicating a roughly constant proportion of Defence R&D (see § 2.2.2).

The best guide to the changes in the current year 1977, for which only the provisional budgets are available, are provided by a comparison of the provisional budgets for 1976. The totals can be compared with an allowance made for price changes, to estimate the likely changes in real terms. This has been done for Table II using data extracted from Table 1 (statistical annex).

This information cannot supply more than a guide. Provisional budgets express intentions of policy makers at a relatively early stage of the total process of spending. It is not surprising that revisions are necessary both to total budgets and the R&D budgets as the year unfolds. The size of the revisions which are recorded will vary according to both the

Table I  
Total R&D financing  
Mean rates of change in % p.a. (1970-1976)

	Index of consumer prices	% change of R&D financing				Elasticity of R&D financing (1)	Notes
		current prices		constant prices			
		Total	Civil	Total	Civil		
BR Deutschland	6.1	11.8	12.9	5.4	6.4	1.39	Main growth 1970-1973 levelling off since. Fairly regular growth. The elasticity is high.
France	9.2	10.6	11.1	1.2	1.6	0.81	Modest growth. 1976 values below trend. The lowest elasticity.
Italia	12.6	13.4	13.4	0.6	1.0	0.87	Hardly any growth. Marked irregularity in pattern of development with recovery in 1976. There is a small bias downwards in these figures. See methodol. notes, Annex 1.
Nederland	8.8	13.9	14.2	4.7	5.0	1.08	The steadiest pattern in the Community.
Belgique/België	8.9	11.8	11.8	2.2	2.1	0.93	Modest growth.
United Kingdom	13.7	16.9	14.5	2.9	0.7	1.08	Modest growth in total, with a relatively large difference from Civil R&D. But some uncertainty about these figures. See methodological notes, Annex 1.
Ireland	14.1	24.8	24.8	9.4	9.4	1.38	A high elasticity and the highest growth rate in real terms, despite the highest rate of inflation, but from a low base. The last 3 years have shown some tendency to level off.
Danmark	9.7	13.8	13.7	3.7	3.6	1.12	A levelling off in the last three or four years.
EUR-9	.	10.7	11.1	3.2	3.4	0.99	Substantial growth, but with some levelling off in real terms from 1972/73 onwards. Elasticity effectively unity, i.e. the share of GDP has been constant.
Commission	.	.	.	5.2	5.2	.	Above trend in the last two years.

(1) The elasticity of R&D expenditure on GDP within each member country can be thought of as the ratio of the growth rates of the two quantities, and the % increase in R&D which as a matter of fact in the past has been, on average, associated with a 1 % increase in GDP. There is nothing mechanical about the association. The figures are approximate, being estimated with a substantial error (~0.07) even as summaries of past history, and there is no guarantee that national policies will not change. See methodological notes, Annex 1.

economic fortunes and with the administrative procedures of each country. Summarizing the 1975 and 1976 provisional and final budgets which are now available, one can say that the change from provisional to final R&D budgets were of the order of 1 to 3 %, mainly increases.

Table II  
Comparison of provisional budgets financing  
1976-1977

	D Mio DM	F Mio FF	I Mrd Lit.	NL Mio Fl.	B Mio Fb	UK Mio £	IRL Mio £	DK Mio Dkr.	EUR-9 Mio Eur
Provisional budget Current prices 1976 National currency	13,086.3	17,230.6	547.5	2,273.2	19,413.8	1,632.5	19.6	1,486.3	11,467.7
Provisional budget Current prices 1977 National currency	12,766.5	19,434.1	679.1	2,556.2	20,679.7	1,820.1	22.9	1,572.4	11,306.6
% increase	- 2.4	12.8	24.0	12.4	6.5	11.5	16.8	5.8	- 1.4
% increase in prices from March 1976 to March 1977	3.9	9.1	21.0	7.3	7.4	16.7	16.7	8.7	.
Estimated % change in real terms (1)	- 6.1	+ 3.4	+ 2.5	+ 4.8	- 0.8	- 4.4	0.0	- 2.7	- 1.6

Overall for EUR-9, the change in real terms is likely to be small, and probably will turn out to be negative. Certainly it will be below the mean trend since 1970.

(1) Cf. Methodological Notes, Annex 1.

## 2.2 The Structure of Financing by Objectives

### 2.2.1 Overall the pattern can be summarized :

- There are important differences in structure between countries, differences which have remained relatively stable at least since 1970.
- The dominant objective (but a relatively uniformly distributed one) is the "General Promotion of Knowledge" which in several countries accounts for more than half the total expenditure. To put this mass in better perspective some grouping of the other objectives for the EUR-9 total has been made to provide a global picture of the pattern of research.

The overall pattern over time is summarized in Table III, which groups a number of the smaller chapters of the NABS classification used in the full tables.

Table III

% of total financing of EUR-9 classified to groups of objectives

Grouping of Objectives	1970 (1)	1974	1976
Human and Social (NABS Chapters 2, 3, 7)	7.5	9.5	10.8
Technological (NABS Chapters 1, 4, 6, 8)	27.6	25.3	24.5
Agricultural (NABS Chapter 5)	3.1	3.3	3.7
Defence (NABS Chapter 9)	25.9	23.5	22.2
General Promotion of Knowledge (NABS Chapter 10)	36.2	38.2	38.4
Unclassified	- 0.2	0.2	0.3
T o t a l	100.0	100.0	100.0
in Mio Eur	6,047.5	7,380.9	7,496.6

(1) Estimates, see Methodological Notes, Annex 1.

The main features to be observed in this table are :

- an increase in the share of research with primarily Human and Social objectives, and in consequence, also of expenditure in real terms ;
- an increase in the share devoted to the General Promotion of Knowledge, and again an increase in expenditure in real terms ;
- a decrease in the share of research with primarily Technological objectives ; in real terms the expenditure has remained roughly constant ;
- a decrease in the share devoted to Defence R&D ; in real terms, the sum spent has remained roughly constant.



2.2.2 The most important heterogeneity between countries in the data concerns Defence R&D, and is brought out in Table IV, which analyses this objective separately (and as a corollary the detailed structure of Table V is calculated in terms of the % of expenditure on Civil R&D, and not of Total R&D).

Table IV

Comparison of Defence R&D financing between countries and over time

	% of Country R&D Total Financing			Notes
	1970 (1)	1974	1976	
United Kingdom	41.0	46.8	47.7	A rising share of more or less constant expenditure. The only country with a % comparable with that of the USA.
France	31.8	34.0	29.5	Minor % decline in a total which has increased slightly.
Federal Republic of Germany	17.7	11.8	11.4	A decline in a percentage of a total which has increased substantially. Expenditure roughly constant in real terms.
EUR-9	25.9	23.5	22.2	Downward trend but levelling off.

(1) Estimates, see Methodological Notes, Annexe 1.

Only three countries spend more than 10 % of their total financing on Defence R&D, and for this difference in pattern between two groups of member states, and because the qualitative differences between R&D for the objective Defence and the remainder of R&D, the figures have been analysed separately. The total for NABS chapters 1 to 8, and 10 are grouped together under the title "Civil R&D", and a number of tables are given separately for Total R&D, and for Civil R&D.

### 2.2.3 The Distribution of Civil R&D

Even after eliminating the heterogeneity caused by Defence R&D, the variation in pattern between countries is still considerable. The shares which each chapter has of the total of its country vary between countries in a ratio of never less than about 2:1 and often much more. Belgium is the country most like the Community average, and Ireland the country most different from the overall Community distribution.

In absolute terms, i.e. of money, Agriculture has the most even spread of financing between countries. This is primarily because the smallest country, Ireland, has a heavy concentration in this chapter. In terms of shares of national total financing, Health is the most evenly spread between countries.

The most important chapter, namely the General Promotion of Knowledge, accounts for half the total financing on Civil R&D, and more than four times the next largest chapter (Energy), which has a peculiarity in its distribution. Five countries have high, and reasonably similar shares of financing devoted to this chapter (in order, they are Italy, the UK, Belgium, Germany, France), and three countries have very much smaller financing (in order, they are the Netherlands, Denmark and Ireland). The interpretation of this chapter Energy R&D is however complicated by the importance in this field of research by public enterprises which are not included in this report. Community R&D is concentrated into this chapter.

Table V gives the shares of each chapter of the total Civil R&D in a country in 1976. Two changes only were large enough to have a qualitative importance. First, in Italy there has been a marked reduction

in 1976 in the share going to the General Promotion of Knowledge, and a corresponding increase in Energy research, which is now the highest in the Community. Secondly there has been an increase in the share of Belgium in Industrial Productivity and Technology. This is a consequence of an increase in this objective within Belgium itself, and a decline elsewhere in the Community, but especially in France, and the United Kingdom.

Table V

Distribution between objectives of financing classified to civil R&D (%)

1976

NABS Chapters	D	F	I	NL	D	UK	IRL	DK	EUR-9	Comm.
1 Exploration and exploitation of the earth and its atmosphere	2.1	4.6	1.7	1.1	2.8	1.4	2.7	1.7	2.5	2.1
2 Planning of human environment	2.7	6.7	1.4	6.7	1.6	4.9	7.0	2.7	4.1	0.1
3 Protection and improvement of human health	4.8	7.7	3.9	7.3	6.8	5.3	6.1	8.4	5.9	16.2
4 Production, distribution and rational utilization of energy	12.4	12.0	21.7	4.9	17.0	14.8	0.9	2.9	12.6	64.3
5 Agricultural productivity and technology	2.2	6.0	3.2	7.6	5.3	8.3	40.9	8.6	4.8	2.4
6 Industrial productivity and technology	7.6	16.9	10.8	4.9	10.6	13.5	20.4	6.6	10.7	12.0
7 Social and sociological problems	4.8	2.0	1.1	6.5	7.8	2.7	8.0	3.9	3.9	2.1
8 Exploration and exploitation of space	5.1	7.8	9.3	2.8	5.1	4.4	0.0	4.0	5.7	0.6
10 General promotion of knowledge	58.2	35.9	46.6	56.1	43.1	44.7	13.4	61.4	49.4	0.2
T o t a l expenditure	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(1) 1976 provisional budget figures

#### 2.2.4 Changes in Structure since 1970

Although the structure at chapter level can only be described as stable from one year to another, there are some changes which naturally have an interest for policy. This is important therefore to indicate the more larger of these changes, and to make comparisons with data as far back as is available in the categories of the present NABS 75. Estimates are available in the categories of NABS 75 for 1970 (France for 1972). (See Methodological Notes, Annex 1.)

Table VI

## Comparison of the distribution between objectives in 1970 (1) and 1976

NABS Chapters	D		F		I		NL		B		UK		IRL		DK		EUR-9	
	1970	1976	1970	1976	1970	1976	1970	1976	1970	1976	1970	1976	1970	1976	1970	1976	1970	1976
1 Exploration and exploitation of the earth and its atmosphere	1.7	1.8	2.5	3.2	1.5	1.6	1.3	1.0	3.4	2.8	0.3	0.8	1.5	2.7	1.7	1.6	1.6	1.9
2 Planning of human environments	1.0	2.4	3.9	4.7	2.8	1.4	3.9	6.4	1.2	1.6	2.6	2.6	6.6	7.0	2.6	2.7	2.7	3.2
3 Protection and improvement of human health	2.4	4.3	4.2	5.4	3.0	3.7	6.7	7.0	6.5	6.8	1.8	2.8	5.3	6.1	6.7	8.3	2.9	4.6
4 Production, distribution and rational utilization of energy	11.3	11.0	8.3	8.5	21.7	20.7	6.2	4.8	13.0	16.9	7.2	7.7	0.2	0.9	2.6	2.8	10.3	9.8
5 Agricultural productivity and technology	2.1	2.0	3.0	4.3	3.2	3.1	8.7	7.4	4.2	5.3	2.6	4.3	55.4	40.9	11.9	8.5	3.1	3.7
6 Industrial productivity and technology	6.6	6.8	15.2	11.8	17.1	10.3	6.4	4.8	9.9	10.5	16.0	7.0	18.1	20.4	8.1	6.6	11.3	8.4
7 Social and sociological problems	2.7	4.3	1.8	1.4	0.8	1.1	4.2	6.3	6.0	7.7	0.6	1.4	3.8	8.0	3.9	3.8	1.9	3.0
8 Exploration and exploitation of space	5.3	4.5	6.3	5.5	4.5	8.8	3.1	2.7	3.9	5.0	1.9	2.3	0.0	0.0	2.3	4.0	4.3	4.4
9 Defence	17.7	11.4	31.8	29.5	3.9	4.5	4.9	3.2	0.4	0.6	41.0	47.7	0.0	0.0	0.3	0.8	25.9	22.2
10 General promotion of knowledge	49.2	51.5	22.7	25.3	41.6	44.5	54.0	54.2	51.4	42.8	25.6	23.4	9.1	13.4	59.8	60.9	36.2	38.4

(1) Estimates. Shares may not add to 100 % because of rounding and because of a small category of unclassified expenditure. See Methodological Notes, Annex 1.

(2) The 1976 figures for Belgium and for EUR-9 are based on provisional budgets.



Table VII

Comparison of the distribution between objectives in 1976 (1) and 1977 (2)

NABS Chapters	D		F		I		NL		B		UK		IRL		DK		EUR - 9	
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
1 Exploration and exploitation of the earth and its atmosphere	1.8	1.9	3.2	3.2	1.6	1.8	1.0	1.0	2.8	2.8	0.8	0.9	2.7	2.8	1.6	1.7	1.9	2.0
2 Planning of human environments	2.4	2.6	4.7	4.9	1.4	2.1	6.4	7.0	1.6	1.6	2.6	2.5	7.0	6.6	2.7	2.7	3.2	3.4
3 Protection and improvement of human health	4.3	5.0	5.4	5.6	3.7	4.6	7.0	7.4	6.8	8.1	2.8	2.2	6.1	6.2	8.3	8.7	4.6	4.9
4 Production, distribution and rational utilization of energy	11.0	11.6	8.5	8.6	20.7	23.5	4.7	4.9	16.9	16.4	7.7	7.5	0.9	1.0	2.8	3.7	9.8	10.2
5 Agricultural productivity and technology	2.0	2.1	4.3	4.2	3.1	3.6	7.4	7.5	5.3	6.2	4.3	3.8	40.9	40.6	8.5	8.2	3.7	3.8
6 Industrial productivity and technology	6.8	6.6	11.8	11.2	10.3	9.2	4.8	4.9	10.5	11.0	7.0	4.9	20.4	20.6	6.6	6.4	8.4	7.7
7 Social and sociological problems	4.3	4.6	1.4	1.4	1.1	2.2	6.3	6.5	7.7	7.7	1.4	1.2	8.0	7.6	3.8	3.8	3.0	3.2
8 Exploration and exploitation of space	4.5	4.3	5.5	5.2	8.8	8.9	2.7	2.5	5.0	5.2	2.3	2.5	0.0	0.4	4.0	4.2	4.4	4.3
9 Defence	11.4	12.5	29.3	29.3	4.5	3.2	3.2	3.1	0.6	0.3	47.7	50.4	0.0	0.0	0.8	0.8	22.2	22.9
10 General promotion of knowledge	51.5	48.8	25.3	25.9	44.5	40.6	54.3	53.2	42.8	40.7	23.4	23.1	13.4	13.7	60.9	59.8	38.4	37.2

(1) Final budgets.

(2) Provisional budgets.

The stability shown above from 1970 to 1976 remains in the comparisons drawn in Table VII between the final budgets of 1976, and the provisional budgets for 1977. A number of comments on these comparisons are attached to the country-by-country comments in § 3 below.

3. The Differences in Government Financing on R&D between Member States and with the Commission

As has already been stated there are important differences in structure between member states, and with the Commission.

3.1 Federal Republic of Germany

In 1976 the state financed R&D expenditure in the Federal Republic of Germany (expressed in Eur at 1970 prices and exchange rates - cf. Table 3) come to about one third of the R&D financing in the nine member states of the European Community (in 1970 this proportion was running at around 30 %). The average growth rate was lying about twice as high as for the Community as a whole.

The over-proportional rates of R&D financing which continued until 1973 softened to a much more gentle upwards trend. Nothing changed however in the distribution of R&D financing by objectives. As before the main centre of interest, just like the Netherlands, Belgium, Denmark and Italy, is to be found in the General Promotion of Knowledge. This also includes resources devoted to University research.

Promotion of Energy research is increasing every year and this shows up in its growing importance in R&D financing. Similarly resources put aside for the Protection and Improvement of Human Health are increasing slightly. In comparison with the United Kingdom and France however, R&D in the area of Defence is only of middling significance. In recent years the proportion has stayed fairly constant at 11-12 %.

### 3.2 France

In 1970, France had the largest total financing per head on R&D in the Community. Since then, growth has been modest, with the figures for 1976 below even the trend, and R&D financing as a proportion of GDP has declined the most in the Community. France however still retains second place in financing per head although closely approached by the Netherlands. Defence research is important both absolutely, and relatively. The General Promotion of Knowledge, while absolutely important at about a quarter of total financing, and greater than the proportion for the United Kingdom and for Ireland is much less than the 50 % or so which characterizes the other member states. Other characteristics of France are higher than average proportion of civil research on the Earth, on planning the Human Environment, Human Health, Agriculture, and Industry, of which all except Industry have increased their shares since 1970. Government financed research in Industry has declined, particularly from 1975 to 1977. The proportion on Social and Sociological Problems is below the Community average. Energy is close to average, but has shown a marked increase from 1974 to 1976. These differences in structure and especially the low proportion attributed to the General Promotion of Knowledge are to be explained, at least in part, by the existence in France of large research organizations in the public sector, and outside the University.

### 3.3 Italy

Overall Italy has had a more or less static total financing in constant terms on R&D since 1970, with R&D financing declining as a % of GDP, but it has followed a different pattern to other member states (see Methodological Notes, Annex 1). Financing lagged behind inflation in the early 1970s and in real terms possibly actually fell in 1972 and 1974, before making a strong recovery in 1976, which was distributed much of which going to the goal related programmes of National Research Council of which the Energy programme is the largest. (\*)

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(\*) In Italy from 1973 onwards a small proportion of research (about 1 % of the total), mainly in the fields of Health, Agriculture, and the Environment, which was formerly funded by Central Government, has been transferred to the regions (the functions of the regions were enlarged in 1970) and has since then been excluded from the figures.

The pattern of financing by Italy is characterized by a marked increase from 1970 to 1976 (but especially from 1974 to 1976) in financing on Energy, which is now substantially the highest % financing in the Community, although the roles of public enterprises complicate international comparison here. A second feature is the relative importance of Space, in which however the main increase was concentrated in the period 1970-1974. The General Promotion of Knowledge remains a high percentage, but has had a small decline in its relative importance in 1976. The largest changes in the Community between 1976 and 1977 have been in Italy. The relative increases are in Energy and in Social Problems. The relative decreases are in Defence, and in the General Promotion of Knowledge.

### 3.4 Netherlands

The Netherlands has had a growth rate since 1970 second only to the Federal Republic of Germany among the medium and large members of the Community. It has been a steadier growth, and has not shown in the figures the signs of levelling off which characterized most member states in 1976. The elasticity of R&D financing to GDP has been high.

The pattern of distribution is an individual one in that in every objective the share of the Netherlands' financing differs appreciably from the average of the other members of the Community. It contrasts in this with its neighbour, Belgium, which is the most like the average.

The proportion reported under the General Promotion of Knowledge is exceptionally high. Other divergences are less important. Human Environment, Health, and Sociological Problems (the grouping "primarily human objectives") are high, and the Earth, Industry, and Space are low. The Human Environment, and Sociological Problems show increases over time, and Energy, Agriculture, Industry, and Defence have recorded some decline. There were no important changes in the distribution of financing between 1976 and 1977.



### 3.5 Belgium

Belgium has very low financing on Defence R&D, and the most remarkable feature of the breakdown of financing on Civil R&D is how similar it is to the average of other member states. The shares for the Human Environment and for Health are slightly below average, and that for Industry slightly above average. There has been an increase over time in the share of Industry in Belgium, which when combined with declines in this sector in other member states (Germany, France, United Kingdom) gives to Belgium now its above average share.

### 3.6 United Kingdom

The United Kingdom had had, in real terms, a more or less static total financing since 1970. While great precision is not possible, it is probable that there has been a decline in Civil R&D offset by an increase in Defence R&D, a field in which both relatively, and even absolutely, the United Kingdom dominates the Community. The elasticity of R&D financing to GDP is close to unity (cf. Methodological Notes, Annex 1).

Within the financing on Civil research, the United Kingdom has above average shares for Energy, Agriculture, and Industry, and below average shares for the Earth, Sociological Problems, and Space. The share of Industrial research has declined, especially from 1973 onwards. The share of the General Promotion of Knowledge which is below average for Civil financing (and much more so for Total financing) has declined since 1970, but recovered a little since 1974. Since 1970, and 1974 there have been increases in Health, and Sociological Problems. The most noteworthy change in the provisional budget for 1977 has been a reduction in the share of Industry and an increase in Defence.

### 3.7 Ireland

Ireland, which had the lowest financing per head on R&D in 1970, has had one of the highest elasticities of R&D financing to GDP, and the highest growth rate in real terms, despite its economic difficulties associated with the highest rate of inflation in the Community. The last three years have however shown some tendency for R&D financing to level off (in real terms).

The pattern of R&D financing differs most from the Community average with a large concentration on Agriculture (although the share devoted to this chapter is falling), and to a lesser degree on Industry (whose share is increasing). The share of financing of Energy is low, while that on the General Promotion of Knowledge is the lowest in the Community. Financing of Defence and on Space have been zero or practically zero, although an increase in the latter is the most noteworthy change in the 1977 budget.

### 3.8 Denmark

Denmark which has had a mean growth of 3.7 % per year since 1970 from what was then a relatively low financing per head now stands close to the Community average. Like Germany the growth was concentrated in the earlier part of the period. The elasticity of R&D financing to GDP is high.

The pattern is remarkable principally for an exceptionally high proportion attributed to the General Promotion of Knowledge, and very low proportions for both Energy and Defence. The shares of Agriculture and Health are above average. The first of these two has shown some decline in the recent past, and the second an increase.

Below average are the shares of Industry, which is moving downwards, and Space which shows some increase. Also below average is the planning of the Human Environment. The most noteworthy change in the provisional budget for 1977 is an increase in financing of Energy.

### 3.9 Commission of the European Communities

Commission financing of R&D is very small in relation to the total of member countries - of the order of 1 % of the total, and about 4 % of the financing of the Federal Republic of Germany, and about three times the Irish financing, and three quarters of that of Denmark. The sum is roughly equal to the financing in the United Kingdom on Agriculture, in Germany on Sociological Problems, and in France on Health. It is less than the total financing by member states on the Exploration and Exploitation of the Earth and its Atmosphere, the objective on which least money is spent.

The growth rate of Commission financing over the period 1970-1976 has been 15.4 % p.a. in current values, a rate substantially greater than the 10.7 % p.a. characterizing the total of member states.

In real terms the growth rate has been 5.2 % or about twice the average of member states.

More important, the growth has been greatest (> 30 % per year) since 1974, the period of levelling off in the financing in member states. This results from the low initial values, and from the beginning in 1975 and 1976 of new programmes, notably in the fields of Energy, Health (including pollution) and in Agriculture. On the latest forecasts, this rate of growth will turn down during the next four years.

Quite apart from the absence of Defence R&D the pattern of Commission financing is very different from that in member states, either individually, or collectively, being marked by a very strong concentration on Energy (64 % of the total). Then follow at a distance Health (15-16 %), and Industry (12-14 %), both greater proportions than for member states. Agriculture, Social and Sociological Problems, and the Earth, each with about 2 % of the total, are roughly comparable with member states. The other four objectives recognized at the first level of breakdown of NABS are negligible in the Commission budget.

### 3.10 Cooperation between States in Multilateral Research Projects

In round figures, roughly one tenth of national financing of R&D is on multilateral research, which follows a pattern different both from the average of national financing, and from the much smaller direct financing by the Commission. As is to be expected, the pattern of financing is less stable over time than for the total financing.

The most prominent feature of multilateral financing is its concentration into the Exploration and Exploitation of Space, which in terms of total financing is a relatively small chapter, but which is the largest chapter in multilateral financing, and of which about three quarters of financing is multilateral. Other important chapters in multilateral financing are Defence, General Promotion of Knowledge, and Industrial Productivity and Technology. This latter is however in decline.

4.

S t a t i s t i c a l   T a b l e s

T a b l e a u x   s t a t i s t i q u e s



### Symbols and abbreviations

Statistical unit of account (based on central market rates)	Eur
Gross domestic product	GDP/PIB
Million	Mio
Milliard	Mrd
Provisional	p
Data non available	.
Nil	-
Less than half of the unit used	0 (0.0)

The symbols +, o, and - in the tables which contain calculations of mean trends are used to indicate whether the values for the latest year are above, on, or below the mean trend line (regression)

### Signes et abréviations

Unité de compte statistique (basée sur les taux de marché central)
Produit intérieur brut
Million
Milliard
Provisoire
Donnée non disponible
Néant
Inférieur à la moitié de l'unité utilisée

Les symboles +, o, et - dans les tableaux contenant des calculs de tendances moyennes ont été utilisés pour indiquer si la donnée de la dernière année se trouve au-dessus, sur, ou en-dessous de la ligne de tendance (régression)



## R&amp;D financing

## Crédits pour la R&amp;D

in national currencies at current values

en monnaies nationales à prix courants

BR Deutschland	France	Italia	Nederland	Belgique / Belgique	United Kingdom	Ireland	Denmark	EUR - 9
Mio DM	Mio FF	Mrd Lit	Mio Fl	Mio FB	Mio £	Mio £	Mio Dkr	Mio Eur

## Total financing of R&amp;D

## Crédits totaux de R&amp;D

1970	6 302.3	9 695.2	268.7	1 070.8	9 707.0	627.7	5.6	642.0	6 047.5
1971	8 441.0	11 172.8	284.3	1 205.6	11 316.1	722.5	6.3	779.4	7 188.5
1972	9 602.5	12 208.7	279.0	1 339.2	12 943.9	813.9	7.7	925.7	8 033.1
1973	11 295.6	13 356.7	341.1	1 556.9	13 601.6	899.7	11.0	1 002.2	8 908.7
1974	11 917.1	14 991.6	358.3	1 705.8	16 270.6	1 075.4	12.1	1 099.7	9 660.8
1975	12 738.3	16 875.2	453.2	2 019.7	16 567.3	1 325.3	16.1	1 273.0	10 809.9
1976	13 057.4	17 632.4	584.8	2 364.2	19 752.0	1 637.8	20.4	1 456.5	11 186.1
1976(p)	13 086.3	17 230.6	547.5	2 273.2	19 413.8	1 632.5	19.6	1 486.3	11 457.7
1977(p)	12 766.5	19 434.1	679.1	2 556.2	20 679.6	1 820.1	22.9	1 572.4	11 306.6
1970-1976	11.8	10.6	13.4	13.9	11.8	16.9	24.8	13.8	10.7
1976 in relation to 1970-1976	-	-	+	+	+	+	+	-	-
1977(p)-1976(p)	- 2.4	12.8	24.0	12.4	6.5	11.5	16.8	5.8	- 1.4

Mean trend per year  
Tendance annuelle moyenne1976 in relation to  
1970-1976Expected change (in %)  
Modification attendue  
à court terme (en %)

## Financing of Civil R&amp;D

## Crédits pour la recherche civile

1970	5 351.4	6 895.2	257.4	1 020.3	9 664.1	370.3	5.6	639.9	4 577.8
1971	7 262.1	7 273.2	271.4	1 149.2	11 266.1	420.0	6.3	777.1	5 400.3
1972	8 583.9	8 308.5	264.6	1 281.0	12 888.9	466.4	7.7	923.3	6 203.6
1973	9 943.6	8 956.7	323.9	1 498.0	13 585.2	505.3	11.0	999.5	6 897.3
1974	10 506.0	9 891.6	339.9	1 642.9	16 165.3	572.3	12.1	1 092.6	7 387.5
1975	11 333.4	11 875.2	438.0	1 949.6	16 453.3	710.3	16.1	1 263.9	8 420.9
1976	11 566.9	12 432.4	558.5	2 287.6	19 635.2	885.9	20.4	1 445.3	8 583.8
1976(p)	11 595.8	12 030.6	531.7	2 196.2	19 297.0	850.3	19.6	1 475.5	8 830.7
1977(p)	11 174.8	13 734.1	657.6	2 478.1	20 612.0	902.1	22.9	1 560.0	8 717.3
1970-1976	12.9	11.1	13.4	14.2	11.8	14.5	24.8	13.7	11.1
1976 in relation to 1970-1976	-	-	+	+	+	+	+	-	-
1977(p)-1976(p)	- 3.6	11.2	23.7	12.8	6.8	6.1	16.8	5.7	- 1.3

Mean trend per year  
Tendance annuelle moyenne1976 in relation to  
1970-1976Expected change (in %)  
Modification attendue  
à court terme (en %)

R&D financing  
in Mio Eur at current values  
and current exchange rates

Crédits pour la R&D  
en Mio Eur à prix  
et taux de change courants

BR Deutschland	France	Italia	Nederland	Belgique / België	United Kingdom	Ireland	Danmark	EUR-9
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## Total financing of P&amp;D

## Crédits totaux de R&amp;D

1970	1 776.6	1 745.6	429.9	295.8	194.1	1 506.5	13.4	85.6	6 047.5
1971	2 309.4	2 011.6	454.7	333.3	226.5	1 734.0	15.1	103.9	7 188.5
1972	2 744.6	2 198.1	441.9	380.2	266.0	1 862.5	17.6	122.2	8 033.1
1973	3 394.0	2 404.8	467.9	448.1	279.5	1 760.7	21.5	132.2	8 908.7
1974	3 701.2	2 494.4	440.7	508.4	334.4	2 013.8	22.7	145.1	9 660.8
1975	3 956.3	2 971.0	525.2	602.0	340.5	2 220.1	26.9	168.0	10 805.9
1976	4 071.7	2 909.6	554.8	704.7	405.9	2 319.7	28.9	190.6	11 186.1
1976(p)	4 064.4	3 007.1	538.0	677.5	399.0	2 554.9	30.7	196.1	11 467.7
1977(p)	4 044.3	2 926.8	574.5	761.9	425.0	2 345.4	29.5	199.2	11 306.6
Trend per year année annuelle moyenne 1970-1976	14.8	9.1	3.8	15.7	12.3	6.9	14.2	13.5	10.7
In relation to trend per year par rapport à la tendance annuelle moyenne $\frac{1976}{1970-1976}$	-	-	+	+	+	+	-	-	-
Actual change (in %) variation attendue sur la période (en %) $\frac{1977(p)-1976(p)}{1976(p)}$	- 0.5	- 2.7	6.8	12.4	6.5	- 8.2	- 3.9	1.6	- 1.2

## Financing of Civil R&amp;D

## Crédits pour la recherche civile

1970	1 462.1	1 241.4	411.8	281.8	193.3	888.7	13.4	85.3	4 577.8
1971	1 986.8	1 309.5	434.1	317.7	225.5	1 008.0	15.1	103.6	5 400.3
1972	2 453.4	1 495.9	419.1	363.6	264.9	1 067.3	17.6	121.3	6 203.6
1973	2 987.8	1 612.6	444.3	431.2	279.2	988.8	21.5	131.9	6 897.3
1974	3 263.0	1 645.9	418.1	489.7	332.2	1 071.7	22.7	144.2	7 387.4
1975	3 519.9	2 090.7	507.6	591.1	338.1	1 189.8	26.9	166.8	8 420.9
1976	3 606.9	2 051.6	529.9	681.8	403.5	1 213.8	28.9	189.1	8 583.8
1976(p)	3 601.4	2 099.6	522.3	654.6	396.6	1 330.8	30.7	194.7	8 830.7
1977(p)	3 540.1	2 068.4	556.3	739.3	423.6	1 162.5	29.5	197.6	8 717.3
Trend per year année annuelle moyenne 1970-1976	15.9	9.5	3.9	16.1	12.3	4.6	14.2	13.4	11.1
In relation to trend per year par rapport à la tendance annuelle moyenne $\frac{1976}{1970-1976}$	-	-	+	+	+	+	-	-	-
Actual change (in %) variation attendue sur la période (en %) $\frac{1977(p)-1976(p)}{1976(p)}$	- 1.7	- 1.5	6.5	12.8	6.8	- 12.6	- 3.9	1.5	- 1.1

## R&amp;D financing

## Crédits pour la R&amp;D

In Mio Eur at values and exchange rates 1970 en Mio Eur à prix et taux de change de 1970

BR Deutschland	France	Italia	Nederland	Belgique / België	United Kingdom	Ireland	Denmark	EUR-9
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## Total financing of R&amp;D

## Crédits totaux de R&amp;D

1970	1 776.6	1 745.6	429.9	295.8	194.1	1 506.5	13.4	85.6	6 047.5	
1971	2 190.2	1 910.3	434.1	309.5	216.9	1 583.6	13.9	98.0	6 756.5	
1972	2 361.5	1 967.9	402.9	318.3	235.4	1 666.8	15.5	109.2	7 077.5	
1973	2 597.8	2 000.7	444.5	342.2	231.1	1 688.1	20.0	108.4	7 432.8	
1974	2 561.8	1 980.3	391.9	341.5	245.4	1 738.1	18.7	103.2	7 380.9	
1975	2 583.8	1 996.2	423.8	367.8	221.6	1 723.9	20.6	108.9	7 446.7	
1976	2 533.8	1 903.2	468.3	395.3	230.6	1 828.1	22.3	114.4	7 496.6	
1976(p)	2 559.4	1 910.3	464.2	390.0	243.4	1 901.9	22.8	118.7	7 577.2	
1977(p)	2 402.3	1 975.7	475.5	408.6	241.4	1 817.8	22.8	115.5	7 459.6	
Mean trend per year Tendance annuelle moyenne	1970-1976	5.4	1.2	0.6	4.7	2.2	2.9	9.4	3.7	3.2
1976 in relation to mean trend per year 1976 par rapport à la tendance annuelle moyenne	$\frac{1976}{1970-1976}$	-	-	+	+	-	+	-	-	-
Expected change (in %) Modification attendue à court terme (en %)	$\frac{1977(p)-1976(p)}{1976(p)}$	- 6.1	3.4	2.4	4.8	- 0.8	- 4.4	0.0	- 2.7	- 1.6

## Financing of Civil R&amp;D

## Crédits pour la recherche civile

1970	1 462.1	1 241.4	411.8	281.8	193.3	888.7	13.4	85.3	4 577.8	
1971	1 884.3	1 243.6	395.3	295.1	216.0	920.5	13.9	97.7	5 066.4	
1972	2 111.0	1 339.2	382.1	304.6	234.4	955.2	15.5	108.9	5 450.9	
1973	2 286.9	1 341.6	422.0	329.2	230.8	948.2	20.0	108.1	5 686.8	
1974	2 258.5	1 306.6	371.7	328.9	243.8	924.7	18.7	102.5	5 555.4	
1975	2 298.9	1 404.8	409.6	355.0	220.1	924.0	20.6	108.2	5 745.2	
1976	2 244.6	1 342.0	447.2	382.5	229.2	956.5	22.3	113.5	5 737.8	
1976(p)	2 267.9	1 333.8	450.6	376.8	242.0	990.7	22.8	117.8	5 785.1	
1977(p)	2 102.8	1 355.2	460.4	395.8	240.6	901.0	22.8	114.6	5 624.3	
Mean trend per year Tendance annuelle moyenne	1970-1976	6.4	1.6	1.0	5.0	2.1	0.7	9.4	3.6	3.4
1976 in relation to mean trend per year 1976 par rapport à la tendance annuelle moyenne	$\frac{1976}{1970-1976}$	-	-	+	+	-	+	-	-	-
Expected change (in %) Modification attendue à court terme (en %)	$\frac{1977(p)-1976(p)}{1976(p)}$	- 7.3	4.7	2.2	5.0	- 5.7	- 9.1	0.0	- 2.7	- 2.6

## financing in context of other economic aggregates

## Crédits de R&amp;D en relation à d'autres agrégats économiques

		BR Deutschland	France	Italia	Nederland	Belgique / België	United Kingdom	Ireland	Denmark	EUR - 9
Amount R&D financing per head des crédits de R&D par habitant	1970	29.29	34.38	8.01	22.70	20.14	27.13	4.55	17.37	24.08
Current prices and exchange rates Prix et taux de change courants	1971	37.68	39.25	8.42	25.26	23.42	31.12	5.07	20.91	28.41
	1972	44.51	42.51	8.14	28.52	27.40	35.01	6.13	24.49	31.54
	1973	54.76	46.13	8.52	33.35	28.61	31.40	7.05	26.34	34.76
	1974	59.64	47.51	7.95	37.54	34.23	35.92	7.35	28.76	37.51
	1975	63.98	56.33	9.41	44.07	34.74	39.61	8.61	33.20	41.88
	1976	66.19	54.98	9.88	51.15	..	..	..	37.57	..
	1977(p)									
Prices and exchange rates 1970 Prix et taux de change 1970	1970	29.29	34.38	8.01	22.70	20.14	27.13	4.55	17.37	24.08
	1971	35.74	37.27	8.04	23.46	22.42	28.42	4.67	19.75	26.70
	1972	32.29	38.06	7.40	23.88	24.24	29.83	5.14	21.88	27.79
	1973	41.92	38.38	8.09	25.47	23.72	30.13	6.56	21.59	29.00
	1974	41.23	37.73	7.07	25.21	25.11	31.01	6.05	20.46	28.66
	1975	41.79	37.85	7.59	26.92	22.61	30.76	6.59	21.52	28.35
	1976	41.19	35.96	8.34	28.69	..	..	..	22.55	..
	1977(p)									
Amount R&D financing as a percentage of total budget des crédits de R&D en pourcentage du budget total	1970	4.16	5.84	2.08	3.65	2.81	3.49	0.86	1.77	3.84
	1971	4.74	6.27	1.82	3.48	2.89	3.53	0.89	1.94	4.01
	1972	4.83	6.24	1.68	3.53	2.80	3.49	0.92	2.04	4.02
	1973	5.07	6.22	1.55	3.48	2.60	3.39	1.07	2.02	4.05
	1974	4.72	6.08	1.39	3.27	2.72	3.05	0.98	1.81	3.78
	1975	4.37	5.48	1.40	3.15	2.23	2.86	0.94	1.76	3.52
	1976(p)	4.19	5.07	1.36	2.97	2.26	2.99	0.95	1.87	3.42
	1977(p)									
Amount R&D financing as a percentage of gross domestic product des crédits de R&D en pourcentage du produit inté- rieur brut	1970	0.96	1.24	0.46	0.94	0.77	1.24	0.34	0.55	0.98
	1971	1.12	1.28	0.45	0.93	0.82	1.28	0.34	0.61	1.05
	1972	1.16	1.24	0.40	0.91	0.84	1.30	0.35	0.64	1.05
	1973	1.23	1.20	0.42	0.93	0.78	1.25	0.41	0.61	1.06
	1974	1.21	1.17	0.36	0.91	0.80	1.32	0.42	0.60	1.05
	1975	1.24	1.17	0.40	0.98	0.74	1.29	0.46	0.62	1.06
	1976	1.17	1.07	0.42	1.02	0.78	1.36	0.47	0.63	1.04
	1977(p)									
Trend per year Tendance annuelle moyenne	1970-1976									
Expenditure des crédits de R&D	Current prices Prix courants	11.8	10.6	13.4	13.9	11.6	16.9	24.8	13.8	10.5
	Prices 1970 Prix 1970	5.4	1.2	0.6	4.7	2.2	2.9	9.4	3.7	3.2
		..	..	..	..	..	..	..	..	..
Total total		8.6	13.3	15.9	12.4	12.7	15.6	17.4	12.2	10.8
at total à la consommation		6.1	9.2	12.6	8.8	8.9	13.7	11.1	9.7	—

T A B. 5

## R&amp;D financing by chapters of NABS

in national currencies and at current values

1975

OBJECTIVES NABS		DEUTSCH- LAND BR 1000 DM	FRANCE 1000 FF	ITALIA MIO LIT	NETERLAND 1000 FL	BELGIE/ BELGIE 1000 FB
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	227496	503700	5029	21118	410457
2 PLANNING OF HUMAN ENVIRONMENTS	0200	326515	753900	5748	118127	239633
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	542133	822600	12075	130776	637769
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	1342909	1453000	79815	90000	2182358
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	239160	651400	13473	153089	731262
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	936310	2415400	46781	94900	2209724
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	621234	186300	6467	144990	808142
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	539892	942200	38681	48919	592371
9 DEFENCE	0900	1404965	5000000	15185	70101	113572
10 GENERAL PROMOTION OF KNOWLEDGE	1000	6557704	4072200	230028	1095858	8641608
EXPENDITURE NOT ITEMIZED	9000	-	69500	-	51806	-
TOTAL EXPENDITURE	9900	12738318	16875200	453212	2019684	16567285

1976

OBJECTIVES NABS		DEUTSCH- LAND BR 1000 DM	FRANCE 1000 FF	ITALIA MIO LIT	NETERLAND 1000 FL	BELGIE/ BELGIE 1000 FB
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	238127	566100	9276	24334	550556
2 PLANNING OF HUMAN ENVIRONMENTS	0200	314516	825300	7965	152292	311421
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	557876	950700	21550	165840	1344427
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	1436354	1497300	121134	111400	3336455
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	258266	750300	18066	174710	1039341
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	884138	2085800	60350	112453	2073574
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	560093	251100	6379	149717	1525199
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	587970	966500	51664	63344	993304
9 DEFENCE	0900	1490528	5200000	26324	76558	116793
10 GENERAL PROMOTION OF KNOWLEDGE	1000	6729574	4461800	260099	1283040	8460896
EXPENDITURE NOT ITEMIZED	9000	-	77500	2000	50503	-
TOTAL EXPENDITURE	9900	13057442	17632400	584807	2364191	15751970

1977

OBJECTIVES NABS		DEUTSCH- LAND BR 1000 DM	FRANCE 1000 FF	ITALIA MIO LIT	NETERLAND 1000 FL	BELGIE/ BELGIE 1000 FB
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	237721	614700	12328	24974	585766
2 PLANNING OF HUMAN ENVIRONMENTS	0200	325528	945900	14192	180004	340895
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	639395	1095900	31243	188840	1672081
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	1483437	1669800	159426	125905	3388848
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	265206	819600	24603	197811	1274120
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	847483	2169500	62550	125505	2272305
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	589501	282200	15072	167023	1594170
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	552577	1014400	60710	64274	1071160
9 DEFENCE	0900	1591618	5700000	21500	78092	67613
10 GENERAL PROMOTION OF KNOWLEDGE	1000	6233986	5037400	275419	1360704	8417660
EXPENDITURE NOT ITEMIZED	9000	-	84700	2011	50045	-
TOTAL EXPENDITURE	9900	12766452	19434006	670061	2556177	20679616

Crédits de R&D par chapitres NABS  
en monnaies nationales et à prix courants

1975

UNITED KINGDOM 1000 PSTERL	IRELAND 1000 ISTERL	DANMARK 1000 DKR	E U R \$ 1000 EUR	CEC / CCE 1000 UCB	E U R \$ CEC / CCE 1000 EUR	OBJECTIFS NABS
8943	459	21548	199365.2	3400	202659.0	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
32761	1216	19362	340358.4	-	340398.4	2 AMENAGEMENT DES MILIEUX HUMAINS
42618	1130	96644	465227.6	19120	484875.3	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
96728	109	35682	1003567.0	80169	1086348.4	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
58948	6552	123460	391236.1	2558	393864.7	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
164098	3515	120604	1140630.0	17538	1158652.0	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
12692	1077	52929	323107.7	2535	325815.4	7 PROBLEMES DE LA VIE EN SOCIETE
29967	-	46516	461465.3	770	462260.5	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
615127	-	9149	2389033.0	-	2389033.0	9 DEFENSE
263526	2008	747153	4067767.0	421	4068199.6	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	27677.0	-	27677.0	CREDITS NON VENTILES
1325408	16070	1273047	10809883.0	126611	10939988.1	TOTAL DES CREDITS

1976

UNITED KINGDOM 1000 PSTERL	IRELAND 1000 ISTERL	DANMARK 1000 DKR	E U R \$ 1000 UC	CEC / CCE 1000 UCB	E U R \$ CEC / CCE 1000 EUR	OBJECTIFS NABS
12295	558	23994	216385.7	3300	219776.8	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
41941	1438	38747	360126.2	125	360254.7	2 AMENAGEMENT DES MILIEUX HUMAINS
45574	1239	120765	510459.9	25582	536747.9	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
126793	188	41482	1096570.0	101897	1201679.1	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
70916	8353	123937	423417.1	3867	427390.8	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
115509	4153	95451	935268.3	18966	954757.7	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
23210	1640	55906	340626.8	3366	344035.7	7 PROBLEMES DE LA VIE EN SOCIETE
37775	8	57958	492249.4	957	493252.8	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
780873	-	11264	2480600.0	-	2480600.0	9 DEFENSE
382872	2734	887016	4300092.0	342	4300443.4	10 PROMOTION GENERALE DES CONNAISSANCES
-	100	-	29880.7	-	29880.7	CREDITS NON VENTILES
1637758	20411	1456520	11186081.0	158402	11348854.4	TOTAL DES CREDITS

1977

UNITED KINGDOM 1000 PSTERL	IRELAND 1000 ISTERL	DANMARK 1000 DKR	E U R \$ 1000 UC	CEC / CCE 1000 UCB	E U R \$ CEC / CCE 1000 EUR	OBJECTIFS NABS
16882	650	26497	223744.3	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
45731	1498	42159	384445.6	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
40866	1425	136765	556505.1	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
137159	727	57592	1147806.0	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
69836	9284	129681	429707.3	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
89700	4702	100919	866669.1	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
22350	1742	60245	363229.6	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
44846	100	66320	486677.2	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
917964	-	12406	2590009.0	.	.	9 DEFENSE
420542	3130	939854	4210013.0	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
14176	100	-	47770.4	.	.	CREDITS NON VENTILES
1820057	22458	1972438	11306584.0	.	.	TOTAL DES CREDITS

## R&amp;D financing by chapters of NABS

in 1000 Eur

1975

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NETERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	70655.7	89559.6	5827.4	6294.3	8435.6
2 PLANNING OF HUMAN ENVIRONMENTS	0200	101409.0	132728.6	6660.5	35208.5	4924.9
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	168375.6	144623.6	13910.8	38978.6	13107.4
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	417080.6	255809.3	97485.6	26825.0	44851.8
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	74278.3	114682.8	15611.8	45629.1	15028.9
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	250799.1	425245.6	54707.5	28285.5	45414.2
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	192942.8	32799.2	7493.6	43215.1	16608.5
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	167679.3	165879.9	44821.6	14580.6	12174.4
9 DEFENCE	0900	436353.9	880275.8	17595.6	20894.0	2342.4
10 GENERAL PROMOTION OF KNOWLEDGE	1000	2038691.0	716935.1	266544.8	326626.9	177602.3
EXPENDITURE NOT ITEMIZED	9000	-	12235.9	-	15441.1	-
TOTAL EXPENDITURE	9900	3956266.0	2970975.0	525159.2	601978.8	340490.9

1976

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NETERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	74255.8	93416.1	8800.4	7252.9	11315.0
2 PLANNING OF HUMAN ENVIRONMENTS	0200	98078.4	136188.4	7556.9	45391.5	6400.3
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	173964.1	156881.6	20446.0	45429.6	27630.7
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	447902.5	247079.9	114928.3	33203.4	68570.8
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	80535.8	123812.2	17140.5	52073.4	21360.5
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	275703.3	346192.3	57258.3	33517.3	42616.1
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	174355.4	41435.8	6052.2	44624.0	31345.9
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	183348.4	159488.9	49017.3	18880.1	20414.4
9 DEFENCE	0900	464795.8	858088.1	24975.4	22818.6	2400.3
10 GENERAL PROMOTION OF KNOWLEDGE	1000	2048503.0	736272.6	246774.1	382417.7	173888.3
EXPENDITURE NOT ITEMIZED	9000	-	12788.8	1897.5	15052.7	-
TOTAL EXPENDITURE	9900	4071740.0	2909644.0	554847.3	704661.1	405942.4

1977

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NETERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	75308.1	92575.0	10429.7	7443.6	12038.1
2 PLANNING OF HUMAN ENVIRONMENTS	0200	103124.6	142454.4	12006.7	53651.3	7006.1
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	202555.2	165044.7	26432.2	56284.9	34384.8
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	465540.5	251475.2	134877.6	37526.7	69647.6
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	84015.1	123433.4	20814.6	56872.4	26185.7
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	268475.8	326731.0	52918.5	37407.5	46700.4
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	166749.1	42499.9	12757.1	49782.2	32763.4
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	175051.9	152770.6	51361.9	19157.2	22014.5
9 DEFENCE	0900	504211.8	858431.3	18189.4	23775.8	1389.6
10 GENERAL PROMOTION OF KNOWLEDGE	1000	1974876.0	758642.4	233009.9	405565.9	172856.9
EXPENDITURE NOT ITEMIZED	9000	-	12756.0	1701.3	14916.2	-
TOTAL EXPENDITURE	9900	4044309.0	2926813.0	574499.1	761883.8	475007.4



## Crédits de R&amp;D par chapitres NABS

en 1000 Eur

1975

UNITED KINGDOM	IRELAND	DANMARK	EUR 5	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
14980.6	768.8	2843.4	199365.2	3493.8	202859.0	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
54875.5	2036.8	2554.9	340398.4	-	340398.4	2 AMENAGEMENT DES MILIEUX HUMAINS
71386.3	1892.8	12752.7	465227.6	19647.7	484875.3	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
162023.8	182.6	4708.4	1003967.0	82381.4	1086348.4	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
98739.4	10974.9	16291.2	391236.1	2628.6	393864.7	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
274870.7	5894.5	15914.3	1140630.0	18022.0	1158652.0	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
21259.9	1804.0	6984.2	323107.7	2707.7	325815.4	7 PROBLEMES DE LA VIE EN SOCIETE
50195.3	-	6138.0	461469.3	791.2	462260.5	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
1030362.5	-	1207.3	2389033.0	-	2389033.0	9 DEFENSE
441416.6	3363.5	98590.5	4067767.0	432.6	4068199.6	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	27677.0	-	27677.0	CREDITS NON VENTILES
2220110.0	26917.9	167984.9	10809882.0	130105.1	10939988.1	TOTAL DES CREDITS

1976

UNITED KINGDOM	IRELAND	DANMARK	EUR 5	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
17415.6	790.4	3139.4	216385.7	3391.1	219776.8	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
59406.3	2036.8	5069.6	360126.3	128.4	360254.7	2 AMENAGEMENT DES MILIEUX HUMAINS
64552.4	1755.0	15800.8	510459.5	26288.0	536747.9	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
179593.1	266.3	5427.5	1096970.0	104709.1	1201679.1	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
100447.7	11831.4	16215.8	423417.1	3973.7	427390.8	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
163610.1	5882.4	12488.7	935268.3	19489.4	954757.7	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
32876.0	2322.9	7314.7	340626.8	3458.5	344085.7	7 PROBLEMES DE LA VIE EN SOCIETE
53506.1	11.3	7583.2	492249.4	983.4	493232.8	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
1106051.0	-	1473.8	2480600.0	-	2480600.0	9 DEFENSE
542310.4	3872.5	116056.3	4300092.0	351.4	4300443.4	10 PROMOTION GENERALE DES CONNAISSANCES
-	141.6	-	29880.7	-	29880.7	CREDITS NON VENTILES
2319768.0	28910.7	190569.6	11186081.0	162773.4	11348854.4	TOTAL DES CREDITS

1977

UNITED KINGDOM	IRELAND	DANMARK	EUR 5	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
21755.1	837.6	3356.6	223744.3	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
58931.7	1930.4	5340.6	384445.6	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
52662.3	1836.3	17325.0	556505.1	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
176751.2	292.5	7295.6	1147806.0	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
89994.8	11963.9	16427.6	429707.3	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
115592.7	6059.3	12784.1	866669.1	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
28801.5	2244.8	7631.7	363229.6	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
57791.2	128.9	8401.2	486677.2	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
1182942.0	-	1571.6	2550009.0	.	.	9 DEFENSE
541935.3	4039.5	119057.8	4210019.0	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
18268.0	128.9	-	47770.4	.	.	CREDITS NON VENTILES
2345426.0	29456.2	199191.7	11306584.0	.	.	TOTAL DES CREDITS

## R&amp;D financing by chapters of NABS

in % of total financing

1975

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	1.79	3.01	1.11	1.05	2.48
2 PLANNING OF HUMAN ENVIRONMENTS	0200	2.56	4.47	1.27	5.85	1.45
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	4.26	4.87	2.65	6.48	3.85
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	10.54	8.61	17.61	4.46	13.17
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	1.88	3.86	2.97	7.58	4.41
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	7.35	14.31	10.32	4.70	13.34
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	4.88	1.10	1.43	7.18	4.88
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	4.24	5.58	8.53	2.42	3.58
9 DEFENCE	0900	11.03	29.63	3.35	3.47	0.65
10 GENERAL PROMOTION OF KNOWLEDGE	1000	51.48	24.13	50.76	54.26	52.16
EXPENDITURE NOT ITEMIZED	9000	-	0.41	-	2.57	-
TOTAL EXPENDITURE	9900	100.00	100.00	100.00	100.00	100.00

1976

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	1.82	3.21	1.59	1.03	2.79
2 PLANNING OF HUMAN ENVIRONMENTS	0200	2.41	4.68	1.36	6.44	1.58
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	4.27	5.39	3.68	7.01	6.81
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	11.00	8.49	20.71	4.71	16.89
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	1.98	4.26	3.09	7.39	5.26
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	6.77	11.83	10.32	4.76	10.50
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	4.29	1.42	1.09	6.33	7.72
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	4.50	5.48	8.83	2.68	5.03
9 DEFENCE	0900	11.42	29.49	4.50	3.24	0.59
10 GENERAL PROMOTION OF KNOWLEDGE	1000	51.54	25.30	44.48	54.27	42.84
EXPENDITURE NOT ITEMIZED	9000	-	0.44	0.34	2.14	-
TOTAL EXPENDITURE	9900	100.00	100.00	100.00	100.00	100.00

1977

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	1.86	3.16	1.82	0.98	2.83
2 PLANNING OF HUMAN ENVIRONMENTS	0200	2.55	4.87	2.00	7.04	1.65
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	5.01	5.64	4.60	7.39	8.09
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	11.62	8.59	23.48	4.93	16.39
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	2.08	4.22	3.67	7.46	6.16
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	6.64	11.16	9.21	4.91	10.99
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	4.62	1.45	2.22	6.53	7.71
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	4.33	5.22	6.94	2.51	5.18
9 DEFENCE	0900	12.47	29.33	3.17	3.06	0.33
10 GENERAL PROMOTION OF KNOWLEDGE	1000	48.83	25.92	40.56	53.23	40.68
EXPENDITURE NOT ITEMIZED	9000	-	0.44	0.30	1.96	-
TOTAL EXPENDITURE	9900	100.00	100.00	100.00	100.00	100.00

Crédits de R&D par chapitres NABS  
en % des crédits totaux

1975

UNITED KINGDOM	IRELAND	DANMARK	EUR 5	CEC/CEE	EUR 5 CEC/CEE	OBJECTIFS NABS
0.67	2.86	1.69	1.84	2.69	1.85	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
2.47	7.57	1.52	3.15	-	3.11	2 AMENAGEMENT DES MILIEUX HUMAINS
3.22	7.03	7.59	4.30	15.10	4.43	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
7.30	0.68	2.80	9.29	63.22	9.93	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
4.45	40.77	9.70	3.62	2.02	3.60	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
12.38	21.90	9.47	10.55	15.85	10.59	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
0.96	6.70	4.16	2.99	2.08	2.98	7 PROBLEMES DE LA VIE EN SOCIETE
2.26	-	3.65	4.27	0.61	4.23	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
46.41	-	0.72	22.10	-	21.84	9 DEFENSE
19.88	12.50	58.69	37.62	0.33	37.19	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	0.26	-	0.25	CREDITS NON VENTILES
100.00	100.00	100.00	100.00	100.00	100.00	TOTAL DES CREDITS

1976

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
0.75	2.73	1.65	1.93	2.08	1.94	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
2.56	7.05	2.66	3.22	0.08	3.17	2 AMENAGEMENT DES MILIEUX HUMAINS
2.78	6.07	8.29	4.56	16.15	4.73	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
7.74	0.92	2.85	9.81	64.33	10.59	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
4.33	40.92	8.51	3.79	2.44	3.66	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
7.05	20.35	6.55	8.36	11.97	8.41	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
1.42	8.03	3.84	3.05	2.12	3.03	7 PROBLEMES DE LA VIE EN SOCIETE
2.31	0.04	3.98	4.40	0.60	4.35	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
47.68	-	0.77	22.18	-	21.86	9 DEFENSE
23.38	13.39	60.90	38.44	0.22	37.89	10 PROMOTION GENERALE DES CONNAISSANCES
-	0.49	-	0.27	-	0.26	CREDITS NON VENTILES
100.00	100.00	100.00	100.00	100.00	100.00	TOTAL DES CREDITS

1977

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
0.93	2.84	1.69	1.98	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
2.51	6.55	2.68	3.40	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
2.25	6.23	8.70	4.92	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
7.54	0.99	3.66	10.15	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
3.84	40.62	8.25	3.80	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
4.93	20.57	6.42	7.67	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
1.23	7.62	3.83	3.21	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
2.46	0.44	4.22	4.30	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
50.44	-	0.79	22.91	.	.	9 DEFENSE
23.11	13.69	59.77	37.24	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
0.78	0.44	-	0.42	.	.	CREDITS NON VENTILES
100.00	100.00	100.00	100.00	.	.	TOTAL DES CREDITS

R&D financing by chapters of NABS  
in % of financing of civil R&D

1975

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	2.01	4.28	1.15	1.08	2.49
2 PLANNING OF HUMAN ENVIRONMENTS	0200	2.88	6.35	1.31	6.06	1.46
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	4.78	6.93	2.74	6.71	3.88
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	11.85	12.24	18.22	4.62	13.26
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	2.11	5.49	3.08	7.85	4.44
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	8.26	20.34	10.68	4.87	13.42
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	5.48	1.57	1.48	7.44	4.91
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	4.76	7.93	8.83	2.51	3.60
9 DEFENCE	0900	.	.	.	.	.
10 GENERAL PROMOTION OF KNOWLEDGE	1000	57.86	34.29	52.51	56.21	52.52
EXPENDITURE NOT ITEMIZED	9000	-	0.59	-	2.66	-
TOTAL EXPENDITURE	9900	100.00	100.00	100.00	100.00	100.00

1976

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	2.06	4.55	1.66	1.06	2.80
2 PLANNING OF HUMAN ENVIRONMENTS	0200	2.72	6.64	1.43	6.66	1.59
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	4.82	7.65	3.86	7.25	6.85
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	12.42	12.04	21.69	4.87	16.99
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	2.23	6.04	3.23	7.64	5.29
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	7.64	16.78	10.81	4.92	10.56
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	4.84	2.02	1.14	6.54	7.77
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	5.08	7.77	9.25	2.77	5.06
9 DEFENCE	0900	.	.	.	.	.
10 GENERAL PROMOTION OF KNOWLEDGE	1000	58.18	35.89	46.57	56.09	43.09
EXPENDITURE NOT ITEMIZED	9000	-	0.62	0.36	2.21	-
TOTAL EXPENDITURE	9900	100.00	100.00	100.00	100.00	100.00

1977

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	2.13	4.48	1.97	1.01	2.84
2 PLANNING OF HUMAN ENVIRONMENTS	0200	2.91	6.89	2.16	7.76	1.65
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	5.72	7.98	4.75	7.42	8.11
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	13.27	12.16	24.25	5.08	16.44
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	2.37	5.97	3.74	7.70	6.18
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	7.58	15.80	7.51	5.06	11.07
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	5.28	2.05	2.27	4.74	7.73
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	4.94	7.39	7.23	2.59	5.70
9 DEFENCE	0900	.	.	.	.	.
10 GENERAL PROMOTION OF KNOWLEDGE	1000	55.79	36.68	41.88	54.91	40.81
EXPENDITURE NOT ITEMIZED	9000	-	0.62	0.31	2.07	-
TOTAL EXPENDITURE	9900	100.00	100.00	100.00	100.00	100.00

Crédits de R&D par chapitres NABS  
en % des crédits pour la R&D civile

1975

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
1.26	2.86	1.70	2.37	2.69	2.37	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
4.61	7.57	1.53	4.04	-	3.98	2 AMENAGEMENT DES MILIEUX HUMAINS
6.00	7.03	7.65	5.52	15.10	5.67	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
13.62	0.68	2.82	11.92	63.22	12.70	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
8.30	40.77	9.77	4.65	2.02	4.61	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
23.10	21.90	9.54	13.55	13.85	13.55	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
1.79	6.70	4.19	3.84	2.08	3.81	7 PROBLEMES DE LA VIE EN SOCIETE
4.22	-	3.68	5.48	0.61	5.41	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
.	.	.	.	.	.	9 DEFENSE
37.10	12.50	59.11	48.31	0.33	47.58	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	0.33	-	0.32	CREDITS NON VENTILES
100.00	100.00	100.00	100.00	100.00	100.00	TOTAL DES CREDITS

1976

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
1.43	2.73	1.66	2.49	2.08	2.48	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
4.89	7.05	2.68	4.14	0.08	4.06	2 AMENAGEMENT DES MILIEUX HUMAINS
5.32	6.07	8.36	5.86	16.15	6.05	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
14.80	0.92	2.87	12.60	64.33	13.55	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
8.28	40.92	8.58	4.86	2.44	4.72	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
13.48	20.35	6.60	10.74	11.97	10.77	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
2.71	8.03	3.87	3.91	2.12	3.88	7 PROBLEMES DE LA VIE EN SOCIETE
4.41	0.04	4.01	5.65	0.60	5.56	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
.	.	.	.	.	.	9 DEFENSE
44.68	13.39	61.37	49.40	0.22	48.49	10 PROMOTION GENERALE DES CONNAISSANCES
-	0.49	-	0.34	-	0.34	CREDITS NON VENTILES
100.00	100.00	100.00	100.00	100.00	100.00	TOTAL DES CREDITS

1977

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
1.87	2.84	1.70	2.57	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
5.07	6.55	2.70	4.41	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
4.53	6.23	8.77	6.38	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
15.20	0.99	3.69	13.17	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
7.74	40.62	8.31	4.93	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
9.94	20.57	6.47	9.94	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
2.48	7.62	3.86	4.17	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
4.97	0.44	4.25	5.58	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
.	.	.	.	.	.	9 DEFENSE
46.62	13.69	60.25	48.30	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
1.57	0.44	-	0.55	.	.	CREDITS NON VENTILES
100.00	100.00	100.00	100.00	.	.	TOTAL DES CREDITS

## R&amp;D financing by chapters of NABS

In Eur per head, at current values and current exchange rates

1975

OBJECTIVES NABS		DEUTSCH- LAND HR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	1.14	1.70	0.10	0.46	0.86
2 PLANNING OF HUMAN ENVIRONMENTS	0200	1.64	2.52	0.12	2.58	0.50
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	2.72	2.75	0.25	2.85	1.34
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	6.75	4.85	1.66	1.96	4.58
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	1.20	2.17	0.28	3.34	1.53
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	4.70	8.06	0.97	2.07	4.63
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	3.12	0.62	0.13	3.16	1.65
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	2.71	3.15	0.80	1.07	1.24
9 DEFENCE	0900	7.06	16.69	0.32	1.53	0.24
10 GENERAL PROMOTION OF KNOWLEDGE	1000	32.94	13.59	4.77	23.91	18.12
EXPENDITURE NOT ITEMIZED	9000	-	0.23	-	1.13	-
TOTAL EXPENDITURE	9900	63.98	56.33	9.41	44.07	34.74

1976

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	1.21	1.77	0.16	0.53	.
2 PLANNING OF HUMAN ENVIRONMENTS	0200	1.59	2.57	0.13	3.29	.
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	2.83	2.96	0.36	3.59	.
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	7.28	4.67	2.05	2.41	.
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	1.31	2.34	0.31	3.78	.
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	4.48	6.50	1.02	2.43	.
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	2.84	0.78	0.11	3.24	.
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	2.98	3.01	0.87	1.37	.
9 DEFENCE	0900	7.56	16.21	0.44	1.66	.
10 GENERAL PROMOTION OF KNOWLEDGE	1000	34.11	13.91	4.39	27.76	.
EXPENDITURE NOT ITEMIZED	9000	-	0.24	0.03	1.09	.
TOTAL EXPENDITURE	9900	66.19	54.98	9.88	51.15	.

1977

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	.	.	.	.	.
2 PLANNING OF HUMAN ENVIRONMENTS	0200	.	.	.	.	.
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	.	.	.	.	.
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	.	.	.	.	.
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	.	.	.	.	.
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	.	.	.	.	.
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	.	.	.	.	.
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	.	.	.	.	.
9 DEFENCE	0900	.	.	.	.	.
10 GENERAL PROMOTION OF KNOWLEDGE	1000	.	.	.	.	.
EXPENDITURE NOT ITEMIZED	9000	.	.	.	.	.
TOTAL EXPENDITURE	9900	.	.	.	.	.

Crédits de R&D par chapitres NABS  
en Eur par habitant, à prix et taux de change courants

1975

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEE/CEE	EUR 9 CEE/CEE	OBJECTIFS NABS
0.27	0.25	0.56	0.77	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
0.98	0.65	0.50	1.32	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
1.27	0.61	2.52	1.80	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
2.89	0.06	0.93	3.89	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
1.76	3.51	3.22	1.52	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
4.90	1.89	3.15	4.42	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
0.38	0.58	1.38	1.25	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
0.90	-	1.21	1.79	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
18.39	-	0.24	9.26	.	.	9 DEFENSE
7.88	1.08	19.48	15.76	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
-	0.00	-	0.11	.	.	CREDITS NON VENTILES
39.61	8.61	33.20	41.88	.	.	TOTAL DES CREDITS

1976

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEE/CEE	EUR 9 CEE/CEE	OBJECTIFS NABS
.	.	0.62	.	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
.	.	1.00	.	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
.	.	3.11	.	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
.	.	1.07	.	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
.	.	3.20	.	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
.	.	2.46	.	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
.	.	1.44	.	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
.	.	1.49	.	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
.	.	0.29	.	.	.	9 DEFENSE
.	.	22.88	.	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
.	.	-	.	.	.	CREDITS NON VENTILES
.	.	37.57	.	.	.	TOTAL DES CREDITS

1977

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEE/CEE	EUR 9 CEE/CEE	OBJECTIFS NABS
.	.	.	.	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
.	.	.	.	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
.	.	.	.	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
.	.	.	.	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
.	.	.	.	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
.	.	.	.	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
.	.	.	.	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
.	.	.	.	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
.	.	.	.	.	.	9 DEFENSE
.	.	.	.	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
.	.	.	.	.	.	CREDITS NON VENTILES
.	.	.	.	.	.	TOTAL DES CREDITS



R&D financing by chapters of NABS  
per 10,000 units of GDP

1975

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NETERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	2.21	3.54	0.45	1.03	1.83
2 PLANNING OF HUMAN ENVIRONMENTS	0200	3.17	5.24	0.51	5.75	1.07
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	5.26	5.72	1.07	6.37	2.84
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	13.04	10.10	7.10	4.38	9.71
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	2.32	4.53	1.20	7.45	3.25
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	9.09	16.79	4.16	4.62	9.83
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	6.03	1.29	0.58	7.06	3.59
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	5.24	6.55	3.44	2.38	2.63
9 DEFENCE	0900	13.64	34.75	1.35	3.41	0.51
10 GENERAL PROMOTION OF KNOWLEDGE	1000	63.67	28.30	20.47	53.36	38.43
EXPENDITURE NOT ITEMIZED	9000	-	0.48	-	2.52	-
TOTAL EXPENDITURE	9900	123.68	117.27	40.34	98.35	73.68

1976

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NETERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	2.13	3.44	0.67	1.05	2.18
2 PLANNING OF HUMAN ENVIRONMENTS	0200	2.84	5.02	0.58	6.56	1.23
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	4.58	5.78	1.56	7.15	5.33
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	12.83	9.10	8.78	4.80	13.23
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	2.21	4.56	1.31	7.53	4.12
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	7.90	12.68	4.37	4.85	8.22
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	5.00	1.53	0.46	6.45	6.05
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	5.25	5.88	3.74	2.73	3.94
9 DEFENCE	0900	13.31	31.62	1.91	3.30	0.46
10 GENERAL PROMOTION OF KNOWLEDGE	1000	60.11	27.13	18.85	55.29	33.54
EXPENDITURE NOT ITEMIZED	9000	-	0.47	0.14	2.18	-
TOTAL EXPENDITURE	9900	116.63	107.20	42.38	101.88	78.30

1977

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NETERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	.	.	.	.	.
2 PLANNING OF HUMAN ENVIRONMENTS	0200	.	.	.	.	.
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	.	.	.	.	.
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	.	.	.	.	.
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	.	.	.	.	.
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	.	.	.	.	.
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	.	.	.	.	.
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	.	.	.	.	.
9 DEFENCE	0900	.	.	.	.	.
10 GENERAL PROMOTION OF KNOWLEDGE	1000	.	.	.	.	.
EXPENDITURE NOT ITEMIZED	9000	.	.	.	.	.
TOTAL EXPENDITURE	9900	.	.	.	.	.

Crédits de R&D par chapitres NABS  
par 10.000 unités de PIB

1975

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	EEC/CEE	EUR 9 + EEC/CEE	OBJECTIFS NABS
0.87	1.31	1.06	1.98	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
3.18	3.46	0.95	3.50	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
4.14	3.22	4.74	4.75	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
9.39	0.31	1.75	10.45	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
5.72	18.67	6.06	4.28	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
15.94	10.03	5.92	12.34	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
1.23	3.07	2.60	3.05	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
2.91	-	2.28	4.75	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
59.74	-	0.45	27.63	.	.	9 DEFENSE
25.59	5.72	36.68	40.40	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	0.26	.	.	CREDITS NON VENTILES
128.72	45.78	62.50	113.40	.	.	TOTAL DES CREDITS

1976

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	EEC/CEE	EUR 9 + EEC/CEE	OBJECTIFS NABS
1.02	1.28	1.03	2.00	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
3.48	3.30	1.66	3.34	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
3.78	2.84	5.19	4.73	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
10.52	0.43	1.78	10.16	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
5.89	19.18	5.32	3.92	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
9.59	9.53	4.10	8.66	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
1.93	3.77	2.40	3.16	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
3.14	0.02	2.49	4.56	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
64.82	-	0.48	22.98	.	.	9 DEFENSE
31.78	6.28	38.10	39.83	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
-	0.23	-	0.28	.	.	CREDITS NON VENTILES
135.94	46.86	62.55	103.60	.	.	TOTAL DES CREDITS

1977

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	EEC/CEE	EUR 9 + EEC/CEE	OBJECTIFS NABS
.	.	.	.	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
.	.	.	.	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
.	.	.	.	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
.	.	.	.	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
.	.	.	.	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
.	.	.	.	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
.	.	.	.	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
.	.	.	.	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
.	.	.	.	.	.	9 DEFENSE
.	.	.	.	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
.	.	.	.	.	.	CREDITS NON VENTILES
.	.	.	.	.	.	TOTAL DES CREDITS

R&D financing by section and subsection of NABS  
1976

in national currencies, at current values

OBJECTIVES NABS		DEUTSCH- LAND ER 1000 DM	FRANCE 1000 FF	ITALIA MIL LIT	NEDERLAND 1000 FL	BELGIQUE/ BELGIE 1000 FB
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	228127	566100	9276	24334	550556
10 RESEARCH OF A GENERAL NATURE	0108	51556	5800	200	-	225926
11 SOIL AND SUBSTRATUM	0110	102927	294000	2736	1197	96873
111 OIL AND MINERAL PROSPECTING	0111	27232	12900	8	-	2194
112 EXPLORATION AND EXPLOITATION OF SUBMARINE SHELVES	0112	11400	37700	294	-	-
12 LANDHYDROLOGY	0120	10445	7000	294	-	3764
13 SEAS AND OCEANS	0130	39939	177200	4937	17220	19570
14 ATMOSPHERE	0140	33260	82100	1109	5917	106741
141 METEORLOGY	0141	4150	37400	875	5917	66850
142 AERONAUTICS	0142	29110	-	76	-	-
19 OTHER RESEARCH	0190	-	-	-	-	97681
2 PLANNING OF THE HUMAN ENVIRONMENT	0200	314516	825300	7965	152292	311421
20 RESEARCH OF A GENERAL NATURE	0208	17013	4900	200	21935	-
21 LAND DEVELOPMENT	0210	31400	103800	1952	8215	18873
210 RESEARCH OF A GENERAL NATURE	0218	21376	31300	1121	-	-
211 URBAN DEVELOPMENT	0211	9825	32300	-	-	-
212 RURAL DEVELOPMENT	0212	199	40200	-	-	-
219 DEVELOPMENT OF OTHER AREAS	0219	-	-	-	-	-
22 CONSTRUCTION AND PLANNING OF BUILDINGS	0220	26171	71000	724	41508	174240
220 RESEARCH OF A GENERAL NATURE	0228	19418	71000	728	14350	-
221 RESIDENTIAL BUILDINGS	0221	1100	-	-	24108	-
229 NON-RESIDENTIAL BUILDINGS	0229	5653	-	-	3050	91344
23 CIVIL ENGINEERING	0230	65068	83800	770	36357	33790
24 TRANSPORT SYSTEMS	0240	161702	69600	190	39203	33666
25 TELECOMMUNICATIONS SYSTEMS	0250	50	483300	2163	-	17283
26 WATER SUPPLY	0260	12030	8900	1456	5067	34069
260 RESEARCH OF A GENERAL NATURE	0268	12030	8900	874	-	33797
261 DRINKING WATER SUPPLY	0261	-	-	582	5067	273
269 WATER SUPPLY FOR THE ENERGY SECTOR AND FOR INDUSTRIAL AND AGRICULTURAL USE	0269	-	-	-	-	-
29 OTHER RESEARCH	0290	1082	-	506	12	-

Crédits pour la R&D par chapitres, divisions et rubriques de la HAB5  
1976  
en monnaies nationales, à prix courants

UNITED KINGDOM 1000 PSTERL	IRELAND 1000 ISTERL	DANMARK 1000 DKR	E U R S 1000 UC	CEC/CEE 1000 UC	EUR 9 CEC/CEE 1000 EUR	OBJECTIFS NABS
12 295	559	23994	216385.7	3300	219776.8	1 EXPLOIATION ET EXPLOITATION DU MILIEU TERRESTRE
86	-	-	21988.1	-	21988.1	10 RECHERCHES A CARACTERE GENERAL
8507	297	20435	100697.8	3300	104088.9	11 SOL ET SOUS-SOL
1618	113	.	.	330	.	111 PROSPECTION MINIERE ET PETROLIERE
6299	.	.	.	2970	.	112 EXPLORATION ET EXPLOITATION DES PLATEAUX IMMERGES
492	38	-	5519.7	-	5519.7	12 HYDROLOGIE TERRESTRE
3207	142	-	56658.4	-	56658.4	13 MERS ET OCEANS
3	81	3559	29514.1	-	29514.1	14 ATMOSPHERE
-	81	.	.	-	.	141 METEOROLOGIE
-	.	.	.	-	.	142 AERONAUTIQUE
-	-	-	2007.5	-	2007.5	19 AUTRES RECHERCHES
41941	1438	38747	360126.3	125	360254.7	2 AMENAGEMENT DES MILIEUX HUMAINS
1694	230	-	15566.2	-	15566.3	20 RECHERCHES A CARACTERE GENERAL
4378	71	1791	38144.4	125	38272.8	21 AMENAGEMENT DES ESPACES
3279	55	.	.	.	.	210 RECHERCHES A CARACTERE GENERAL
812	.	.	.	.	.	211 AMENAGEMENT DES ESPACES URBAINS
287	.	.	.	.	.	212 AMENAGEMENT DES ESPACES RURAUX
-	.	.	.	.	.	219 AMENAGEMENT DES AUTRES ESPACES
10622	460	23400	55278.5	-	55278.5	22 CONSTRUCTION ET AMENAGEMENT D'IMMEUBLES
5741	.	.	.	-	.	220 RECHERCHES A CARACTERE GENERAL
1978	.	.	.	-	.	221 IMMEUBLES RESIDENTIELS
2902	.	.	.	-	.	229 IMMEUBLES NON-RESIDENTIELS
9703	53	-	60187.9	-	60187.9	23 GENIE CIVIL
12123	406	9196	93415.8	-	93415.8	24 SYSTEMES DE TRANSPORTS
934	3	4360	84072.6	-	84072.6	25 SYSTEMES DE TELECOMMUNICATIONS
2488	215	-	12639.5	-	12639.5	26 APPROVISIONNEMENT EN FAU
2425	.	-	.	-	.	260 RECHERCHES A CARACTERE GENERAL
12	.	-	.	-	.	261 APPROVISIONNEMENT EN FAU POTABLE
51	.	-	.	-	.	269 APPROVISIONNEMENT EN EAU A USAGES ENERGIE- TIQUE, INDUSTRIEL ET AGRICOLE
-	-	-	821.1	-	821.1	29 AUTRES RECHERCHES

T A B. 11/2

C O R R E C T I V E S N A B S		DEUTSCH- LAND BR 1000 DM	FRANCE 1000 FF	ITALIA MIO LIT	NEDERLAND 1000 FL	BELGIQUE/ BELGIE 1000 FB
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	C300	557876	950700	21550	165840	1344427
30 RESEARCH OF A GENERAL NATURE	C308	203881	-	2787	57575	-
31 MEDICAL RESEARCH	C310	152353	784300	6159	25577	640749
32 RESEARCH ON FOOD HYGIENE AND NUTRITION	C320	38460	-	1630	-	57284
321 RESEARCH ON FOOD HYGIENE	C321	36360	-	500	-	-
322 RESEARCH ON NUTRITION	C322	2100	-	1125	-	-
33 RESEARCH ON POLLUTION	C330	142976	164400	4137	67468	536391
330 RESEARCH OF A GENERAL NATURE	C338	48258	74200	221	-	84546
331 WATER POLLUTION	C331	23266	13700	1734	-	95226
332 AIR POLLUTION	C332	44668	5700	707	15268	168016
333 POLLUTION OF THE SOIL AND SUBSTRATUM	C333	5343	2400	-	-	15616
334 NOISE ABATEMENT	C334	6225	3700	165	-	6729
335 RADIOACTIVE POLLUTION	C335	6500	64700	223	-	164811
339 OTHER POLLUTION	C339	8716	-	100	-	1044
39 OTHER RESEARCH	C390	20206	2000	6837	15220	110004
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	C400	1436354	1497300	121134	111400	3336455
40 RESEARCH OF A GENERAL NATURE	C408	-	68400	-	-	506336
41 PRIMARY ENERGY PRODUCTS AND ASSOCIATED PRODUCTS	C410	309300	335200	34165	-	427808
410 RESEARCH OF A GENERAL NATURE	C418	-	-	-	-	-
411 SOLID FOSSIL FUELS AND THEIR DERIVATIVES	C411	16700	-	-	-	16079
412 LIQUID AND GASEOUS FOSSIL FUELS, THEIR DERIVATIVES AND INDUSTRIAL GASES	C412	70300	-	14	-	-
413 NUCLEAR FUELS	C413	222300	335200	28751	-	411729
419 OTHER PRIMARY ENERGY PRODUCTS AND ASSOCIATED PRODUCTS	C419	-	-	-	-	-
42 PRIMARY ENERGY CONVERSION	C420	1060254	1004500	75800	111400	296874
420 RESEARCH OF A GENERAL NATURE	C428	-	1500	-	-	-
421 CONVERSION OF NON-NUCLEAR FUELS	C421	16700	-	-	-	-
422 NUCLEAR FISSION	C422	994954	918500	63770	-	-
423 THERMONUCLEAR FUSION	C423	48600	54500	4525	-	-
429 CONVERSION OF OTHER ENERGY SOURCES	C429	-	30100	2414	-	-
43 PRODUCTION, STORAGE, TRANSP. AND DISTRIBUTION OF ELECTRICITY, GAS, STEAM AND HOT WATER	C430	66800	70100	-	-	1626199
431 ELECTRICITY	C431	66800	-	-	-	1613661
432 GAS	C432	-	-	-	-	-
433 HEAT (STEAM AND HOT WATER)	C433	-	-	-	-	-
434 HYDROGEN (H2)	C434	-	-	-	-	-
44 ENERGY CONSERVATION	C440	-	19100	396	-	-
49 OTHER RESEARCH	C490	-	-	10773	-	479235
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	C500	258266	750300	13066	174710	1039341
50 RESEARCH OF A GENERAL NATURE	C508	119635	332500	2703	90524	-
51 DOMESTIC AND WILD ANIMAL PRODUCTS	C510	11024	140700	2505	27671	281856
511 VETERINARY MEDICINE	C511	-	-	98	9389	46565
52 CROPS (INCLUDING FORESTRY) AND WINE	C520	106083	229100	7724	49689	671288
53 FISHING AND FISHERY PRODUCTS	C530	18664	48000	1460	6826	32832
59 OTHER RESEARCH	C590	2860	-	3674	-	53374
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	C600	884138	2085800	60350	112453	2073574
60 RESEARCH OF A GENERAL NATURE	C608	298254	159000	1330	-	10300
61 METALLIFEROUS CRES AND PRELIMINARY PROCESS- ING OF METALS	C610	32000	66200	2913	-	387773
610 RESEARCH OF A GENERAL NATURE	C618	-	66200	19	-	-
611 EXTRACTION AND DRESSING OF METALLIFEROUS CRES	C611	-	-	193	-	-
612 PRODUCT OF THE IRON AND STEEL INDUSTRY	C612	32000	-	-	-	327979
613 NON-FERROUS METALS	C613	-	-	630	-	59795
62 OTHER MINERALS NOT USED FOR ENERGY PRODUC- TION AND THEIR PROCESSING	C620	-	10700	2096	-	60842
63 PRODUCTS OF THE CHEMICAL INDUSTRY (INCL. SYNTHETIC AND MAN-MADE FIBRES)	C630	-	131400	13343	-	790126
631 PETROCHEMICALS AND COAL BY-PRODUCTS	C631	-	-	4	-	15834
632 PHARMACEUTICAL PRODUCTS	C632	-	-	8303	-	178883
64 METAL ARTICLES, MECHANICAL MACHINERY AND EQUIPMENT	C640	-	68300	16121	-	153482

UNITED KINGDOM 1000 PSTERL	IRELAND 1000 ISTERL	DANMARK 1000 DKR	E U R 9 1000 UC	CEE/CCB 1000 UCs	EUR 9 UAC/CCB 1000 EUR	OBJECTIFS N A O S
45574	1239	120765	510499.9	25582	936747.9	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
844	176	-	84825.6	-	84825.6	30 RECHERCHES A CARACTERE GENERAL
28765	510	91780	257041.5	2278	259382.4	31 RECHERCHES MEDICALES
2544	25	7649	19356.5	-	19356.5	32 RECHERCHES SUR L'HYGIENE ALIMENTAIRE ET LA NUTRITION
1934	.	.	.	.	.	321 RECHERCHES SUR L'HYGIENE ALIMENTAIRE
532	.	.	.	.	.	322 RECHERCHES SUR LA NUTRITION
8374	528	21336	122172.5	23094	145903.6	33 RECHERCHES SUR LES NUISANCES
2674	51	.	.	11454	.	330 RECHERCHES A CARACTERE GENERAL
2443	279	.	.	.	.	331 POLLUTION DE L'EAU
1816	52	.	.	.	.	332 POLLUTION DE L'AIR
-	31	.	.	.	.	333 POLLUTION DU SOL ET DU SOUS-SOL
1040	22	.	.	.	.	334 LUTTE CONTRE LE BRUIT
386	.	.	.	11640	.	335 NUISANCES RADIOACTIVES
16	93	.	.	.	.	339 AUTRES NUISANCES
5047	-	-	27063.4	210	27279.2	39 AUTRES RECHERCHES
126793	188	41482	1096970.0	101897	1201679.1	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
815	124	.	113922.9	14433	128754.2	40 RECHERCHES A CARACTERE GENERAL
22387	-	10897	226105.6	33058	260075.9	41 PRODUITS ENERGETIQUES PRIMAIRES ET ASSIMILES
-	-	.	.	.	.	410 RECHERCHES A CARACTERE GENERAL
556	-	.	.	7800	.	411 COMBUSTIBLES FOSSILES SOLIDES ET DERIVES
5557	-	.	.	13200	.	412 COMBUSTIBLES FOSSILES LIQUIDES ET GAZEUX
16228	-	.	.	12058	.	413 COMBUSTIBLES NUCLEAIRES
47	-	.	.	-	.	419 AUTRES PRODUITS ENERGETIQUES PRIMAIRES ET ASSIMILES
102899	-	30585	757353.6	47546	806211.7	42 PREMIERE CONVERSION ENERGETIQUE
638	-	.	.	-	.	420 RECHERCHES A CARACTERE GENERAL
-	-	.	.	-	.	421 CONVERSION DES COMBUSTIBLES NON NUCLEAIRES
95291	-	.	.	12399	.	422 FISSION NUCLEAIRE
5269	-	.	.	29433	.	423 FUSION THERMONUCLEAIRE
1702	-	.	.	5714	.	429 CONVERSION D'AUTRES SOURCES D'ENERGIE
311	-	-	66260.5	4728	71119.0	43 PRODUCTION, STOCKAGE, TRANSPORT ET DISTRIB. D'ELECTR., DE GAZ, DE VAPEUR ET D'EAU CHAUDE
-	-	-	.	-	.	431 ELECTRICITE
-	-	-	.	-	.	432 GAZ
-	-	-	.	-	.	433 CHALEUR (VAPEUR ET EAU CHAUDE)
-	-	-	.	4728	.	434 HYDROGENE (H2)
381	48	-	4135.5	2132	.	44 ECONOMIES D'ENERGIE
-	16	-	20093.0	-	20093.0	49 AUTRES RECHERCHES
70916	8353	123937	423417.1	3867	427390.8	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
8769	790	33726	139672.1	362	140044.1	50 RECHERCHES A CARACTERE GENERAL
24938	4100	38278	89210.3	2407	91683.7	51 PRODUITS ANIMAUX DE L'AGRICULTURE ET DE LA CHASSE
1794	1434	.	.	1233	.	511 MEDECINE VETERINAIRE
28842	2309	48845	157333.9	1098	155462.2	52 PRODUITS VEGETAUX (Y COMPRIS LA SYLVICULTURE) ET VINS
5347	628	3088	26702.5	-	25702.5	53 PRODUITS DE LA PECHE ET DE LA PISCICULTURE
3021	526	-	10498.3	-	10498.3	59 AUTRES RECHERCHES
115509	4153	95451	935268.3	18966	1004757.7	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
7010	1338	88115	.	9950	.	60 RECHERCHES A CARACTERE GENERAL
2319	.	-	.	8500	.	61 MINERAIS METALLIQUES ET PREMIERE TRANSFORMATION DES METAUX
585	.	-	.	-	.	610 RECHERCHES A CARACTERE GENERAL
555	.	-	.	-	.	611 EXTRACTION ET PREPARATION DES MINERAIS METALLIQUES
707	.	-	.	8500	.	612 PRODUITS SIDERURGIQUES
473	.	-	.	-	.	613 METAUX NON FERREUX
-	.	-	.	-	.	62 AUTRES MINERAUX NON ENERGETIQUES ET LEUR TRANSFORMATION
1536	378	-	.	45	.	63 PRODUITS DE L'INDUSTRIE CHIMIQUE (Y COMPRIS LES FIBRES ARTIFICIELLES ET SYNTHETIQUES)
380	.	-	.	-	.	631 PRODUITS DE LA PETROCHIMIE ET DE LA CARBOCHIMIE
-	.	-	.	-	.	632 PRODUITS PHARMACEUTIQUES
1260	697	-	.	-	.	64 OUVRAGES EN METAUX, MACHINES ET MATERIEL MECANIQUE

T A B. 11/3

OBJECTIVES NARS		DEUTSCH- LAND FR 1000 DM	FRANCE 1000 FF	ITALIA MIO LIT	NETHERLAND 1000 FL	BELGIUM/ BELGIE 1000 FB
64 ELECTRICAL, ELECTROMECHANICAL AND ELECTRONIC ENGINEERING	0650	253950	779100	13849	.	258958
650 RESEARCH OF A GENERAL NATURE	0658	-	-	-	.	.
651 OFFICE MACHINERY AND DATA-PROCESSING EQUIPMENT	0651	183300	330900	6968	.	.
652 TELECOMMUNICATIONS EQUIPMENT, ELECTRONIC COMPONENTS AND OTHER APPARATUS	0652	70650	354800	4351	.	.
659 MANUFACTURE OF OTHER ELECTRICAL PRODUCTS AND EQUIPMENT	0659	-	93400	2437	.	.
66 PRECISION AND OPTICAL INSTRUMENTS	0660	3300	-	93	.	18227
67 CIVIL TRANSPORT EQUIPMENT	0670	187039	760400	5705	.	19250
670 RESEARCH OF A GENERAL NATURE	0678	-	2000	347	.	760
671 AERONAUTICAL ENGINEERING	0671	177950	752100	.	29787	11448
672 ROAD TRANSPORT EQUIPMENT	0672	450	2500	1103	.	168
673 RAIL TRANSPORT EQUIPMENT	0673	-	-	42	.	-
674 MARINE TRANSPORT EQUIPMENT	0674	8639	3800	256	.	5387
679 OTHER TRANSPORT EQUIPMENT	0679	-	-	.	.	1486
68 PRODUCTS OF OTHER INDUSTRIES	0680	36391	110700	3192	10277	278642
680 RESEARCH OF A GENERAL NATURE	0688	-	15100	.	.	-
681 FOOD, DRINK AND TOBACCO	0681	36321	95600	1011	.	86489
682 TEXTILE PRODUCTS	0682	70	-	514	.	91405
683 RUBBER PRODUCTS	0683	-	-	315	.	-
684 PLASTIC PRODUCTS	0684	-	-	.	.	-
686 UTILIZATION OF INDUSTRIAL, AGRICULTURAL AND DOMESTIC WASTE FOR NON-ENERGY PURPOSES	0686	-	-	.	.	-
689 MISCELLANEOUS PRODUCTS	0689	-	-	568	.	50059
69 OTHER RESEARCH	0690	73204	-	1708	14505	95973
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	560093	251100	6379	149717	1525199
70 RESEARCH OF A GENERAL NATURE	0708	177861	77800	945	21715	729494
71 SYSTEMS ANALYSIS AND PLANNING	0710	40246	69100	2636	11558	344090
72 EDUCATION, VOCATIONAL TRAINING AND RETRAINING	0720	110824	27100	492	50545	64065
73 CULTURAL QUESTIONS	0730	31673	19100	-	31885	14101
74 MANAGEMENT AND ORGANIZATION IN BUSINESS AND ADMINISTRATION	0740	13812	2300	273	12966	43631
741 HOSPITAL MANAGEMENT AND ORGANIZATION	0741	.	.	.	-	.
75 IMPROVEMENT OF WORKING CONDITIONS	0750	81402	29000	-	2700	-
76 SOCIAL ACTION	0760	3821	2400	75	7166	-
77 SOCIAL RELATIONSHIPS AND CONFLICTS	0770	49375	20200	25	6402	231780
78 ORGANIZATION OF LEISURE	0780	-	3500	50	2676	-
79 OTHER RESEARCH	0790	51079	600	1883	2104	58039
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	587570	966500	51664	63344	993304
80 RESEARCH OF A GENERAL NATURE	0808	27500	-	757	5140	66218
81 RESEARCH ON LAUNCHERS AND SATELLITES	0810	547079	922500	50907	58204	878644
811 LAUNCHING SYSTEMS	0811	69800	.	3461	-	418866
812 SCIENTIFIC EXPLORATION	0812	157739	.	17263	39104	433208
813 APPLICATIONS	0813	305740	.	12840	2500	25589
814 MIXED SYSTEMS	0814	14000	.	14327	-	-
89 OTHER RESEARCH	0890	13391	44000	-	-	48442
9 DEFENCE	0900	1490528	5200000	26324	76558	116793
10 GENERAL PROMOTION OF KNOWLEDGE	1000	6729574	4461800	260099	1283040	8460896
100 RESEARCH OF A GENERAL NATURE	1008	143166	103000	172	-	671349
101 RESEARCH IN THE EXACT AND NATURAL SCIENCES	1010	2786312	3595800	122711	468324	2688928
1010 RESEARCH OF A GENERAL NATURE	1018	1766494	1543300	500	-	-
1011 LOGIC, MATHEMATICS AND PHYSICS	1011	642338	1365100	62579	67258	1376478
1012 ASTRONOMY AND ASTROPHYSICS, EARTH SCIENCES AND CHEMISTRY	1012	155690	376900	42221	7400	753552
1013 BIOSCIENCES	1013	208290	310500	17411	-	500537
1019 OTHER DISCIPLINES	1019	13500	-	-	-	-
102 AGRONOMIC RESEARCH	1020	351000	-	10859	81845	239261
103 MEDICAL RESEARCH	1030	1555693	437500	40913	265432	1826383
104 ENGINEERING RESEARCH	1040	967538	-	26910	211852	1316688
105 RESEARCH IN THE SOCIAL SCIENCES AND HUMANITIES	1050	888869	325500	58534	255587	1702707
109 OTHER DISCIPLINES	1090	-	-	-	-	15580
EXPENDITURE NOT ITEMIZED	9000	-	77500	2000	50503	-
TOTAL EXPENDITURE	9900	13057442	17632400	584807	7364191	15751568



UNITED KINGDOM 1000 PSTERL	IRELAND 1000 ISTERL	DANMARK 1000 DKR	EUR 9 1000 UC	CC/C/CCB 1000 UC	EUR 9 CC/C/CCF 1000 EUR	OBJECTIFS N A B S
11594	-	-	-	237	-	65 CONSTRUCTION ELECTRIQUE, ELECTROMECHANIQUE ET ELECTRONIQUE
236	-	-	-	-	-	650 RECHERCHES A CARACTERE GENERAL
7183	-	-	-	237	-	651 MACHINES DE BUREAU ET INSTALLATIONS POUR LE TRAITMENT DE L'INFORMATION
4172	-	-	-	-	-	652 MATERIEL DE TELECOMMUNICATION, COMPOSANTS ET AUTRES APPAREILS ELECTRONIQUES
3	-	-	-	-	-	659 AUTRES CONSTRUCTIONS ET MATERIELS ELECTRIQUES
611	139	-	-	-	-	66 INSTRUMENTS DE PRECISION ET D'OPTIQUE
76689	-	-	-	-	-	67 MATERIEL DE TRANSPORT CIVIL
1166	-	-	-	-	-	670 RECHERCHES A CARACTERE GENERAL
69474	-	-	-	-	-	671 CONSTRUCTION AERONAUTIQUE
608	-	-	-	-	-	672 MATERIEL DE TRANSPORT ROUTIER
2199	-	-	-	-	-	673 MATERIEL DE TRANSPORT FERROVIAIRE
2820	-	-	-	-	-	674 MATERIEL DE TRANSPORT NAVAL
422	-	-	-	-	-	679 AUTRE MATERIEL DE TRANSPORT
3743	1188	7336	49278.6	234	49618.5	68 PRODUITS DES AUTRES INDUSTRIES
-	-	-	-	-	-	680 RECHERCHES A CARACTERE GENERAL
884	-	-	-	-	-	681 PRODUITS ALIMENTAIRES, POISSONS ET TABACS
586	-	-	-	45	-	682 PRODUITS DE L'INDUSTRIE TEXTILE
-	-	-	-	-	-	683 PRODUITS EN CAOUTCHOUC
14	-	-	-	-	-	684 PRODUITS EN MATIERES PLASTIQUES
762	-	-	-	189	-	686 EXPLICIT.A DES FINS NON ENERGETIQUES DES DECHETS INDUSTR., AGRICOLLES ET DOMESTIQUES
1497	-	-	-	-	-	689 PRODUITS DES INDUSTRIES DIVERSES
10746	413	-	46549.8	-	46549.8	69 AUTRES RECHERCHES
23210	1640	55906	340626.8	3366	344085.7	7 PROBLEMES DE LA VIE EN SOCIETE
829	409	-	92416.1	1541	93999.6	70 RECHERCHES A CARACTERE GENERAL
752	136	12563	39872.4	-	39872.4	71 ETUDES DE SYSTEMES ET PROGRAMMATION
4821	560	6577	64361.9	90	64454.4	72 EDUCATION, FORMATION ET READAPTATION
-	-	18292	25215.1	-	25215.1	73 PROBLEMES CULTURELS
6065	138	4289	19054.0	-	19054.0	74 GESTION ET ORGANISATION DES ENTREPRISES ET DES INSTITUTIONS
5393	-	-	-	-	-	741 GESTION ET ORGANISATION DES HOPITAUX
395	-	398	31585.0	1595	33224.0	75 AMELIORATION DES CONDITIONS DE TRAVAIL
2329	93	48	7232.1	140	7376.0	76 ACTION SOCIALE
4248	-	13739	33239.7	-	33239.7	77 RAPPORTS SOCIAUX ET CONFLITS
197	176	-	1950.5	-	1950.5	78 ORGANISATION DES LOISIRS
3574	128	-	25699.6	-	25699.6	79 AUTRES RECHERCHES
37775	8	57958	492249.4	957	493245.1	8 EXPLOITATION ET EXPLOITATION DE L'ESPACE
-	8	47558	18420.3	-	18420.3	80 RECHERCHES A CARACTERE GENERAL
37775	-	10400	461357.0	957	462360.4	81 RECHERCHES SUR LES LANCEURS ET LES SATELLITES
1640	-	-	-	-	-	811 SYSTEMES DE LANCEMENT
7224	-	-	-	-	-	812 EXPLORATION SCIENTIFIQUE
25739	-	-	-	957	-	813 SYSTEMES D'APPLICATION
3172	-	-	-	-	-	814 SYSTEMES MIXTES
-	-	-	12432.1	-	12432.1	89 AUTRES RECHERCHES
780873	-	11264	2480600.0	-	2480600.0	9 DEFENSE
382872	2734	887016	4300092.0	342	4300443.4	10 PROMOTION GENERALE DES CONNAISSANCES
160087	83	192905	327710.3	-	327710.3	100 RECHERCHES A CARACTERE GENERAL
132581	1513	275211	1959445.0	342	1999796.4	101 RECHERCHES EN SCIENCES EXACTES ET NATURELLES
128203	-	-	-	-	-	1010 RECHERCHES A CARACTERE GENERAL
2201	-	-	-	-	-	1011 LOGIQUE, MATHEMATIQUES ET PHYSIQUE
9	73	-	-	-	-	1012 ASTRONOMIE ET ASTROPHYSIQUE, SCIENCES DE LA TERRE ET CHIMIE
2168	-	-	-	-	-	1013 SCIENCES DE LA VIE
-	-	-	-	-	-	1019 AUTRES DISCIPLINES
20282	106	44524	183771.1	-	183771.1	102 RECHERCHES EN SCIENCES AGRONOMIQUES
39736	263	125859	798373.6	-	798373.6	103 RECHERCHES EN SCIENCES MEDICALES
20171	78	77760	456300.7	-	456300.7	104 RECHERCHES EN SCIENCES DE L'INGENIEUR
8295	691	170757	531733.6	-	531733.6	105 RECHERCHES EN SCIENCES SOCIALES ET HUMAINES
1719	-	-	2755.5	-	2755.5	109 AUTRES DISCIPLINES
-	100	-	29880.7	-	29880.7	CREDITS NON VENTILES
1637798	20411	1496520	11186081.0	158402	11346854.4	TOTAL DES CREDITS

R&D financing by section and subsection of NABS  
1976

in 1000 Eur, at current values and exchange rates

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	74255.8	93416.1	8800.8	7252.9	11315.0
10 RESEARCH OF A GENERAL NATURE	0108	16076.9	957.1	189.8	-	4643.2
11 SOIL AND SUBSTRATUM	0110	32096.0	48515.0	2595.8	356.8	1990.9
111 OIL AND MINERAL PROSPECTING	0111	8491.8	2128.7	7.6	-	45.1
112 EXPLORATION AND EXPLOITATION OF SUBMARINE SHELVES	0112	3554.9	6221.1	278.9	-	-
12 LAACHYDROLOGY	0120	3257.1	1155.1	278.9	-	77.4
13 SEAS AND OCEANS	0130	12454.3	29241.0	4684.1	5132.5	402.2
14 ATMOSPHERE	0140	10371.6	13547.9	1052.2	1763.6	2192.7
141 METEOROLOGY	0141	1294.1	6171.6	830.2	1763.6	1373.9
142 AERONAUTICS	0142	9077.5	.	72.1	-	-
19 OTHER RESEARCH	0190	-	-	-	-	2007.5
2 PLANNING OF THE HUMAN ENVIRONMENT	0200	98076.4	136188.4	7556.9	45391.5	6400.3
20 RESEARCH OF A GENERAL NATURE	0208	5305.2	808.6	189.8	6537.9	-
21 LAND DEVELOPMENT	0210	9791.6	17128.8	1852.0	2448.5	387.9
210 RESEARCH OF A GENERAL NATURE	0218	6665.7	5165.0	1063.6	.	.
211 URBAN DEVELOPMENT	0211	3063.8	5330.0	.	.	.
212 RURAL DEVELOPMENT	0212	62.1	6633.7	.	.	.
219 DEVELOPMENT OF OTHER AREAS	0219	-	-	.	.	.
22 CONSTRUCTION AND PLANNING OF BUILDINGS	0220	8161.0	11716.2	690.7	12371.7	3581.0
220 RESEARCH OF A GENERAL NATURE	0228	6055.2	11716.2	690.7	4277.1	.
221 RESIDENTIAL BUILDINGS	0221	343.0	-	-	7145.5	.
229 NON-RESIDENTIAL BUILDINGS	0229	1762.8	-	-	909.1	1877.3
23 CIVIL ENGINEERING	0230	20290.3	13828.4	730.6	10836.4	684.2
24 TRANSPORT SYSTEMS	0240	50424.0	11485.2	180.3	11684.7	691.9
25 TELECOMMUNICATIONS SYSTEMS	0250	15.6	79752.7	2052.2	-	355.2
26 WATER SUPPLY	0260	3751.4	1468.7	1341.4	1508.8	700.2
260 RESEARCH OF A GENERAL NATURE	0268	3751.4	1468.7	829.2	-	694.6
261 DRINKING WATER SUPPLY	0261	-	-	552.2	1508.8	5.6
269 WATER SUPPLY FOR THE ENERGY SECTOR AND FOR INDUSTRIAL AND AGRICULTURAL USE	0269	-	-	-	-	-
29 OTHER RESEARCH	0290	337.4	-	480.1	3.6	-

Crédits pour la RSD par chapitres, divisions et rubriques de la NABS  
1976  
en 1000 Eur, à prix et taux de change courants

UNITED KINGDOM	IRELAND	DANMARK	EUR 5	CEC/CCE	EUR 5 CEC/CCE	OBJECTIFS NABS
17415.6	790.4	3139.4	216385.7	3391.1	215776.8	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
121.2	-	-	21988.1	-	21988.1	10 RECHERCHES A CARACTERE GENERAL
12049.1	420.7	2673.7	100657.8	3391.1	104088.9	11 SOL ET SOUS-SOL
2292.1	160.1	.	.	339.1	.	111 PROSPECTION MINIERE ET PETROLIERE
8922.7	.	.	.	3052.0	.	112 EXPLORATION ET EXPLOITATION DES PLATEAUX IMMERGES
697.4	53.8	-	5515.7	-	5519.7	12 HYDROLOGIE TERRESTRE
4543.2	201.1	-	56658.4	-	56658.4	13 MERS. ET OCEANS
4.7	114.7	465.7	29514.1	-	29514.1	14 ATMOSPHERE
-	114.7	.	.	-	.	141 METEOROLOGIE
-	.	.	.	-	.	142 AERONAUTIE
-	-	-	2007.5	-	2007.5	19 AUTRES RECHERCHES
59406.3	2036.8	5069.6	360126.2	128.4	366254.7	2 AMENAGEMENT DES MILIEUX HUMAINS
2399.1	325.8	-	15566.2	-	15566.3	20 RECHERCHES A CAPACTERE GENERAL
6200.8	100.6	234.3	38144.4	128.4	38272.8	21 AMENAGEMENT DES ESPACES
4643.9	77.9	.	.	.	.	210 RECHERCHES A CARACTERE GENERAL
1150.7	.	.	.	.	.	211 AMENAGEMENT DES ESPACES URBAINS
406.1	.	.	.	.	.	212 AMENAGEMENT DES ESPACES RURAUX
-	.	.	.	.	.	219 AMENAGEMENT DES AUTRES ESPACES
15044.8	651.6	3061.6	55278.5	-	55278.5	22 CONSTRUCTION ET AMENAGEMENT D'IMMEUBLES
8132.4	.	.	.	-	.	220 RECHERCHES A CAPACTERE GENERAL
2802.1	.	.	.	-	.	221 IMMEUBLES RESIDENTIELS
4110.3	.	.	.	-	.	229 IMMEUBLES NON-RESIDENTIELS
13742.9	75.1	-	60187.9	-	60187.9	23 GENIE CIVIL
17171.6	575.1	1203.2	93415.8	-	93415.8	24 SYSTEMES DE TRANSPORTS
1322.3	4.2	570.5	84072.6	-	84072.6	25 SYSTEMES DE TELECOMMUNICATIONS
3524.7	304.5	-	12639.5	-	12639.5	26 APPROVISIONNEMENT EN EAU
3434.9	.	-	.	-	.	260 RECHERCHES A CAPACTERE GENERAL
17.3	.	-	.	-	.	261 APPROVISIONNEMENT EN EAU POTABLE
77.4	.	-	.	-	.	269 APPROVISIONNEMENT EN EAU A USAGES ENERGIE- TIQUE, INDUSTRIEL ET AGRICOLE
-	-	-	821.1	-	821.1	29 AUTRES RECHERCHES

T A B. 12/2

C B J E C T I V E S N A P S		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	173964.1	156881.6	20446.0	45425.6	27630.7
30 RESEARCH OF A GENERAL NATURE	C308	63576.8	-	2644.2	17160.6	-
31 MEDICAL RESEARCH	0310	47508.7	129422.8	5843.5	7623.4	13168.7
32 RESEARCH ON FOOD HYGIENE AND NUTRITION	C320	11993.1	-	1546.5	-	1177.3
321 RESEARCH ON FOOD HYGIENE	0321	11338.2	.	474.4	-	.
322 RESEARCH ON NUTRITION	0322	654.8	.	1067.4	-	.
33 RESEARCH ON POLLUTION	0330	44584.6	27128.8	3925.1	20109.2	11023.9
330 RESEARCH OF A GENERAL NATURE	0338	15048.4	12244.3	209.7	.	1745.8
331 WATER POLLUTION	0331	7255.1	2260.7	1645.2	.	1957.1
332 AIR POLLUTION	0332	13529.0	940.6	670.8	4550.7	3453.1
333 POLLUTION OF THE SOIL AND SUBSTRATUM	C333	1666.1	396.0	.	.	320.9
334 NOISE ABATEMENT	0334	1941.2	610.6	156.5	.	138.3
335 RADIOACTIVE POLLUTION	0335	2026.9	10676.6	211.6	.	3387.2
339 OTHER POLLUTION	C339	2717.9	-	94.9	.	21.5
39 OTHER RESEARCH	C390	6300.9	330.0	6486.7	4536.4	2260.8
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	447902.5	247079.9	114928.3	33203.4	68570.8
40 RESEARCH OF A GENERAL NATURE	C400	-	11287.2	-	-	10406.2
41 PRIMARY ENERGY PRODUCTS AND ASSOCIATED PRODUCTS	0410	56449.9	55313.7	32414.7	-	8792.3
410 RESEARCH OF A GENERAL NATURE	0418	-	-	.	-	-
411 SOLID FOSSIL FUELS AND THEIR DERIVATIVES	0411	5207.6	-	.	-	330.5
412 LIQUID AND GASEOUS FOSSIL FUELS, THEIR DERIVATIVES AND INDUSTRIAL GASSES	C412	21521.9	-	13.3	-	-
413 NUCLEAR FUELS	0413	69320.4	55313.7	27278.1	-	8461.9
419 OTHER PRIMARY ENERGY PRODUCTS AND ASSOCIATED PRODUCTS	0419	-	-	.	-	-
42 PRIMARY ENERGY CONVERSION	0420	330622.1	165759.5	71916.8	33203.4	6101.4
420 RESEARCH OF A GENERAL NATURE	C428	-	247.5	.	-	.
421 CONVERSION OF NON-NUCLEAR FUELS	0421	5207.6	-	.	-	.
422 NUCLEAR FISSION	0422	310259.4	151568.1	60503.1	-	.
423 THERMONUCLEAR FUSION	C423	15155.1	8993.4	4293.2	-	.
429 CONVERSION OF OTHER ENERGY SOURCES	0429	-	4967.0	2290.3	-	.
43 PRODUCTION, STORAGE, TRANSP. AND DISTRIBUTION OF ELECTRICITY, GAS, STEAM AND HOT WATER	0430	20830.4	11567.7	-	-	33421.6
431 ELECTRICITY	C431	20830.4	.	-	-	33164.0
432 GAS	0432	-	.	-	-	.
433 HEAT (STEAM AND HOT WATER)	0433	-	.	-	-	.
434 HYDROGEN (H2)	0434	-	.	-	-	.
44 ENERGY CONSERVATION	C440	-	3151.8	375.7	-	.
49 OTHER RESEARCH	C490	-	-	10221.1	-	9849.2
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	80535.8	123812.2	17140.5	52073.4	21360.5
50 RESEARCH OF A GENERAL NATURE	C508	37306.1	54868.1	2564.5	26981.2	-
51 DOMESTIC AND WILD ANIMAL PRODUCTS	C510	3437.6	23217.9	2376.7	8247.5	5792.7
511 VETERINARY MEDICINE	0511	.	.	93.0	2500.4	957.1
52 CROPS (INCLUDING FORESTRY) AND WINE	0520	33080.2	37805.4	7328.3	14810.1	13796.3
53 FISHING AND FISHERY PRODUCTS	C530	5620.0	7920.8	1385.2	2034.5	674.8
59 OTHER RESEARCH	C590	891.8	-	3485.8	-	1056.9
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	275703.3	344192.3	57258.3	33517.3	42616.1
60 RESEARCH OF A GENERAL NATURE	0608	93005.4	26237.7	1261.9	.	211.7
61 METALLIFEROUS ORES AND PRELIMINARY PROCESSING OF METALS	C610	9578.7	10924.1	2763.8	.	7969.5
610 RESEARCH OF A GENERAL NATURE	0618	-	10924.1	18.0	.	-
611 EXTRACTION AND DRESSING OF METALLIFEROUS ORES	0611	-	-	183.1	.	-
612 PRODUCT OF THE IRON AND STEEL INDUSTRY	C612	9578.7	-	.	.	6740.6
613 NON-FERROUS METALS	0613	-	-	597.7	.	1228.9
62 OTHER MINERALS NOT USED FOR ENERGY PRODUCTION AND THEIR PROCESSING	0620	-	1765.7	1988.6	.	1250.4
63 PRODUCTS OF THE CHEMICAL INDUSTRY (INCL. SYNTHETIC AND MAN-MADE FIBRES)	C630	-	21683.2	12659.4	.	16238.7
631 PETROCHEMICALS AND COAL BY-PRODUCTS	C631	-	-	3.8	.	325.4
632 PHARMACEUTICAL PRODUCTS	C632	-	-	7877.6	.	3676.4
64 METAL ARTICLES, MECHANICAL MACHINERY AND EQUIPMENT	0640	-	11270.7	15295.1	.	3154.4

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CBC/CEE	OBJECTIFS NABS
64552.4	1755.0	15800.8	510459.5	26288.0	536747.9	1 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
1194.8	249.3	-	84825.6	-	84825.6	30 RECHERCHES A CARACTERE GENERAL
40743.9	722.4	12008.4	257041.5	2340.9	259382.4	31 RECHERCHES MEDICALES
3603.4	35.4	1000.8	19356.5	-	19356.5	32 RECHERCHES SUR L'HYGIENE ALIMENTAIRE ET LA NUTRITION
2739.1	.	.	.	-	.	321 RECHERCHES SUR L'HYGIENE ALIMENTAIRE
754.1	.	.	.	-	.	322 RECHERCHES SUR LA NUTRITION
11861.7	747.9	2791.6	122172.5	23731.3	145903.8	33 RECHERCHES SUR LES NUISANCES
3787.6	72.2	.	.	11770.1	.	330 RECHERCHES A CARACTERE GENERAL
3460.1	395.2	.	.	.	.	331 POLLUTION DE L'EAU
2572.3	73.7	.	.	.	.	332 POLLUTION DE L'AIR
-	43.9	.	.	.	.	333 POLLUTION DU SOL ET DU SOUS-SOL
1473.5	31.2	.	.	.	.	334 LUTTE CONTRE LE BRUIT
546.2	.	.	.	11961.2	.	335 NUISANCES RADIOACTIVES
22.0	131.7	.	.	.	.	339 AUTRES NUISANCES
7148.5	-	-	21063.4	215.8	27279.2	39 AUTRES RECHERCHES
179593.1	266.3	5427.5	1096970.0	104709.1	1201679.1	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
1153.9	175.6	-	113 922.9	14831.3	128754.2	40 RECHERCHES A CARACTERE GENERAL
31709.5	-	1425.8	226105.6	33970.3	260075.9	41 PRODUITS ENERGETIQUES PRIMAIRES ET ASSIMILES
-	-	.	.	-	.	410 RECHERCHES A CARACTERE GENERAL
787.1	-	.	.	8015.2	.	411 COMBUSTIBLES FOSSILES SOLIDES ET DERIVES
7871.1	-	.	.	13564.3	.	412 COMBUSTIBLES FOSSILES LIQUIDES ET GAZEUX
22985.2	-	.	.	12390.8	.	413 COMBUSTIBLES NUCLEAIRES
66.1	-	.	.	-	.	419 AUTRES PRODUITS ENERGETIQUES PRIMAIRES ET ASSIMILES
145748.9	-	4001.7	757353.6	48858.1	806211.7	42 PREMIERE CONVERSION ENERGETIQUE
903.6	-	.	.	-	.	420 RECHERCHES A CARACTERE GENERAL
-	-	.	.	-	.	421 CONVERSION DES COMBUSTIBLES NON NUCLEAIRES
134973.4	-	.	.	12741.2	.	422 FISSION NUCLEAIRE
7461.8	-	.	.	30245.3	.	423 FUSION THERMONUCLEAIRE
2410.1	-	.	.	5971.9	.	429 CONVERSION D'AUTRES SOURCES D'ENERGIE
440.8	-	-	66260.5	4858.5	71119.0	43 PRODUCTION, STOCKAGE, TRANSPORT ET DISTRIB. D'ELECTR., DE GAZ, DE VAPEUR ET D'EAU CHAUDE
-	-	.	.	-	.	431 ELECTRICITE
-	-	.	.	-	.	432 GAZ
-	-	.	.	-	.	433 CHALEUR (VAPEUR ET EAU CHAUDE)
-	-	.	.	4858.5	.	434 HYDROGENE (H2)
539.9	68.0	-	.	2190.8	.	44 ECONOMIES D'ENERGIE
-	22.7	-	20093.0	-	20093.0	49 AUTRES RECHERCHES
100447.7	11831.4	16215.8	423417.1	3973.7	427390.8	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
12420.6	1119.0	4412.7	139672.1	372.0	140044.1	50 RECHERCHES A CARACTERE GENERAL
35322.3	5807.4	5008.3	89210.3	2473.4	91683.7	51 PRODUITS ANIMAUX DE L'AGRICULTURE ET DE LA CHASSE
2540.8	2031.2	-	.	1267.0	.	511 MEDECINE VETERINAIRE
40852.5	3270.5	6390.8	157333.9	1128.3	158462.2	52 PRODUITS VEGETAUX (Y COMPRIS LA SYLVICULTURE) ET VINS
7573.6	889.5	404.0	26702.5	-	26702.5	53 PRODUITS DE LA PECHE ET DE LA PISCICULTURE
4278.7	745.0	-	10458.3	-	10498.3	59 AUTRES RECHERCHES
163610.1	5882.4	12488.7	935268.3	19489.4	1004757.7	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
9928.6	1895.2	11528.9	.	10224.6	.	60 RECHERCHES A CARACTERE GENERAL
3285.4	.	-	.	8734.6	.	61 MINERAIS METALLIQUES ET PREMIERE TRANSFORMATION DES METAUX
828.0	.	.	.	-	.	610 RECHERCHES A CARACTERE GENERAL
785.5	.	.	.	-	.	611 EXTRACTION ET PREPARATION DES MINERAIS METALLIQUES
1001.2	.	.	.	8734.6	.	612 PRODUITS SIDERURGICQUES
670.6	.	.	.	-	.	613 METAUX NON FERREUX
-	.	.	.	-	.	62 AUTRES MINERAUX NON ENERGETIQUES ET LEUR TRANSFORMATION
2175.6	533.4	.	.	46.2	.	63 PRODUITS DE L'INDUSTRIE CHIMIQUE (Y COMPRIS LES FIBRES ARTIFICIELLES ET SYNTHETIQUES)
538.4	.	.	.	-	.	631 PRODUITS DE LA PETROCHIMIE ET DE LA CARBOCHIMIE
-	.	.	.	-	.	632 PRODUITS PHARMACUTIQUES
1785.2	987.3	.	.	-	.	64 OUVRAGES EN METAUX, MACHINES ET MATERIEL MECANIQUES

OBJECTIVES NAUS		DEUTSCH- LAND BR	FRANCE	ITALIA	NETERLAND	BELGIUM/ BELGIE
65 ELECTRICAL, ELECTROMECHANICAL AND ELECTRONIC ENGINEERING	0650	79189.9	128564.7	13139.5	.	5322.1
650 RESEARCH OF A GENERAL NATURE	0650	-	-	-	.	.
651 OFFICE MACHINERY AND DATA-PROCESSING EQUIPMENT	0651	57159.0	54604.1	6611.0	.	.
652 TELECOMMUNICATIONS EQUIPMENT, ELECTRONIC COMPONENTS AND OTHER APPARATUS	0652	22031.0	50548.0	4128.1	.	.
659 MANUFACTURE OF OTHER ELECTRICAL PRODUCTS AND EQUIPMENT	0659	-	15412.6	2312.2	.	.
66 PRECISION AND OPTICAL INSTRUMENTS	0660	1029.0	-	88.7	.	374.6
67 CIVIL TRANSPORT EQUIPMENT	0670	58324.5	125478.9	5412.7	.	355.6
670 RESEARCH OF A GENERAL NATURE	0670	-	330.0	329.2	.	15.6
671 AERONAUTICAL ENGINEERING	0671	55490.7	124109.2	.	8878.2	235.3
672 ROAD TRANSPORT EQUIPMENT	0672	140.3	412.5	1048.5	.	3.5
673 RAIL TRANSPORT EQUIPMENT	0673	-	-	39.8	.	-
674 MARINE TRANSPORT EQUIPMENT	0674	2693.9	627.1	242.9	.	110.7
679 OTHER TRANSPORT EQUIPMENT	0679	-	-	.	.	30.5
68 PRODUCTS OF OTHER INDUSTRIES	0680	11347.9	18267.4	3028.5	3063.1	5726.6
680 RESEARCH OF A GENERAL NATURE	0680	-	2491.8	.	.	-
681 FOOD, DRINK AND TOBACCO	0681	11326.1	15775.6	959.2	.	1777.5
682 TEXTILE PRODUCTS	0682	21.8	-	487.7	.	1878.6
683 RUBBER PRODUCTS	0683	-	-	298.9	.	-
684 PLASTIC PRODUCTS	0684	-	-	.	.	-
686 UTILIZATION OF INDUSTRIAL, AGRICULTURAL AND DOMESTIC WASTE FOR NON-ENERGY PURPOSES	0686	-	-	.	.	-
689 MISCELLANEOUS PRODUCTS	0689	-	-	538.9	.	1028.8
69 OTHER RESEARCH	0690	22827.4	-	1620.5	4323.3	1972.4
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	174655.4	41430.8	6052.2	44624.0	31345.9
70 RESEARCH OF A GENERAL NATURE	0700	55462.5	12838.3	896.6	6472.3	14992.6
71 SYSTEMS ANALYSIS AND PLANNING	0710	12550.0	11402.7	2501.0	3444.9	7071.7
72 EDUCATION, VOCATIONAL TRAINING AND RETRAINING	0720	34558.6	4472.0	466.8	15065.2	1316.7
73 CULTURAL QUESTIONS	0730	5876.7	3151.8	-	9503.5	289.8
74 MANAGEMENT AND ORGANIZATION IN BUSINESS AND ADMINISTRATIVE	0740	4307.0	379.5	259.0	3864.6	896.7
741 HOSPITAL MANAGEMENT AND ORGANIZATION	0741	.	.	.	.	.
75 IMPROVEMENT OF WORKING CONDITIONS	0750	25383.8	4785.5	-	804.8	-
76 SOCIAL ACTION	0760	1191.5	396.0	71.2	2135.9	-
77 SOCIAL RELATIONSHIPS AND CONFLICTS	0770	15396.8	3333.3	23.7	1908.2	4763.5
78 ORGANIZATION OF LEISURE	0780	-	577.6	47.4	797.6	-
79 OTHER RESEARCH	0790	15928.1	99.0	1786.5	627.1	2014.9
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	183348.4	159488.9	49017.3	18880.1	20414.4
80 RESEARCH OF A GENERAL NATURE	0800	8575.4	-	718.2	1532.0	1360.9
81 RESEARCH ON LAUNCHERS AND SATELLITES	0810	170597.3	152228.1	48299.0	17348.0	18057.9
811 LAUNCHING SYSTEMS	0811	21703.6	.	3283.7	-	8608.5
812 SCIENTIFIC EXPLORATION	0812	49188.2	.	16378.6	11655.2	8503.3
813 APPLICATIONS	0813	95335.8	.	12182.2	745.1	525.9
814 MIXED SYSTEMS	0814	4365.7	.	13593.0	-	-
89 OTHER RESEARCH	0890	4175.0	7260.7	-	-	955.6
9 DEFENCE	0900	464795.8	858088.1	24975.4	22818.6	2400.3
10 GENERAL PROMOTION OF KNOWLEDGE	1000	2058503.0	736272.6	246774.1	382417.7	173988.3
100 RESEARCH OF A GENERAL NATURE	1000	44643.5	16996.7	163.2	-	13797.6
101 RESEARCH IN THE EXACT AND NATURAL SCIENCES	1010	868863.9	593367.9	116424.5	135586.8	55262.8
1010 RESEARCH OF A GENERAL NATURE	1010	550851.0	254670.6	474.4	-	-
1011 LOGIC, MATHEMATICS AND PHYSICS	1011	200302.1	225264.6	59373.1	18556.4	28289.4
1012 ASTRONOMY AND ASTROPHYSICS, EARTH SCIENCES AND CHEMISTRY	1012	48549.3	62194.9	40588.0	834.6	15487.0
1013 BIOSCIENCES	1013	64551.7	51237.8	16519.0	-	10287.0
1019 OTHER DISCIPLINES	1019	4209.7	-	-	-	-
102 AGRONOMIC RESEARCH	1020	109453.3	-	10302.7	24394.4	4917.3
103 MEDICAL RESEARCH	1030	457589.6	72194.9	38817.0	79113.6	37535.8
104 ENGINEERING RESEARCH	1040	301710.2	-	25331.4	63143.7	27060.6
105 RESEARCH IN THE SOCIAL SCIENCES AND HUMANITIES	1050	276241.9	53713.0	55335.3	76179.2	34594.0
109 OTHER DISCIPLINES	1090	-	-	-	-	320.2
EXPENDITURE NOT IDENTIFIED	9000	-	12788.8	1897.5	15052.7	-
TOTAL EXPENDITURE	9900	4071740.0	2909644.0	554847.9	704661.1	405942.4

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CCB	EAU 9 CEC/CCB	OBJECTIFS N A B S
16422.2	-	-	-	-	243.9	65 CONSTRUCTION ELECTRIQUE, ELECTROMECANIQUE ET ELECTRONIQUE
333.7	-	-	-	-	-	650 RECHERCHES A CARACTERE GENERAL
10174.2	-	-	-	-	243.5	651 MACHINES DE BUREAU ET INSTALLATIONS POUR LE TRAITEMENT DE L'INFORMATION
5909.6	-	-	-	-	-	652 MATERIEL DE TELECOMMUNICATION, COMPOSANTS ET AUTRES APPAREILS ELECTRONIQUES
4.7	-	-	-	-	-	659 AUTRES CONSTRUCTIONS ET MATERIELS ELECTRIQUES
865.8	196.9	-	-	-	-	66 INSTRUMENTS DE PRECISION ET D'OPTIQUE
108624.2	-	-	-	-	-	67 MATERIEL DE TRANSPORT CIVIL
1651.3	-	-	-	-	-	670 RECHERCHES A CARACTERE GENERAL
98404.3	-	-	-	-	-	671 CONSTRUCTION AERONAUTIQUE
861.1	-	-	-	-	-	672 MATERIEL DE TRANSPORT ROUTIER
3115.4	-	-	-	-	-	673 MATERIEL DE TRANSPORT FERROVIAIRE
3993.8	-	-	-	-	-	674 MATERIEL DE TRANSPORT NAVAL
598.2	-	-	-	-	-	679 AUTRE MATERIEL DE TRANSPORT
5302.0	1682.7	959.8	49378.0	240.5	49618.5	68 PRODUITS DES AUTRES INDUSTRIES
-	-	-	-	-	-	680 RECHERCHES A CARACTERE GENERAL
1251.5	-	-	-	-	-	681 PRODUITS ALIMENTAIRES, BOISSONS ET TABACS
829.6	-	-	-	46.2	-	682 PRODUITS DE L'INDUSTRIE TEXTILE
-	-	-	-	-	-	683 PRODUITS EN CAOUTCHOUC
20.5	-	-	-	-	-	684 PRODUITS EN MATIERES PLASTIQUES
1079.9	-	-	-	194.2	-	686 EXPLOIT.A DES FIAS NON ENERGETIQUES DES DECHETS INDUSTRI., AGRICOLES ET DOMESTIQUES
2120.5	-	-	-	-	-	689 PRODUITS DES INDUSTRIES DIVERSES
15221.1	585.0	-	46549.8	-	46549.8	69 AUTRES RECHERCHES
32876.0	2322.9	7314.7	340626.8	3458.9	344085.7	7 PROBLEMES DE LA VIE EN SOCIETE
1174.4	579.3	-	92416.1	1583.5	93999.6	70 RECHERCHES A CARACTERE GENERAL
1065.7	192.6	1643.7	39872.4	-	39872.4	71 ETUDES DE SYSTEMES ET PROGRAMMATION
6829.0	793.7	860.5	64361.9	92.5	64454.4	72 EDUCATION, FORMATION ET READAPTATION
-	-	2393.3	25215.1	-	25215.1	73 PROBLEMES CULTURELS
8590.5	195.5	561.2	19054.0	-	19054.0	74 GESTION ET ORGANISATION DES ENTREPRISES ET DES INSTITUTIONS
7638.1	-	-	-	-	-	741 GESTION ET ORGANISATION DES HOPITAUX
558.8	-	52.1	31585.0	1639.0	33224.0	75 AMELIORATION DES CONDITIONS DE TRAVAIL
3299.6	131.7	6.3	7232.1	143.9	7376.0	76 ACTION SOCIALE
6016.6	-	1797.6	33239.7	-	33239.7	77 RAPPORTS SOCIAUX ET CONFLITS
278.6	249.3	-	1950.5	-	1950.5	78 ORGANISATION DES LOISIRS
5062.7	181.3	-	25659.6	-	25659.6	79 AUTRES RECHERCHES
53506.1	11.3	7583.2	492249.4	983.4	493245.1	8 EXPLOICATION ET EXPLOITATION DE L'ESPACE
-	11.3	6222.4	18420.3	-	18420.3	80 RECHERCHES A CARACTERE GENERAL
53506.1	-	1360.7	461357.0	983.4	462380.4	81 RECHERCHES SUR LES LANCEURS ET LES SATELLITES
2323.5	-	-	-	-	-	811 SYSTEMES DE LANCEMENT
10232.4	-	-	-	-	-	812 EXPLOICATION SCIENTIFIQUE
36457.3	-	-	-	983.4	-	813 SYSTEMES D'APPLICATION
4492.8	-	-	-	-	-	814 SYSTEMES MIXTES
-	-	-	12432.1	-	12432.1	89 AUTRES RECHERCHES
1106051.0	-	1473.8	2480600.0	-	2480600.0	9 DEFENSE
542310.4	3072.5	116056.3	4300092.0	351.4	4300443.4	10 PROMOTION GENERALE DES CONNAISSANCES
226751.9	117.6	25239.5	327710.3	-	327710.3	100 RECHERCHES A CARACTERE GENERAL
187791.6	2143.1	36008.3	1999445.0	351.4	1999796.4	101 RECHERCHES EN SCIENCES EXACTES ET NATURELLES
181590.8	-	-	-	-	-	1010 RECHERCHES A CARACTERE GENERAL
3117.0	-	-	-	-	-	1011 LOGIQUE, MATHÉMATIQUES ET PHYSIQUE
12.6	103.4	-	-	-	-	1012 ASTRONOMIE ET ASTROPHYSIQUE, SCIENCES DE LA TERRE ET CHIMIE
3071.3	-	-	-	-	-	1013 SCIENCES DE LA VIE
-	-	-	-	-	-	1019 AUTRES DISCIPLINES
28727.9	150.1	5825.5	183771.1	-	183771.1	102 RECHERCHES EN SCIENCES AGRONOMIQUES
56283.1	372.5	16467.3	799373.6	-	799373.6	103 RECHERCHES EN SCIENCES MEDICALES
28570.5	110.5	10174.0	456300.7	-	456300.7	104 RECHERCHES EN SCIENCES DE L'INGENIEUR
11750.0	978.8	22341.7	531733.6	-	531733.6	105 RECHERCHES EN SCIENCES SOCIALES ET HUMAINES
2435.3	-	-	2755.5	-	2755.5	109 AUTRES DISCIPLINES
-	141.6	-	29880.7	-	29880.7	CREDITS NON VENTILES
2319768.0	28910.7	190569.6	11186081.0	162773.4	11348854.4	TOTAL DES CREDITS

## financing by section and subsection of NABS

6

in % within each chapter of NABS

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGICUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	1.82	3.21	1.59	1.03	2.79
2 PLANNING OF THE HUMAN ENVIRONMENT	0200	2.41	4.68	1.36	6.44	1.58
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	4.27	5.39	3.68	7.01	6.81
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	11.00	8.49	20.71	4.71	16.89
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	1.98	4.26	3.09	7.39	5.26
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	6.77	11.83	10.32	4.76	10.50
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	4.29	1.42	1.09	6.33	7.72
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	4.50	5.48	8.83	2.68	5.03
9 DEFENCE	0900	11.42	29.49	4.50	3.24	0.59
10 GENERAL PROMOTION OF KNOWLEDGE	1000	51.54	25.30	44.48	54.27	42.84
EXPENDITURE NOT ITEMIZED	9000	-	0.44	0.34	2.14	-
TOTAL EXPENDITURE	9900	100.00	100.00	100.00	100.00	100.00
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	100.00	100.00	100.00	100.00	100.00
10 RESEARCH OF A GENERAL NATURE	0108	21.65	1.02	2.16	-	41.04
11 SOIL AND SUBSTRATUM	0110	43.22	51.93	29.50	4.92	17.60
111 OIL AND MINERAL PROSPECTING	0111	11.44	2.28	0.09	-	0.40
112 EXPLORATION AND EXPLOITATION OF SUBMARINE SHELVES	0112	4.79	6.66	3.17	-	-
12 LAND HYDROLOGY	0120	4.39	1.24	3.17	-	0.68
13 SEAS AND OCEANS	0130	16.77	31.30	53.22	70.77	3.55
14 ATMOSPHERE	0140	13.97	14.50	11.96	24.32	19.39
141 METEOROLOGY	0141	1.74	6.61	9.43	24.32	12.14
142 AERONOMY	0142	12.22	-	0.82	-	-
19 OTHER RESEARCH	0190	-	-	-	-	17.74
2 PLANNING OF THE HUMAN ENVIRONMENT	0200	100.00	100.00	100.00	100.00	100.00
20 RESEARCH OF A GENERAL NATURE	0208	5.41	0.59	2.51	14.40	-
21 LAND DEVELOPMENT	0210	9.98	12.58	24.51	5.39	6.06
210 RESEARCH OF A GENERAL NATURE	0218	6.80	3.79	14.07	-	-
211 URBAN DEVELOPMENT	0211	3.12	3.91	-	-	-
212 RURAL DEVELOPMENT	0212	0.06	4.87	-	-	-
219 DEVELOPMENT OF OTHER AREAS	0219	-	0.00	-	-	-
22 CONSTRUCTION AND PLANNING OF BUILDINGS	0220	8.32	8.60	9.14	27.26	55.95
220 RESEARCH OF A GENERAL NATURE	0228	6.17	8.60	9.14	9.42	-
221 RESIDENTIAL BUILDINGS	0221	0.35	0.00	-	15.83	-
229 NON-RESIDENTIAL BUILDINGS	0229	1.80	0.00	-	2.00	29.33
23 CIVIL ENGINEERING	0230	20.69	10.15	9.67	23.87	10.69
24 TRANSPORT SYSTEMS	0240	51.41	8.43	2.39	25.74	10.81
25 TELECOMMUNICATIONS SYSTEMS	0250	0.02	58.56	27.16	-	5.55
26 WATER SUPPLY	0260	3.82	1.08	18.28	3.32	10.94
268 RESEARCH OF A GENERAL NATURE	0268	3.82	1.08	10.97	-	10.85
261 DRINKING WATER SUPPLY	0261	-	-	7.31	3.32	0.09
269 WATER SUPPLY FOR THE ENERGY SECTOR AND FOR INDUSTRIAL AND AGRICULTURAL USE	0269	-	-	-	-	-
29 OTHER RESEARCH	0290	0.34	-	6.35	0.01	-



Crédits pour la R&D par chapitres, divisions et rubriques de la NABS  
1976

en % à l'intérieur de chaque chapitre de la NABS

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
0.75	2.73	1.65	.93	2.08	1.94	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
2.56	7.05	2.66	3.22	0.08	3.17	2 AMENAGEMENT DES MILIEUX HUMAINS
2.78	6.07	8.29	4.56	16.15	4.73	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
7.74	0.92	2.85	9.81	64.33	10.59	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
4.33	40.92	8.51	3.79	2.44	3.69	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
7.05	20.35	6.55	8.36	11.97	8.41	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
1.42	8.03	3.84	3.05	2.12	3.03	7 PROBLEMES DE LA VIE EN SOCIETE
2.31	0.04	3.98	4.40	0.60	4.35	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
47.68	-	0.77	22.18	-	21.86	9 DEFENSE
23.38	13.39	60.90	38.44	0.22	37.89	10 PROMOTION GENERALE DES CONNAISSANCES
-	0.49	-	0.27	-	0.26	CREDITS NON VENTILES
100.00	100.00	100.00	100.00	100.00	100.00	TOTAL DES CREDITS
100.00	100.00	100.00	100.00	100.00	100.00	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
0.70	-	-	10.16	-	10.00	10 RECHERCHES A CARACTERE GENERAL
69.19	53.23	85.17	46.54	100.00	47.36	11 SOL ET SOUS-SOL
13.16	20.25	.	.	10.00	.	111 PROSPECTION MINIERE ET PETROLIERE
51.23	.	.	.	90.00	.	112 EXPLORATION ET EXPLOITATION DES PLATEAUX IMMERGES
4.00	6.81	-	2.55	-	2.51	12 HYDROLOGIE TERRESTRE
26.09	25.45	-	26.18	-	25.78	13 MERS ET OCEANS
0.03	14.52	14.83	13.64	-	13.43	14 ATMOSPHERE
-	14.52	.	.	-	.	141 METEOROLOGIE
-	.	.	.	-	.	142 AERONAUTIQUE
-	-	-	0.93	-	0.91	19 AUTRES RECHERCHES
100.00	100.00	100.00	100.00	100.00	100.00	2 AMENAGEMENT DES MILIEUX HUMAINS
4.04	15.99	-	4.32	-	4.32	20 RECHERCHES A CARACTERE GENERAL
10.44	4.94	4.62	10.59	100.00	10.62	21 AMENAGEMENT DES ESPACES
7.82	3.82	.	.	.	.	210 RECHERCHES A CARACTERE GENERAL
1.94	.	.	.	.	.	211 AMENAGEMENT DES ESPACES URBAINS
0.68	.	.	.	.	.	212 AMENAGEMENT DES ESPACES RURAUX
-	.	.	.	.	.	219 AMENAGEMENT DES AUTRES ESPACES
25.33	31.99	60.39	15.35	-	15.34	22 CONSTRUCTION ET AMENAGEMENT D'IMMEUBLES
13.69	.	.	.	-	.	220 RECHERCHES A CARACTERE GENERAL
4.72	.	.	.	-	.	221 IMMEUBLES RESIDENTIELS
6.92	.	.	.	-	.	229 IMMEUBLES NON-RESIDENTIELS
23.13	3.69	-	16.71	-	16.71	23 GENIE CIVIL
28.91	28.23	23.73	25.94	-	25.93	24 SYSTEMES DE TRANSPORTS
2.23	0.21	11.25	23.35	-	23.34	25 SYSTEMES DE TELECOMMUNICATIONS
5.93	14.95	.	3.91	-	3.90	26 APPROVISIONNEMENT EN EAU
5.78	.	.	.	-	.	260 RECHERCHES A CARACTERE GENERAL
0.03	.	.	.	-	.	261 APPROVISIONNEMENT EN EAU POTABLE
0.12	.	.	.	-	.	269 APPROVISIONNEMENT EN EAU A USAGES ENERGÉTIQUE, INDUSTRIEL ET AGRICOLE
-	-	.	0.23	-	0.23	29 AUTRES RECHERCHES

T A B. 13/2

OBJECTIVES N A P S		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	100.00	100.00	100.00	100.00	100.00
30 RESEARCH OF A GENERAL NATURE	0308	36.55	-	12.93	34.72	-
31 MEDICAL RESEARCH	0310	27.31	82.50	28.58	15.47	47.66
32 RESEARCH ON FOOD HYGIENE AND NUTRITION	0320	6.89	-	7.56	-	4.26
321 RESEARCH ON FOOD HYGIENE	0321	6.52	.	2.32	-	.
322 RESEARCH ON NUTRITION	0322	0.38	.	5.22	-	.
33 RESEARCH ON POLLUTION	0330	25.63	17.29	19.20	40.68	39.90
330 RESEARCH OF A GENERAL NATURE	0338	8.65	7.80	1.03	.	6.32
331 WATER POLLUTION	0331	4.17	1.44	8.05	.	7.08
332 AIR POLLUTION	0332	8.01	0.60	3.28	9.21	12.50
333 POLLUTION OF THE SOIL AND SUBSTRATUM	0333	0.96	0.25	.	.	1.16
334 NOISE ABATEMENT	0334	1.12	0.39	0.77	.	0.50
335 RADIOACTIVE POLLUTION	0335	1.17	6.81	1.03	.	12.26
339 OTHER POLLUTION	0339	1.56	-	0.46	.	0.08
39 OTHER RESEARCH	0390	3.62	0.21	31.73	9.18	8.18
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	100.00	100.00	100.00	100.00	100.00
40 RESEARCH OF A GENERAL NATURE	0408	-	4.57	-	-	15.18
41 PRIMARY ENERGY PRODUCTS AND ASSOCIATED PRODUCTS	0410	21.53	22.39	28.20	-	12.82
410 RESEARCH OF A GENERAL NATURE	0418	-	-	.	-	-
411 SOLID FOSSIL FUELS AND THEIR DERIVATIVES	0411	1.16	-	.	-	0.48
412 LIQUID AND GASEOUS FOSSIL FUELS, THEIR DERIVATIVES AND INDUSTRIAL GASSES	0412	4.89	-	0.01	-	-
413 NUCLEAR FUELS	0413	15.48	22.39	23.73	-	12.34
419 OTHER PRIMARY ENERGY PRODUCTS AND ASSOCIATED PRODUCTS	0419	-	-	.	-	-
42 PRIMARY ENERGY CONVERSION	0420	73.82	67.09	62.58	100.00	8.90
420 RESEARCH OF A GENERAL NATURE	0428	-	0.10	.	.	.
421 CONVERSION OF NON-NUCLEAR FUELS	0421	1.16	-	.	.	.
422 NUCLEAR FISSION	0422	65.27	61.34	52.64	.	.
423 THERMONUCLEAR FUSION	0423	3.38	3.64	3.74	.	.
429 CONVERSION OF OTHER ENERGY SOURCES	0429	-	2.01	1.99	.	.
43 PRODUCTION, STORAGE, TRANSP. AND DISTRIBUTION OF ELECTRICITY, GAS, STEAM AND HOT WATER	0430	4.65	4.68	-	-	48.74
431 ELECTRICITY	0431	4.65	.	-	-	48.36
432 GAS	0432	-	.	-	-	.
433 HEAT (STEAM AND HOT WATER)	0433	-	.	-	-	.
434 HYDROGEN (H2)	0434	-	.	-	-	.
44 ENERGY CONSERVATION	0440	-	1.28	0.33	-	.
49 OTHER RESEARCH	0490	-	-	8.89	-	14.36
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	100.00	100.00	100.00	100.00	100.00
50 RESEARCH OF A GENERAL NATURE	0508	46.32	44.32	14.96	51.81	-
51 DOMESTIC AND WILD ANIMAL PRODUCTS	0510	4.27	18.75	13.87	15.84	27.12
511 VETERINARY MEDICINE	0511	.	.	0.54	4.80	4.48
52 CROPS (INCLUDING FORESTRY) AND WINE	0520	41.08	30.53	42.75	28.44	64.59
53 FISHING AND FISHERY PRODUCTS	0530	7.23	6.40	8.08	3.91	3.16
59 OTHER RESEARCH	0590	1.11	-	20.34	-	5.14
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	100.00	100.00	100.00	100.00	100.00
60 RESEARCH OF A GENERAL NATURE	0608	33.73	7.62	2.20	.	0.50
61 METALLIFEROUS ORES AND PRELIMINARY PROCESSING OF METALS	0610	3.62	3.17	4.83	.	18.70
610 RESEARCH OF A GENERAL NATURE	0618	-	3.17	0.03	.	-
611 EXTRACTION AND DRESSING OF METALLIFEROUS ORES	0611	-	-	0.32	.	-
612 PRODUCT OF THE IRON AND STEEL INDUSTRY	0612	3.62	-	.	.	15.82
613 NON-FERROUS METALS	0613	-	-	1.04	.	2.88
62 OTHER MINERALS NOT USED FOR ENERGY PRODUCTION AND THEIR PROCESSING	0620	-	0.51	3.47	.	2.93
63 PRODUCTS OF THE CHEMICAL INDUSTRY (INCL. SYNTHETIC AND MAN-MADE FIBRES)	0630	-	6.30	22.11	.	38.10
631 PETROCHEMICALS AND COAL BY-PRODUCTS	0631	-	-	0.01	.	0.76
632 PHARMACEUTICAL PRODUCTS	0632	-	-	13.76	.	8.63
633 CHEMICAL MACHINERY AND	0640	-	3.27	26.71	.	7.40

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS N A B S
100.00	100.00	100.00	100.00	100.00	100.00	7 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
1.85	14.21	-	16.62	-	15.80	70 RECHERCHES A CARACTERE GENERAL
63.12	41.16	76.00	50.35	8.90	48.32	71 RECHERCHES MEDICALES
5.58	2.02	6.33	3.79	-	3.61	72 RECHERCHES SUR L'HYGIENE ALIMENTAIRE ET LA NUTRITION
4.24	.	.	.	-	.	321 RECHERCHES SUR L'HYGIENE ALIMENTAIRE
1.17	.	.	.	-	.	322 RECHERCHES SUR LA NUTRITION
18.38	42.62	17.67	23.92	90.27	27.16	73 RECHERCHES SUR LES NUISANCES
5.87	4.12	.	.	44.77	.	330 RECHERCHES A CARACTERE GENERAL
5.36	22.52	.	.	.	.	331 POLLUTION DE L'EAU
3.98	4.20	.	.	.	.	332 POLLUTION DE L'AIR
-	2.50	.	.	.	.	333 POLLUTION DU SOL ET DU SOUS-SOL
2.28	1.78	.	.	.	.	334 LUTTE CONTRE LE BRUIT
0.85	.	.	.	45.50	.	335 NUISANCES RADIOACTIVES
0.03	7.51	.	.	.	.	339 AUTRES NUISANCES
11.07	.	.	5.30	0.82	5.08	39 AUTRES RECHERCHES
100.00	100.00	100.00	100.00	100.00	100.00	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
0.64	65.96	-	10.39	14.16	10.71	40 RECHERCHES A CARACTERE GENERAL
17.66	.	26.27	20.61	32.44	21.64	41 PRODUITS ENERGETIQUES PRIMAIRES ET ASSIMILES
-	-	.	.	-	.	410 RECHERCHES A CARACTERE GENERAL
0.44	-	.	.	7.65	.	411 COMBUSTIBLES FOSSILES SOLIDES ET DERIVES
4.38	-	.	.	12.95	.	412 COMBUSTIBLES FOSSILES LIQUIDES ET GAZEUX
12.80	-	.	.	11.83	.	413 COMBUSTIBLES NUCLEAIRES
0.04	-	.	.	-	.	419 AUTRES PRODUITS ENERGETIQUES PRIMAIRES ET ASSIMILES
81.16	-	73.73	69.04	46.66	67.09	42 PREMIERE CONVERSION ENERGETIQUE
0.50	-	.	.	-	.	420 RECHERCHES A CAPACTERE GENERAL
-	-	.	.	-	.	421 CONVERSION DES COMBUSTIBLES NON NUCLEAIRES
75.16	-	.	.	12.17	.	422 FISSION NUCLEAIRE
4.15	-	.	.	28.89	.	423 FUSION THERMOCNUCLEAIRE
1.34	-	.	.	5.61	.	429 CONVERSION D'AUTRES SOURCES D'ENERGIE
0.25	-	.	6.04	4.64	5.92	43 PRODUCTION, STOCKAGE, TRANSPORT ET DISTRIB. D'ELECTR., DE GAZ, DE VAPEUR ET D'EAU CHAUDE
-	-	.	.	-	.	431 ELECTRICITE
-	-	.	.	-	.	432 GAZ
-	-	.	.	-	.	433 CHALEUR (VAPEUR ET EAU CHAUDE)
-	-	.	.	4.64	.	434 HYDROGENE (H2)
0.30	25.53	.	.	2.09	.	44 ECONOMIES D'ENERGIE
-	8.51	-	1.83	-	1.67	49 AUTRES RECHERCHES
100.00	100.00	100.00	100.00	100.00	100.00	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
12.37	9.46	27.21	32.99	9.36	32.77	50 RECHERCHES A CARACTERE GENERAL
35.16	49.08	30.89	21.07	62.24	21.45	51 PRODUITS ANIMAUX DE L'AGRICULTURE ET DE LA CHASSE
2.53	17.17	.	.	31.89	.	511 MEDECINE VETERINAIRE
40.67	27.64	39.41	37.14	28.39	37.08	52 PRODUITS VEGETAUX (Y COMPRIS LA SYLVICULTURE) ET VINS
7.54	7.52	2.49	6.31	-	6.25	53 PRODUITS DE LA PECHE ET DE LA PISCICULTURE
4.26	6.30	-	2.48	-	2.46	59 AUTRES RECHERCHES
100.00	100.00	100.00	100.00	100.00	100.00	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
6.07	32.22	92.31	.	52.46	.	60 RECHERCHES A CARACTERE GENERAL
2.01	.	.	.	44.82	.	61 MINERALS METALLIQUES ET PREMIERE TRANSFORMATION DES METAUX
0.51	.	.	.	-	.	610 RECHERCHES A CARACTERE GENERAL
0.48	.	.	.	-	.	611 EXTRACTION ET PREPARATION DES MINERALS METALLIQUES
0.61	.	.	.	44.82	.	612 PRODUITS SIDERURGICIQUES
0.41	.	.	.	-	.	613 METAUX NON FERREUX
.	.	.	.	-	.	62 AUTRES MINERAUX NON ENERGETIQUES ET LEUR TRANSFORMATION
1.33	9.10	.	.	0.24	.	63 PRODUITS DE L'INDUSTRIE CHIMIQUE (Y COMPRIS LES FIBRES ARTIFICIELLES ET SYNTHETIQUES)
0.33	.	.	.	-	.	631 PRODUITS DE LA PETROCHIMIE ET DE LA CARBOCHIMIE
-	.	.	.	-	.	632 PRODUITS PHARMACEUTIQUES
1.09	16.78	.	.	-	.	64 OUVRAGES EN METAUX, MACHINES ET MATERIEL MECANIQUES

OBJECTIVES N A B S		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
65 ELECTRICAL, ELECTROMECHANICAL AND ELECTRONIC ENGINEERING	0650	28.72	37.35	22.95	.	12.49
650 RESEARCH OF A GENERAL NATURE,	0658	-	-	-	.	.
651 OFFICE MACHINERY AND DATA-PROCESSING EQUIPMENT	0651	20.73	15.86	11.95	.	.
652 TELECOMMUNICATIONS EQUIPMENT, ELECTRONIC COMPONENTS AND OTHER APPARATUS	0652	7.99	17.01	7.21	.	.
659 MANUFACTURE OF OTHER ELECTRICAL PRODUCTS AND EQUIPMENT	0659	-	4.48	4.04	.	.
66 PRECISION AND OPTICAL INSTRUMENTS	0660	0.37	-	0.15	.	0.88
67 CIVIL TRANSPORT EQUIPMENT	0670	21.15	36.46	9.45	.	0.93
670 RESEARCH OF A GENERAL NATURE	0678	-	0.10	0.57	.	0.04
671 AERONAUTICAL ENGINEERING	0671	20.13	36.06	.	26.49	0.55
672 ROAD TRANSPORT EQUIPMENT	0672	0.05	0.12	1.83	.	0.01
673 RAIL TRANSPORT EQUIPMENT	0673	-	-	0.07	.	.
674 MARINE TRANSPORT EQUIPMENT	0674	0.98	0.18	0.42	.	0.26
679 OTHER TRANSPORT EQUIPMENT	0679	-	-	.	.	0.07
68 PRODUCTS OF OTHER INDUSTRIES	0680	4.12	5.31	5.29	9.14	13.44
680 RESEARCH OF A GENERAL NATURE	0688	-	0.72	.	.	.
681 FOOD, DRINK AND TOBACCO	0681	4.11	4.58	1.68	.	4.17
682 TEXTILE PRODUCTS	0682	0.01	-	0.85	.	4.41
683 RUBBER PRODUCTS	0683	-	-	0.52	.	.
684 PLASTIC PRODUCTS	0684	-	-	.	.	.
686 UTILIZATION OF INDUSTRIAL, AGRICULTURAL AND DOMESTIC WASTE FOR NON-ENERGY PURPOSES	0686	-	-	.	.	.
689 MISCELLANEOUS PRODUCTS	0689	-	-	0.94	.	2.41
69 OTHER RESEARCH	0690	8.28	-	2.83	12.90	4.63
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	100.00	100.00	100.00	100.00	100.00
70 RESEARCH OF A GENERAL NATURE	0708	21.76	30.98	14.81	14.50	47.83
71 SYSTEMS ANALYSIS AND PLANNING	0710	7.19	27.52	41.32	7.72	22.56
72 EDUCATION, VOCATIONAL TRAINING AND RETRAINING	0720	19.79	10.79	7.71	33.76	4.20
73 CULTURAL QUESTIONS	0730	5.65	7.61	-	21.30	0.92
74 MANAGEMENT AND ORGANIZATION IN BUSINESS AND ADMINISTRATIONS	0740	2.47	0.92	4.28	8.66	2.86
741 HOSPITAL MANAGEMENT AND ORGANIZATION	0741	.	.	.	-	.
75 IMPROVEMENT OF WORKING CONDITIONS	0750	14.53	11.55	-	1.80	-
76 SOCIAL ACTION	0760	0.68	0.96	1.18	4.79	-
77 SOCIAL RELATIONSHIPS AND CONFLICTS	0770	8.82	8.04	0.39	4.28	15.20
78 ORGANIZATION OF LEISURE	0780	-	1.39	0.78	1.79	-
79 OTHER RESEARCH	0790	9.12	0.24	29.52	1.41	6.43
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	100.00	100.00	100.00	100.00	100.00
80 RESEARCH OF A GENERAL NATURE	0808	4.68	-	1.47	8.11	6.67
81 RESEARCH ON LAUNCHERS AND SATELLITES	0810	93.05	95.45	98.53	91.89	88.46
811 LAUNCHING SYSTEMS	0811	11.84	.	6.70	-	42.17
812 SCIENTIFIC EXPLORATION	0812	26.83	.	33.41	61.73	43.61
813 APPLICATIONS	0813	52.00	.	24.85	3.95	2.58
814 MIXED SYSTEMS	0814	2.38	.	27.73	-	.
89 OTHER RESEARCH	0890	2.28	4.55	-	-	4.88
9 DEFENCE	0900	100.00	100.00	100.00	100.00	100.00
10 GENERAL PROMOTION OF KNOWLEDGE	1000	100.00	100.00	100.00	100.00	100.00
100 RESEARCH OF A GENERAL NATURE	1008	2.13	2.31	0.07	-	7.93
101 RESEARCH IN THE EXACT AND NATURAL SCIENCES	1010	41.40	80.59	47.18	36.50	31.78
1010 RESEARCH OF A GENERAL NATURE	1018	26.25	34.59	0.19	-	.
1011 LOGIC, MATHEMATICS AND PHYSICS	1011	9.54	30.60	24.06	4.85	16.27
1012 ASTRONOMY AND ASTROPHYSICS, EARTH SCIENCES AND CHEMISTRY	1012	2.31	8.45	16.23	0.22	8.91
1013 BIOSCIENCES	1013	3.10	6.96	6.69	-	5.92
1019 OTHER DISCIPLINES	1019	0.20	-	-	-	.
102 AGRONOMIC RESEARCH	1020	5.22	-	4.17	6.38	2.83
103 MEDICAL RESEARCH	1030	23.71	9.81	15.73	20.69	21.59
104 ENGINEERING RESEARCH	1040	14.38	-	10.35	16.51	15.56
105 RESEARCH IN THE SOCIAL SCIENCES AND HUMANITIES	1050	13.16	7.30	22.50	19.92	20.12
109 OTHER DISCIPLINES	1090	-	-	.	-	0.18
EXPENDITURE NOT ITEMIZED	9000	.	.	.	.	.
TOTAL EXPENDITURE	4900	100.00	100.00	100.00	100.00	100.00

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	C E C / C C E	EUR 9 C E C / C C E	OBJECTIFS N A B S
10.04	-	-	.	1.23	.	65 CONSTRUCTION ELECTRIQUE, ELECTROMECHANIQUE ET ELECTRONIQUE
0.20	-	-	.	-	.	650 RECHERCHES A CARACTERE GENERAL
6.22	-	-	.	1.25	.	651 MACHINES DE BUREAU ET INSTALLATIONS POUR LE TRAITEMENT DE L'INFORMATION
3.61	-	-	.	-	.	652 MATERIEL DE TELECOMMUNICATION, COMPOSANTS ET AUTRES APPAREILS ELECTRONIQUES
0.00	-	-	.	-	.	659 AUTRES CONSTRUCTIONS ET MATERIELS ELECTRIQUES
0.53	3.35	-	.	-	.	66 INSTRUMENTS DE PRECISION ET D'OPTIQUE
66.39	-	-	.	-	.	67 MATERIEL DE TRANSPORT CIVIL
1.01	-	-	.	-	.	670 RECHERCHES A CARACTERE GENERAL
60.15	-	-	.	-	.	671 CONSTRUCTION AERONAUTIQUE
0.53	.	-	.	-	.	672 MATERIEL DE TRANSPORT ROUTIER
1.90	-	-	.	-	.	673 MATERIEL DE TRANSPORT FERROVIAIRE
2.44	-	-	.	-	.	674 MATERIEL DE TRANSPORT NAVAL
0.37	-	-	.	-	.	679 AUTRE MATERIEL DE TRANSPORT
3.24	28.61	7.69	5.28	1.23	4.94	68 PRODUITS DES AUTRES INDUSTRIES
-	.	.	.	-	.	680 RECHERCHES A CARACTERE GENERAL
0.76	.	.	.	-	.	681 PRODUITS ALIMENTAIRES, BOISSONS ET TABACS
0.51	.	.	.	0.24	.	682 PRODUITS DE L'INDUSTRIE TEXTILE
-	.	.	.	-	.	683 PRODUITS EN CAOUTCHOUC
0.01	.	.	.	-	.	684 PRODUITS EN MATIERES PLASTIQUES
0.66	.	.	.	1.00	.	686 EXPLOIT. A DES FINS NON ENERGETIQUES DES DECHETS INDUSTR., AGRICOLES ET DOMESTIQUES
1.30	.	.	.	-	.	689 PRODUITS DES INDUSTRIES DIVERSES
9.30	9.94	-	4.98	-	4.63	69 AUTRES RECHERCHES
100.00	100.00	100.00	100.00	100.00	100.00	7 PROBLEMES DE LA VIE EN SOCIETE
3.57	24.94	-	27.12	45.78	27.32	70 RECHERCHES A CARACTERE GENERAL
3.24	8.29	22.47	11.71	-	11.59	71 ETUDES DE SYSTEMES ET PROGRAMMATION
20.77	34.15	11.76	18.90	2.67	18.73	72 EDUCATION, FORMATION ET READAPTATION
-	-	32.72	7.40	-	7.33	73 PROBLEMES CULTURELS
26.13	8.41	7.67	5.59	-	5.54	74 GESTION ET ORGANISATION DES ENTREPRISES ET DES INSTITUTIONS
23.23	.	.	.	-	.	741 GESTION ET ORGANISATION DES HOPITAUX
1.70	-	0.71	9.27	47.39	9.66	75 AMELIORATION DES CONDITIONS DE TRAVAIL
10.04	5.67	0.09	2.12	4.16	2.14	76 ACTION SOCIALE
18.30	-	24.58	9.76	-	9.66	77 RAPPORTS SOCIAUX ET CONFLITS
0.85	10.73	-	0.57	-	0.57	78 ORGANISATION DES LOISIRS
15.40	7.80	-	7.54	-	7.49	79 AUTRES RECHERCHES
100.00	100.00	100.00	100.00	100.00	100.00	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
-	100.00	82.06	3.74	-	3.73	80 RECHERCHES A CARACTERE GENERAL
100.00	-	17.94	93.72	100.00	93.74	81 RECHERCHES SUR LES LANCEURS ET LES SATELLITES
4.34	-	.	.	-	.	811 SYSTEMES DE LANCEMENT
19.12	-	.	.	-	.	812 EXPLORATION SCIENTIFIQUE
68.14	-	.	.	100.00	.	813 SYSTEMES D'APPLICATION
8.40	-	.	.	-	.	814 SYSTEMES MIXTES
-	-	-	2.53	-	2.52	89 AUTRES RECHERCHES
100.00	.	100.00	100.00	.	100.00	9 DEFENSE
100.00	100.00	100.00	100.00	100.00	100.00	10 PROMOTION GENERALE DES CONNAISSANCES
41.81	3.04	21.75	7.62	-	46.50	100 RECHERCHES A CARACTERE GENERAL
34.63	55.34	21.03	46.50	100.00	.	101 RECHERCHES EN SCIENCES EXACTES ET NATURELLES
33.48	.	.	.	.	.	1010 RECHERCHES A CARACTERE GENERAL
0.57	.	.	.	.	.	1011 LOGIQUE, MATHEMATIQUES ET PHYSIQUE
0.00	2.67	.	.	.	.	1012 ASTRONOMIE ET ASTROPHYSIQUE, SCIENCES DE LA TERRE ET CHIMIE
0.57	.	.	.	.	.	1013 SCIENCES DE LA VIE
-	.	.	.	.	.	1019 AUTRES DISCIPLINES
9.30	3.88	5.02	4.27	-	4.27	102 RECHERCHES EN SCIENCES AGRONOMIQUES
10.38	9.62	14.19	18.57	-	18.56	103 RECHERCHES EN SCIENCES MEDICALES
9.27	2.85	8.77	10.61	-	10.61	104 RECHERCHES EN SCIENCES DE L'INGENIEUR
2.17	25.27	19.25	12.37	-	12.36	105 RECHERCHES EN SCIENCES SOCIALES ET HUMAINES
0.45	-	-	0.06	-	0.06	109 AUTRES DISCIPLINES
.	.	.	.	.	.	CREDITS NON VENTILES
100.00	100.00	100.00	100.00	100.00	100.00	TOTAL DES CREDITS

R&D financing as a contribution to multilateral and bilateral projects  
by chapters of NABS

in national currencies, at current values

1975

OBJECTIVES NABS		DEUTSCH- LAND BR 1000 DM	FRANCE 1000 FF	ITALIA MIO LIT	NEDERLAND 1000 FL	BELGIQUE/ BELGIE 1000 FB
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	454	68300	93	198	11390
2 PLANNING OF HUMAN ENVIRONMENTS	0200	70	7300	-	1771	-
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	11000	16300	390	739	39001
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	-	-	8897	15600	1454102
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	-	100500	14	3668	547
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	157000	787400	-	9500	38157
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	6500	3400	261	1854	4
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	331400	508100	27343	26315	467140
9 DEFENCE	0900	366260	-	-	1627	-
10 GENERAL PROMOTION OF KNOWLEDGE	1000	267785	327600	19496	32620	58118
EXPENDITURE NOT ITEMIZED	9000	-	24800	-	-	-
TOTAL EXPENDITURE	9900	1180465	1843700	56494	93892	2068856

1976

OBJECTIVES NABS		DEUTSCH- LAND BR 1000 DM	FRANCE 1000 FF	ITALIA MIO LIT	NEDERLAND 1000 FL	BELGIQUE/ BELGIE 1000 FB
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	575	84300	180	1391	9072
2 PLANNING OF HUMAN ENVIRONMENTS	0200	70	10300	-	2124	-
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	9700	30400	595	778	36332
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	-	-	10485	15600	1614199
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	12000	194600	-	-	543
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	163750	643100	185	9700	55503
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	7657	10300	470	23	23
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	451500	596600	39144	40700	806205
9 DEFENCE	0900	376823	-	-	1347	-
10 GENERAL PROMOTION OF KNOWLEDGE	1000	316054	378000	23712	38437	66906
EXPENDITURE NOT ITEMIZED	9000	-	25700	-	-	-
TOTAL EXPENDITURE	9900	1338125	1573300	74771	110100	2589188

1977

OBJECTIVES NABS		DEUTSCH- LAND BR 1000 DM	FRANCE 1000 FF	ITALIA MIO LIT	NEDERLAND 1000 FL	BELGIQUE/ BELGIE 1000 FB
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	615	95400	200	1455	5666
2 PLANNING OF HUMAN ENVIRONMENTS	0200	-	11500	-	2297	-
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	14020	29000	1312	1000	116582
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	-	-	4179	18565	1657278
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	14000	181700	25	-	1040
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	101000	563100	160	14800	55475
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	7799	12000	781	24	19
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	431200	660300	47000	40100	873942
9 DEFENCE	0900	426963	-	-	1399	-
10 GENERAL PROMOTION OF KNOWLEDGE	1000	220123	417500	30997	45102	77017
EXPENDITURE NOT ITEMIZED	9000	-	23900	-	-	-
TOTAL EXPENDITURE	9900	1216520	1996400	84657	124742	2795023

Crédits de R&D à des actions bi- et multilatérales  
par chapitres de la NABS  
en monnaies nationales, à prix courants

1975

UNITED KINGDOM 000 PSTERL	IRELAND 1000 ISTERL	DANMARK 1000 DKR	E U R 9 1000 EUR	CEC/LCC 1000 UCB	EUR 9 CEC/LCC 1000 EUR	OBJECTIFS NABS
-	3	-	12571.5	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
-	4	25	1844.8	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
778	37	573	9200.5	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
4779	-	1310	53021.6	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
-	-	600	18901.7	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
111	-	3100	204021.5	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
-	-	192	3497.8	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
26674	-	12723	287865.9	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
103360	-	-	287370.0	.	.	9 DEFENSE
23451	4	58546	221365.0	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	4366.2	.	.	CREDITS NON VENTILES
159152	48	77069	1104026.0	.	.	TOTAL DES CREDITS

1976

UNITED KINGDOM 000 PSTERL	IRELAND 1000 ISTERL	DANMARK 1000 DKR	E U R 9 1000 EUR	CEC/LCC 1000 UCB	EUR 9 CEC/LCC 1000 EUR	OBJECTIFS NABS
632	12	-	15774.7	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
1328	3	65	4248.5	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
1440	-	379	11674.2	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
1006	40	1735	49481.0	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
5707	-	580	44033.2	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
1684	-	3100	164182.8	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
456	64	275	5312.9	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
37352	8	50821	364647.4	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
134813	-	-	308860.1	.	.	9 DEFENSE
30230	6	42533	244653.4	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	4240.9	.	.	CREDITS NON VENTILES
214648	133	99488	1217108.9	.	.	TOTAL DES CREDITS

1977

UNITED KINGDOM 000 PSTERL	IRELAND 1000 ISTERL	DANMARK 1000 DKR	E U R 9 1000 EUR	CEC/LCC 1000 UCB	EUR 9 CEC/LCC 1000 EUR	OBJECTIFS NABS
-	16	-	15384.4	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
-	21	40	2647.3	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
34	23	443	12995.9	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
658	40	1070	44163.5	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
-	-	835	31947.8	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
-	-	3300	122986.7	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
64	96	331	5194.3	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
37520	100	58430	361596.4	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
162187	-	-	344679.1	.	.	9 DEFENSE
31905	48	48784	221215.4	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	3999.4	.	.	CREDITS NON VENTILES
232368	344	113203	1166211.0	.	.	TOTAL DES CREDITS

R&D financing as a contribution to multilateral and bilateral projects  
by chapters of NABS

in 1000 Eur, at current values and exchange rates

1975

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	141.0	12024.6	107.8	59.0	234.1
2 PLANNING OF HUMAN ENVIRONMENTS	0200	21.7	1285.2	-	527.9	-
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	3416.4	2869.7	451.9	220.3	801.5
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	-	-	10309.4	4649.7	29884.7
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	-	17693.6	16.2	1093.3	19.5
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	61184.3	138626.4	-	2831.5	784.2
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	2018.8	598.6	302.4	552.6	0.1
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	102926.2	89454.0	31683.7	7843.3	9600.7
9 DEFENCE	0900	113753.0	-	-	484.9	-
10 GENERAL PROMOTION OF KNOWLEDGE	1000	83168.6	57675.9	22591.0	9722.6	1194.4
EXPENDITURE NOT ITEMIZED	9000	-	4366.2	-	-	-
TOTAL EXPENDITURE	9900	366630.0	324594.4	65462.4	27985.1	42519.2

1976

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	179.3	13910.9	170.8	414.6	186.4
2 PLANNING OF HUMAN ENVIRONMENTS	0200	21.8	1699.7	-	633.1	-
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	3024.8	5016.5	564.5	231.9	746.7
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	-	-	9947.9	4649.7	33175.0
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	3742.0	32112.3	-	-	19.4
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	51062.6	106122.4	175.5	2891.1	1140.7
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	2387.7	1699.7	445.9	6.9	0.5
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	140792.6	98449.1	37138.7	12130.9	16569.1
9 DEFENCE	0900	117505.8	-	-	401.5	-
10 GENERAL PROMOTION OF KNOWLEDGE	1000	98556.0	62376.4	22497.2	11456.4	1375.1
EXPENDITURE NOT ITEMIZED	9000	-	4240.9	-	-	-
TOTAL EXPENDITURE	9900	417272.7	325627.9	70940.4	32816.0	53213.0

1977

OBJECTIVES NABS		DEUTSCH- LAND BR	FRANCE	ITALIA	NEDERLAND	BELGIQUE/ BELGIE
1 EXPLORATION AND EXPLOITATION OF THE EARTH AND ITS ATMOSPHERE	0100	194.8	14367.4	169.2	433.7	198.7
2 PLANNING OF HUMAN ENVIRONMENTS	0200	-	1731.9	-	694.6	-
3 PROTECTION AND IMPROVEMENT OF HUMAN HEALTH	0300	4694.9	4367.5	1110.0	298.1	2396.0
4 PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY	0400	-	-	3534.7	5533.4	34060.4
5 AGRICULTURAL PRODUCTIVITY AND TECHNOLOGY	0500	4435.1	27364.4	21.2	-	21.4
6 INDUSTRIAL PRODUCTIVITY AND TECHNOLOGY	0600	31596.0	84803.9	135.4	4411.2	1222.3
7 SOCIAL AND SOCIOLOGICAL PROBLEMS	0700	2470.7	1807.2	660.7	7.2	0.4
8 EXPLORATION AND EXPLOITATION OF SPACE	0800	136400.7	99442.4	39762.9	11952.0	17961.3
9 DEFENCE	0900	139258.4	-	-	417.0	0.0
10 GENERAL PROMOTION OF KNOWLEDGE	1000	69733.2	62876.3	26224.1	13442.9	1582.9
EXPENDITURE NOT ITEMIZED	9000	-	3599.4	-	-	-
TOTAL EXPENDITURE	9900	385383.7	300360.6	71618.1	37190.1	57443.3



Crédits de R&D à des actions bi- et multilatérales  
par chapitres de la NABS  
en 1000 Eur, à prix et taux de change courants

1975

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
-	5.0	-	12571.5	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
-	6.7	3.3	1844.8	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
1303.1	62.0	75.6	9200.5	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
8005.0	-	172.9	53021.6	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
-	-	79.2	18901.7	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
186.1	-	409.1	204021.5	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
-	-	25.3	3497.8	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
44679.3	-	1678.9	287865.9	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
173132.1	-	-	287370.0	.	.	9 DEFENSE
39280.6	6.7	7725.4	221365.0	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	4366.2	.	.	CREDITS NON VENTILES
266586.4	80.4	10169.6	1104026.0	.	.	TOTAL DES CREDITS

1976

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
895.7	17.0	-	15774.7	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
1881.2	4.2	8.5	4248.5	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
2040.2	-	49.6	11674.2	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
1424.7	56.7	227.0	49481.0	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
8083.6	-	75.9	44033.2	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
2384.9	-	405.6	164182.8	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
645.4	90.7	36.0	5312.9	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
52906.3	11.3	6649.4	364647.4	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
190952.8	-	-	308860.1	.	.	9 DEFENSE
42818.8	8.5	5565.0	244653.4	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	4240.9	.	.	CREDITS NON VENTILES
304033.6	188.4	13016.9	1217108.9	.	.	TOTAL DES CREDITS

1977

UNITED KINGDOM	IRELAND	DANMARK	EUR 9	CEC/CEE	EUR 9 CEC/CEE	OBJECTIFS NABS
-	20.6	-	15384.4	.	.	1 EXPLORATION ET EXPLOITATION DU MILIEU TERRESTRE
-	27.1	5.1	2647.3	.	.	2 AMENAGEMENT DES MILIEUX HUMAINS
43.8	29.6	56.1	12995.9	.	.	3 PROTECTION ET PROMOTION DE LA SANTE HUMAINE
847.9	51.5	135.5	44163.5	.	.	4 PRODUCTION, DISTRIBUTION ET UTILISATION RATIONNELLE DE L'ENERGIE
-	-	105.8	31947.8	.	.	5 PRODUCTIVITE ET TECHNOLOGIE AGRICOLES
-	-	418.0	122986.7	.	.	6 PRODUCTIVITE ET TECHNOLOGIE INDUSTRIELLES
87.5	123.7	41.9	5194.3	.	.	7 PROBLEMES DE LA VIE EN SOCIETE
48350.5	128.9	7397.9	361596.4	.	.	8 EXPLORATION ET EXPLOITATION DE L'ESPACE
209003.8	-	-	344679.1	.	.	9 DEFENSE
41114.7	61.9	6179.8	221215.4	.	.	10 PROMOTION GENERALE DES CONNAISSANCES
-	-	-	3599.4	.	.	CREDITS NON VENTILES
299443.1	443.3	14940.2	1166211.0	.	.	TOTAL DES CREDITS



BR Deutschland	France	Italia	Nederland	Belgique / België	United Kingdom	Ireland	Danmark
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Index of consumer prices

Indice des prix à la consommation

1970	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1971	105.3	105.3	104.8	107.6	104.3	109.5	108.9	106.0
1972	111.1	111.7	110.8	116.2	110.0	117.2	118.4	113.0
1973	118.8	120.2	122.8	125.7	117.7	127.9	131.8	123.3
1974	127.1	136.3	146.3	138.0	132.6	148.5	154.2	142.1
1975	134.7	152.2	171.1	151.7	149.5	184.5	186.4	155.8
1976	140.8	166.8	199.8	165.2	163.2	215.0	219.9	169.8
1970-1976	6.1	9.2	12.6	8.8	8.9	13.7	14.1	9.7
1976(p)	139.7	162.4	188.8	161.0	159.5	206.0	206.2	167.0
1977(p)	145.2	177.1	228.5	172.8	171.3	240.3	240.6	181.5
$\frac{1977(p)-1976(p)}{1976(p)}$	3.9	9.1	21.0	7.3	7.4	16.7	16.7	8.7

an trend per year  
évolution annuelle moyenne

pected change (in %)  
différentiel attendu  
court terme (en %)

Exchange rates

1 Eur =

Taux de change

	DM	FF	Lit	F1	FB	£	£	Dkr
1970	3.66000	5.55419	625.000	3.62000	50.0000	0.416667	0.416667	7.50000
1971	3.65514	↓	625.191	3.61707	49.9595			7.50236
1972	3.49872	↓	631.342	3.52281	48.6572	0.437	0.437	7.57831
1973	3.32811	↓	729	3.47410	↓	0.511	0.511	↓
1974	3.21978	6.01	813	3.35507	↓	0.534	0.534	↓
1975	↓	5.68	863	↓	↓	0.597	0.597	↓
1976	3.20684	6.06	1 054	↓	↓	0.706	0.706	7.64301
1976-3	3.21978	5.73	1 018	↓	↓	0.639	0.639	7.57831
1977-3	3.15665	6.64	1 182	↓	↓	0.776	0.776	7.89407

Data on USA

Données sur les USA

	Total federal R&D obligations on research			GDP Mrd Eur (current exchange rates)	Total federal expenditure on research as % of GDP	Total population Mio	Index of consumer prices	Exchange rates 1 Eur = _ \$
	Mrd \$ (current)	Values (1970)	Mrd Eur (current)					
1970	15.34	15.34	15.34	984.4	1.558	204.88	100	1.00000
1971	15.56	14.92	15.52	1 060.7	1.463	207.05	104.3	1.00258
1972	16.51	15.33	15.21	1 076.0	1.414	208.85	107.7	1.08571
1973	16.82	14.70	13.46	1 041.2	1.293	210.41	114.4	1.25
1974	17.44	13.76	13.95	1 125.8	1.239	211.89	126.7	1.25
1975	19.04	13.73	14.42	1 149.7	1.254	213.63	138.7	1.32
1976(p)	21.62	14.75	17.02	1 233.6	1.380	214.99	146.6	1.27
1970-1976	+ 5.5	- 1.4	+ 0.0	+ 3.2	- 2.8	+ 0.8	+ 6.9	
$\frac{1976}{1970-1976}$	+	+	+	+	+	-	+	

an trend per year  
évolution annuelle moyenne

76 in relation to  
an trend per year  
76 par rapport à la  
évolution annuelle moyenne



Methodological Notes

Objectives of Research

The classification used is that of the Nomenclature for the analysis and comparison of scientific programmes and budgets (NABS), 1975 version. The figures for the breakdown of the 1970 financing by the 1975 categories are based on the estimates made for 1970 (for France for 1972) which were prepared for the 3rd (1975) report to CREST.

Government Financing

Financing by central government in the definition of the European System of National Accounts (ESA). This definition includes the German Länder. R&D financing by public enterprises are excluded.

Total Financing of R&D

For 1970-1976 the total appropriations for R&D in the final budgets of member states, including revision incorporated during the budgetary exercise, are used; for 1977 provisional budgets are used.

Total Budgets

The figures quoted are taken from the harmonized statistics prepared by DG II "Economic and Financial Affairs" of the Commission. The definitions correspond to those normally used in discussion of government financing of R&D, but are not always identical with those most commonly used in member states.

Data on Financing by the Commission

The figures are based on the budget documents of the Commission. They include R&D financing of the Iron and Steel Community, but not financing of a technological nature by the European Development Fund, and are expressed initially in budget units of account, equal to 1 Eur or 1 US dollar or 50 Belgian francs at 1970 rates of exchange.

### Comparison EUR-9 and USA

The data have been taken from the National Science Foundation "An Analysis of Federal R&D Funding by Function". NSF 76-325, from the US Department of Commerce "Survey of Current Business", and from the Eurostat publication "National Accounts ESA Aggregates 1960-1975".

### Gross Domestic Product (GDP)

The figures for gross domestic product have been prepared following the European System of Integrated Economic Accounts (ESA) (cf. Eurostat, National Accounts, Aggregates 1960-1975).

### Figures in Current Values

The money is expressed both in national currencies, and in Eur, i.e. units of account converted at either the central rates, or at the market rates according to the country (cf. Eurostat, Monthly Bulletin of General Statistics). For the conversion into Eur, the annual averages of the current rate of exchanges have been used, and for the comparison of the last two years the values of March 1976, and 1977.

A small discontinuity in the series exists from 1973 onwards in the figures for Italy. From that year onwards a small proportion of research, mainly in the field of Human Health, and of Agriculture was transferred gradually from the Central Government budget to those of the autonomous regions, which are excluded. The effects of the transfer cannot be quantified precisely but might be of the order of 1-2 %. They do something to explain the marked irregularity of the Italian figures at about that time.

### Figures in Constant Values

The figures in national current values have been deflated by the indices of consumer prices (cf. Eurostat, Monthly Bulletin of General Statistics). The annual average has been used for 1970-1976, and for the comparison of the last two years, the values of March 1976, and March 1977.

A change in procedure following the change in 1975 in the time table for these reports requires the United Kingdom figures from 1975 onwards to be deflated not by the price index of the average of the year to which they refer, but by that of the end of the previous year. The price indices given are therefore those of December 1974, December 1975, etc. The mean rate of inflation quoted is however computed on the annual average.

#### Rates of Growth and Elasticities

The rates of growth have been calculated by regression of the logarithms of values against time.

The elasticities have been calculated by regressing the logarithms of R&D financing against the logarithms of GDP. They measure the percentage change in R&D financing per 1 % change in GDP, and can be thought of as ratio of two growth rates, and as measures of the changes in proportion of GDP going to R&D.

#### Remark to the Tables

In the detailed computer-produced tables the total for EUR-9 has been calculated even when one or more member states had not been able to give a breakdown at 2 or 3 digit level of NABS. These sums given for EUR-9 are, in some cases, incomplete and should be checked before any further use.





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of the "Committee on Scientific and Technical Research" (CREST)

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List of the publications  
of the Statistical Office of the European Communities (Eurostat)  
on public financing of R&D

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- Recherche scientifique et comptabilité nationale  
Etudes et enquêtes statistiques n° 1/1968 (1)
- Public financing of research and development in the Community countries  
Analysis by objectives 1967-1970  
Report by statistical experts group of the working group on "Scientific and Technical Research Policy" (PREST)  
Statistical Studies and Surveys 1970 - EUR 4532
- Public expenditure on research and development in the Community countries  
Analysis by objectives 1967-1971  
Second report by statistical experts group to the working group on "Scientific and Technical Research Policy" (PREST)  
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- Public expenditure on research and development in the Community countries  
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Analysis by objectives 1969-1973  
First report from the sub-committee "Statistics" to the "Committee on Scientific and Technical Research" (CREST)  
Statistical Studies and Surveys No. 1/1974
- Public expenditure on research and development in the Community countries  
Summary analysis by main R&D objectives 1973-1974  
Second report from the sub-committee "Statistics" to the "Committee on Scientific and Technical Research" (CREST)  
Statistical Studies and Surveys No. 1/1975
- Public expenditure on research and development in the Community countries  
1974-1975  
Eurostat/Selected figures/1976
- Nomenclature for the analysis and comparison of scientific programmes and budgets (NABS) - 1975 version  
Eurostat/200/75/1
- Public expenditure on research and development 1974-1976 - Eurostat  
CA-22-77-015-6A-C

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(1) This publication is only available in French.







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