

PROGRAMME FOR RESEARCH AND ACTIONS ON THE  
DEVELOPMENT OF THE LABOUR MARKET

NEW FORMS AND NEW AREAS  
OF EMPLOYMENT GROWTH

FINAL REPORT FOR ITALY — PART II



COMMISSION  
OF THE EUROPEAN  
COMMUNITIES

This document has been prepared for use within the Commission. It does not necessarily represent the Commission's official position.

Cataloguing data can be found at the end of this publication

Luxembourg: Office for Official Publications of the European Communities, 1987

Part II : ISBN 92-825-7547-0

Part I-II: ISBN 92-825-7548-9

Catalogue number: CB-01-87-002-EN-C

© ECSC-EEC-EAEC, Brussels - Luxembourg, 1987

Reproduction is authorized, except for commercial purposes, provided the source is acknowledged.

*Printed in Belgium*

Commission of the European Communities

Programme for Research and Actions on the Development  
of the Labour Market

**NEW FORMS AND NEW AREAS OF EMPLOYMENT GROWTH**

Final Report for Italy - Part II

By

Bruno CONTINI (project director)

Ugo COLOMBINO

Liliana TREVES

Margherita VITELLI

R&P, Recherche e Progetti

TORINO

Document

This document has been prepared for use within the Commission. It does not necessarily represent the Commission's official position.

Copyright ECSC-EEC-EAEC, Brussels - Luxembourg, 1987  
Reproduction is authorized, except for commercial purposes, provided the source is acknowledged.

The research (study 85/8/D ) on which these reports were based was financed by the Commission of the European Communities as part of its programme of Research and Actions on the Development of the Labour Market.

The analysis and conclusions are the responsibilities of the authors. They do not necessarily reflect any views held within the Commission of the European Communities nor do they commit it to a particular view of the Labour market or any other policy matters.



# I N D E X

Page

## NEW FORMS AND NEW AREAS OF EMPLOYMENT GROWTH

### V O L U M E II

#### Information on statistical data sources

* Rilevazione delle Forze di lavoro .....	103.
* Censimento Generale della Popolazione. Dati sulle caratteristiche strutturali della popolazione e delle abitazioni .....	106.
* Censimento Generale dell'Industria, del Commercio, dei Servizi e dell'Artigianato. Dati sulle caratteristiche strutturali delle imprese e delle unità locali .....	109.
* Fatturato, prodotto lordo e investimenti delle imprese industriali .	111.
* Annuario di contabilità nazionale .....	114.
* Rilevazione trimestrale Ministero del Lavoro .....	116.
* Indagine sull'andamento occupazionale dell'industria in Emilia Romagna .....	119.
* L'occupazione nell'industria lombarda. Situazione, caratteristiche, previsioni .....	121.
* Domanda di lavoro qualificato .....	123.

#### Statistical annex

A1 Employment by economic activity branches (National Accounts). Self-employed/Employee (1960-1984) .....	125.
A2 Shares of employment and of value added by sector (1960-1984) ....	131.
A3 Average Labour Productivity (1960-1984) .....	132.
A4 Employment by economic activity branches (National Accounts). Self-employed (1960-1984) .....	133.
A5 Employment by broad industry sector and sex (1960-1985) .....	134.
A6 Employment by educational level (1977-1980-1985) .....	135.
A7 Employment by educational level and professional status (1985) ...	136.
A8 Persons in employment by economic activity sector and by age classes (1985) .....	137.
A9 Employment by broad industry sector and sex. Full-time/Part-time (1983-1984-1985) .....	138.
A10 Persons in employment by age classes or by economic activity sector and by type of activity (temporary or permanent work), (1985) ....	139.
A11 Reasons for working part-time by sex and age class (1985) .....	140.

A12 Total and part-time workers. Percentages by class of age and by broad industry sector (1985) .....	141.
A13 Persons in employment by professional status and full-time/part-time (1983) .....	142.
A14 Persons in employment with only one job during the reference week by economic activity sector, by class of hours of work performed and by professional status (1985) .....	143.
A15 Male employment by occupations (1971-1981) .....	144.
A16 Female employment by occupations (1971-1981) .....	145.
A17 Employment by occupations (1971-1981), (male/female shares) .....	146.
A18 Employment by occupations and professional status (1981) .....	147.
A19 Employment by occupations and age classes (1981) .....	148.
A20 "Winners" and "losers" in selected urban areas (province) .....	149.
A21 ISTAT professions classification .....	151.
A22 Sample survey of manufacturers, Lombardy Region (1985) .....	160.
A23 Variations of employment structure by skill-level .....	161.
A24 Codes for Divisions and Classes of the General Industrial Classification of Economic Activities within the European Communities (NACE) .....	162.
A25 Census of Population 1981: employment by branches (NACE classification) and occupation .....	163.
A26 Census of Population: employment by occupations (1971-1981) .....	166.

### Bibliography

* New technologies and employment .....	174.
* Part-time work .....	184.
* Women's work .....	188.
* Local labour markets .....	190.
* Emerging and declining jobs .....	194.
* Youth employment and training problems .....	198.



INFORMATION ON STATISTICAL DATA SOURCES

INFORMATION ON DATA SOURCES

1. National title of source: Rilevazione delle Forze di lavoro
2. General purpose: General survey of Italian labour force as part of EEC/SOEC initiative
3. Sponsor: ISTAT
4. Conducted by: ISTAT
5. Frequency of collection: The survey is carried out quarterly (January, April, July and October) since 1977
6. Population represented: Resident population living in the households excluding people temporarily emigrant abroad
7. Sample size and method: Two-stage stratified sample, non self-weighting, with a sample size of 124.000 (in 1985) households. (see Eurostat - Labour Force Survey - Methods and definitions)
8. Method of obtaining data: Questionnaires
9. Form of storage: Machine-readable in principle

10. Enrolment

10.1 demographic characteristics: sex, age, marital status

10.2 employment status: Employed, unemployed, people in search of employment non labour forces. Self-employed/employee. Part-time/ Full-time (since 1984). Permanent/temporary

10.3 industrial classification: Economic activity branches (0-9)

10.4. occupational classification:

Self-employed: - entrepreneurs, professionals  
- independent workers  
- family aids

Employee: - managers and directors  
- white-collar workers  
- blue-collar workers

10.5. spatial classification: 4 geographical areas (North-West, North-East, Center, South); 21 regions; type of municipalities (municipalities with less than 20.000 dwellers, municipalities with at least 20.000 dwellers; municipalities with more than 10.000 dwellers)

10.6. hours of work: average weekly hours in the first and in the eventual other jobs

10.7 vocational training whilst employed: some informations since 1984

10.8 other: - kind of activity (regular, casual, seasonal)  
- Place of work (municipalities, home)  
- Reasons for part-time work or temporary work

11. Unemployment NO

11.1 definition of unemployment:

11.2 disaggregation of unemployment:

11.3 nature of data :

12. Special employment and training measures

12.1 adults:

} some informations since 1984

12.2 young people:

13. Mobility and turnover (only since 1982)

13.1 job changing (within employing organisation): some informations

13.2 job changing (between employing organisations): some informations

13.3 inter-industrial: some informations

13.4 inter-occupational: no

13.5 spatial: no

13.6 movements into and out of the labour force: some informations

14. Other classifications of the sampled population

14.1 educational and vocational qualifications of labour force: yes

14.2 earnings: no

14.3 income (personal/household): no

14.4 other: /

INFORMATION ON DATA SOURCES

1. National title of source: Censimento Generale della Popolazione. Dati sulle caratteristiche strutturali della popolazione e delle abitazioni
2. General purpose: General Census of population
3. Sponsor: ISTAT
4. Conducted by: ISTAT
5. Frequency of collection: Every 10 years
6. Population represented: All
7. Sample size and method: 100% survey
8. Method of obtaining data: Interviews and questionnaires
9. Form of storage: ISTAT publications and machine readable form

10. Employment

- 10.1 demographic characteristics: sex, age, marital status
- 10.2 employment status: Employed/Unemployed; people in search of first employment; non labour forces; self-employed/employee
- 10.3 industrial classification: 2-digits NACE classification
- 10.4 occupational classification: Detail of professions based on ISTAT 3-digits professions classification.
- \* Employees:
    - managers and clerks
    - dependent workers
  - \* Self-employed:
    - entrepreneurs and professionals
    - independent workers
    - family aids
- 10.5 spatial classification: data are available for Italy, Regions, Province and Municipalities
- 10.6 hours of work: few informations
- 10.7 vocational training whilst employed: NO
- 10.8 other: no

11. Unemployment NO

- 11.1 definition of unemployment:
- 11.2 disaggregation of unemployment:
- 11.3 nature of data :

12. Special employment and training measures some informations about vocational training by class of age

- 12.1 adults:
- 12.2 young people:

13. Mobility and turnover

13.1 job changing (within employing organisation):

13.2 job changing (between employing organisations):

13.3 inter-industrial:

13.4 inter-occupational:

13.5 spatial:

13.6 movements into and out of the labour force:

} very few informations  
about changing  
between situation  
in 1976 and in 1981

14. Other classifications of the sampled population

14.1 educational and vocational qualifications of labour force: yes

14.2 earnings: no

14.3 income (personal/household): no

14.4 other: /

INFORMATION ON DATA SOURCES

1. National title of source: Censimento generale dell'industria, del commercio, dei servizi e dell'artigianato. Dati sulle caratteristiche strutturali delle imprese e delle unità locali
2. General purpose: Census of economic activities (industry, trade, services and handicraft)
3. Sponsor: ISTAT
4. Conducted by: ISTAT
5. Frequency of collection: Every 10 years
6. Population represented: All firms in Italy
7. Sample size and method: 100%
8. Method of obtaining data: Questionnaires
9. Form of storage: Machine readable form and ISTAT publications



10. Employment

10.1 demographic characteristics: sex

10.2 employment status: self-employed/employee, part-time/full-time

10.3 industrial classification: 4 digits NACE classification

10.4 occupational classification:

- entrepreneurs, members of cooperatives
- family aids
- managers and white-collar workers
- blue-collars workers

10.5 spatial classification: Data are available for Italy, Regions, Province and Municipalities

10.6 hours of work: no

10.7 vocational training whilst employed: no

10.8 other: Seasonal workers

11. Unemployment NO

11.1 definition of unemployment:

11.2 disaggregation of unemployment:

11.3 nature of data :

12. Special employment and training measures NO

12.1 adults:

12.2 young people:

INFORMATION ON DATA SOURCES

1. National title of source: Fatturato, prodotto lordo e investimenti delle imprese industriali
2. General purpose: Survey on firms with more than 20 employees
3. Sponsor: ISTAT
4. Conducted by: ISTAT
5. Frequency of collection: Annually since 1973
6. Population represented: Dependent employment in industrial firms with more than 20 employees
7. Sample size and method:
8. Method of obtaining data: Questionnaires directed to all industrial firms with more than 20 employees
9. Form of storage: ISTAT publications

10. Employment

10.1 demographic characteristics:

10.2 employment status:

10.3 industrial classification: 3-digits NACE classification

10.4 occupational classification: - managers and clerks  
- blue-collar workers and apprentices

10.5 spatial classification: Regions

10.6 hours of work:

10.7 vocational training whilst employed:

10.8 other:

11. Unemployment NO

11.1 definition of unemployment:

11.2 disaggregation of unemployment:

11.3 nature of data :

12. Special employment and training measures NO

12.1 adults:

12.2 young people:

13. Mobility and turnover NO

13.1 job changing (within employing organisation):

13.2 job changing (between employing organisations):

13.3 inter-industrial:

13.4 inter-occupational:

13.5 spatial:

13.6 movements into and out of the labour force:

14. Other classifications of the sampled population

14.1 educational and vocational qualifications of labour force:

14.2 earnings:

14.3 income (personal/household):

} informations on wages and social  
security contributions

14.4 other:

INFORMATION ON DATA SOURCES

1. National title of source: Annuario di contabilità nazionale
  2. General purpose: Employment estimates "consistent" with national accounts
  3. Sponsor: ISTAT
  4. Conducted by: ISTAT
  5. Frequency of collection: Every year
  6. Population represented: Average yearly employment (excluding people in compulsory military service)
  7. Sample size and method:
  8. Method of obtaining data:
- Data taken from Labour Force Survey, General Censuses, survey of employees performed by Ministry of Labour and Social Security and other sources (INPS, INAM, INAIL), ISTAT annual survey of Value Added of Manufacturers
9. Form of storage: ISTAT publication

10. Enrolment

- 10.1 demographic characteristics: NO
- 10.2 employment status: Self-employed/Employee
- 10.3 industrial classification: SEC classification
- 10.4 occupational classification: NO
- 10.5 spatial classification: NO
- 10.6 hours of work: NO
- 10.7 vocational training whilst employed: NO
- 10.8 other:

11. Unemployment NO

- 11.1 definition of unemployment:
- 11.2 disaggregation of unemployment:
- 11.3 nature of data :

12. Special enrolment and training measures NO

- 12.1 adults:
- 12.2 young people:

INFORMATION ON DATA SOURCES

1. National title of source: Rilevazione trimestrale Ministero del Lavoro
2. General purpose: Survey of employment in industrial firms with more than 50 employees
3. Sponsor: Government
4. Conducted by: Ministry of Labour and Social Security
5. Frequency of collection: Quarterly
6. Population represented: All employees in industrial firms with more than 50 employees
7. Sample size and method:
8. Method of obtaining data:
9. Form of storage:

10. Employment

10.1 demographic characteristics:

10.2 employment status:

10.3 industrial classification: ISTAT classes and groups

10.4 occupational classification: Employees - white-collar workers  
- blue-collar workers

10.5 spatial classification: Regions

10.6 hours of work: Annual hours, average daily hours (only for blue-collar workers)

10.7 vocational training whilst employed:

10.8 other:

11. Unemployment NO

11.1 definition of unemployment:

11.2 disaggregation of unemployment:

11.3 nature of data :

12. Special employment and training measures NO

12.1 adults:

12.2 young people:



13. Mobility and turnover Labour turnover rates by branches of industry, by causes, and by size of establishments
  - 13.1 job changing (within employing organisation):
  - 13.2 job changing (between employing organisations):
  - 13.3 inter-industrial:
  - 13.4 inter-occupational:
  - 13.5 spatial:
  - 13.6 movements into and out of the labour force:
  
14. Other classifications of the sampled population
  - 14.1 educational and vocational qualifications of labour force:
  - 14.2 earnings: Average hourly and monthly earnings of industrial workers
  - 14.3 income (personal/household):
  - 14.4 other:

INFORMATION ON DATA SOURCES

1. National title of source: Indagine sull'andamento occupazionale dell'industria in Emilia Romagna
2. General purpose: Survey on occupation in Emilia Romagna's manufacturing and building industries
3. Sponsor:
  - Federazione dell'industria Emiliano-Romagnola
  - Associazioni e Unioni Industriali dell'Emilia Romagna
  - Intersind Emilia Romagna
  - ASAP Emilia Romagna
4. Conducted by:
5. Frequency of collection: Annually since 1978.
6. Population represented: Manufacturing and building employees in Emilia Romagna
7. Sample size and method:
  - Questionnaires sent to firms registered with Industrial Associations in Emilia Romagna.
8. Method of obtaining data:
  - The questionnaires sent were 3991, the answers 1642
9. Form of storage: Publication

10. Employment

10.1 demographic characteristics: sex, age

10.2 employment status: employees

10.3 industrial classification: 13 industries

10.4 occupational classification: 1984 hirings detailed by nearly 120 clerical or manual professions  
Managers/White-collar workers/Blue-collar workers (skilled, qualified and common)

10.3 spatial classification: Emilia-Romagna and its "province"

10.6 hours of work: NO

10.7 vocational training whilst employed: NO

10.3 other: informations on forecasts of hirings and dismissals

11. Unemployment NO

11.1 definition of unemployment:

11.2 disaggregation of unemployment:

11.3 nature of data :

12. Special employment and training measures NO

12.1 adults:

12.2 young people:

INFORMATION ON DATA SOURCES

1. National title of source: L'occupazione nell'industria lombarda. Situazione, caratteristiche, previsioni.
  2. General purpose: Survey on employment situation in Lombardia
  3. Sponsor:
  4. Conducted by:
- } Federazione Regionale fra le Associazioni Industriali della Lombardia.  
Intersind (delegazione per la Lombardia)
5. Frequency of collection: Annually since 1972
  6. Population represented: Employees in Lombardia's manufacturing
  7. Sample size and method:
  8. Method of obtaining data:
- } Questionnaires sent to manufacturing firms registered with Lombard industrial Associations
9. Form of storage: Publication

10. Employment

10.1 demographic characteristics: Sex, age

10.2 employment status: Full time / Part time

10.3 industrial classification: 11 manufacturing industries

10.4 occupational classification: Nearly 200 professions.  
Managers/White-collar workers/Blue-collar workers/Apprentices

10.5 spatial classification: Lombardia and its "province"

10.6 hours of work: yes

10.7 vocational training whilst employed: yes

10.8 other: Informations on positions/professions for which a shortage is  
recognized.  
Informations on forecasts for hirings and dismissals.11. Unemployment Detailed informations about workers in temporary lay-off  
(Cassa Integrazione Guadagni)

11.1 definition of unemployment:

11.2 disaggregation of unemployment:

11.3 nature of data :

12. Special employment and training measures NO

12.1 adults:

12.2 young people:

INFORMATION ON DATA SOURCES

1. National title of source: Domanda di lavoro qualificato
  
2. General purpose: Survey on skilled jobs requests from private industry and public administration
  
3. { Sponsor: ISFOL, "Istituto per lo sviluppo della formazione professionale dei lavoratori", Unioncamere, Centro per la statistica aziendale
4. { Conducted by:
  
5. Frequency of collection: in theory annually
  
6. Population represented: Skilled personnel hired by private industry and Public Administration
  
7. Sample size and method:
  
8. Method of obtaining data:

For private industry the survey is based on skilled jobs demand from economic notices in newspapers

The demand from Public Administration is examined from the analysis of public contests
  
9. Form of storage: ISFOL publication

10. Employment

10.1 demographic characteristics: educational level

10.2 employment status:

10.3 industrial classification: Textile, chemical and metal manufacture,  
buildings, services (for private sector)  
Different administrations (for public sector)

10.4 occupational classification: Professions (ISTAT classification)

10.5 spatial classification: Regions

10.6 hours of work:

10.7 vocational training whilst employed:

10.8 other:

11. Unemployment NO

11.1 definition of unemployment:

11.2 disaggregation of unemployment:

11.3 nature of data :

12. Special employment and training measures NO

12.1 adults:

12.2 young people:





STATISTICAL ANNEX

Tab. A1 Employment by economic activity branches (National Accounts) 1960-1984. Self-employed/Employee (thousands)

	<u>1960</u>				<u>1965</u>				<u>1970</u>			
	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$
MARKETED COMMODITIES AND SERVICES	9886,8	8536,7	18423,5	46,3	10219,8	7047,3	17267,1	40,8	10736,2	6269,3	17005,5	36,9
<u>Agriculture, forestry and fishing</u>	1694,9	4761,4	6456,3	73,7	1491,4	3370,6	4862,0	69,3	1204,9	2400,1	3605,0	66,6
<u>Industry</u>	5647,2	1276,5	6923,7	18,4	6080,9	1161,3	7242,2	16,0	6590,3	1102,7	7693,0	14,3
Energy and water	139,4	4,9	144,3	3,4	151,9	4,6	156,5	2,9	171,2	4,2	175,4	2,4
Manufacturing	3919,8	1026,9	4946,7	20,8	4195,4	885,5	5080,9	17,4	4656,3	828,0	5484,3	15,1
Building	1588,0	244,7	1832,7	13,4	1733,6	271,2	2004,8	13,5	1762,8	270,5	2033,3	13,3
<u>Services</u>	2544,7	2498,8	5043,5	49,5	2647,5	2515,4	5162,9	48,7	2941,0	2766,5	5707,5	48,5
Distributive trade, hotels and catering	1061,5	1917,7	2979,2	64,4	1200,9	1903,5	3104,4	61,3	1344,9	2043,7	3388,6	60,3
Transport and communication	608,6	199,2	807,8	24,7	709,0	256,5	965,5	26,6	740,4	275,2	1015,6	27,1
Banking and insurance	154,8	2,2	157,0	1,4	177,8	2,5	180,3	1,4	194,3	1,9	196,2	1,0
Other services	719,8	379,7	1099,5	34,5	559,8	352,9	912,7	38,7	661,4	445,7	1107,1	40,3
NON MARKETED SERVICES	2100,7	-	2100,7	-	2337,1	-	2337,1	-	2602,5	-	2602,5	-
<u>Public Administration</u>	1566,6	-	1566,6	-	1864,0	-	1864,0	-	2129,9	-	2129,9	-
<u>Other non marketed services</u>	534,1	-	534,1	-	473,1	-	473,1	-	472,6	-	472,6	-
<u>T O T A L</u>	11987,5	8536,7	20524,2	41,6	12556,9	7047,3	19604,2	35,9	13338,7	6269,3	19608,0	32,0

A = employee  
B = self-employed

SOURCE: ISTAT, National Accounts.

Tab. A1 Employment by economic activity branches (National Accounts) 1960-1984. Self-employed/Employee (thousands)

	<u>1971</u>				<u>1972</u>				<u>1973</u>			
	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$
<u>MARKETED COMMODITIES AND SERVICES</u>	10696,2	6093,1	16789,3	36,3	10673,1	5811,2	16484,3	35,3	10786,2	5737,7	16523,9	34,7
<u>Agriculture, forestry and fishing</u>	1218,5	2379,5	3598,0	66,1	1226,0	2113,0	3339,0	63,3	1211,7	2030,3	3242,0	62,6
<u>Industry</u>	6553,7	1007,0	7560,7	13,3	6453,9	979,6	7433,5	13,2	6494,9	975,3	7470,2	13,1
Energy and water	172,0	3,9	175,9	2,2	169,7	3,9	173,6	2,2	168,9	3,9	172,8	2,3
Manufacturing	4724,0	766,8	5484,8	13,9	4689,5	732,4	5421,9	13,5	4790,4	720,0	5510,4	13,1
Building	1657,7	242,3	1900,0	12,8	1594,7	243,3	1838,0	13,2	1535,6	251,4	1787,0	14,1
<u>Services</u>	2924,0	2706,6	5630,6	48,1	2993,2	2718,6	5711,8	47,6	3079,6	2732,1	5811,7	47,0
Distributive trade, hotels and catering	1282,3	1973,3	3255,6	60,6	1309,4	1975,6	3285,0	60,1	1364,7	1985,5	3350,2	59,3
Transport and communication	767,1	277,2	1044,3	26,5	788,6	277,2	1065,8	26,0	807,9	277,2	1085,1	25,5
Banking and insurance	203,6	2,0	205,6	1,0	215,2	2,0	217,2	0,9	226,7	2,3	229,0	1,0
Other services	671,0	454,1	1125,1	40,4	680,0	463,8	1143,8	40,5	680,3	467,1	1147,4	40,7
<u>NON MARKETED SERVICES</u>	2708,8	-	2708,8	-	2823,9	-	2823,9	-	2933,8	-	2933,8	-
<u>Public Administration</u>	2235,7	-	2235,7	-	2355,3	-	2355,3	-	2465,2	-	2465,2	-
<u>Other non marketed services</u>	473,1	-	473,1	-	468,6	-	468,6	-	468,6	-	468,6	-
<u>T O T A L</u>	13405,0	6093,1	19498,1	31,2	13497,0	5811,2	19308,2	30,1	13720,0	5737,7	19457,7	29,5

A = employee  
B = self-employed

SOURCE: ISTAT, National Accounts.

Tab. A1 Employment by economic activity branches (National Accounts) 1960-1984. Self-employed/Employee (thousands)

	<u>1974</u>				<u>1975</u>				<u>1976</u>			
	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$
MARKETED COMMODITIES AND SERVICES	10973,7	5755,0	16728,7	34,4	10938,6	5725,0	16663,6	34,4	11014,5	5740,3	16754,8	34,3
<u>Agriculture, forestry and fishing</u>	1189,0	1985,0	3174,0	62,5	1130,0	1917,0	3047,0	62,9	1147,0	1873,0	3020,0	62,0
<u>Industry</u>	6603,2	982,6	7585,8	13,0	6568,8	993,2	7562,0	13,1	6548,9	1002,2	7551,1	13,3
Energy and water	175,0	4,0	179,0	2,2	182,4	4,1	186,5	2,2	187,4	4,1	191,5	2,1
Manufacturing	4912,5	726,3	5638,8	12,9	4893,4	732,9	5626,3	13,0	4905,5	735,4	5640,9	13,0
Building	1515,7	252,3	1768,0	14,3	1493,0	256,2	1749,2	14,6	1456,0	262,7	1718,7	15,3
<u>Services</u>	3181,5	2787,4	5968,9	46,7	3239,8	2814,8	6054,6	46,5	3318,6	2865,1	6183,7	46,3
Distributive trade, hotels and catering	1394,9	2037,9	3432,8	59,4	1407,4	2052,1	3459,5	59,3	1422,7	2075,0	3497,7	59,3
Transport and communication	842,7	273,2	1115,9	24,5	853,9	279,9	1133,8	24,7	873,6	289,6	1163,2	24,9
Banking and insurance	244,1	2,6	246,7	1,1	262,7	2,7	265,4	1,0	278,0	3,0	281,0	1,1
Other services	699,8	473,7	1173,5	40,4	715,8	480,1	1195,9	40,1	744,3	497,5	1241,8	40,1
NON MARKETED SERVICES	3049,3	-	3049,3	-	3162,4	-	3162,4	-	3220,2	-	3220,2	-
<u>Public Administration</u>	2568,0	-	2568,0	-	2656,0	-	2656,0	-	2743,0	-	2743,0	-
<u>Other non marketed services</u>	481,3	-	481,3	-	506,4	-	506,4	-	477,2	-	477,2	-
<u>T O T A L</u>	14023,0	5755,0	19778,0	29,1	14101,0	5725,0	19826,0	28,9	14234,7	5740,3	19975,0	28,7

A = employee  
B = self-employed

SOURCE: ISTAT, National Accounts.

Tab. A1 Employment by economic activity branches (National Accounts) 1960-1984. Self-employed/Employee (thousands)

	<u>1977</u>				<u>1978</u>				<u>1979</u>			
	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$
MARKETED COMMODITIES AND SERVICES	11135,1	5738,0	16873,1	34,0	11153,8	5804,4	16958,2	34,2	11317,3	5777,0	17094,3	33,8
<u>Agriculture, forestry and fishing</u>	1134,0	1816,0	2950,0	61,6	1108,0	1811,0	2919,0	62,0	1090,0	1750,0	2840,0	61,6
<u>Industry</u>	6534,5	1009,5	7544,0	13,4	6496,0	1024,0	7520,0	13,6	6512,0	1020,0	7532,0	13,5
Energy and water	187,0	4,1	191,1	2,1	186,9	4,1	191,0	2,1	187,8	4,2	192,0	2,2
Manufacturing	4910,3	737,7	5648,0	13,1	4860,3	744,7	5605,0	13,3	4883,3	736,7	5620,0	13,1
Building	1437,2	267,7	1704,9	15,7	1448,8	275,2	1724,0	16,0	1440,9	279,1	1720,0	16,2
<u>Services</u>	3466,6	2912,5	6379,1	45,7	3549,8	2969,4	6519,2	45,5	3715,3	3007,0	6722,3	44,7
Distributive trade, hotels and catering	1523,6	2099,4	3623,0	57,9	1545,6	2141,8	3687,4	58,1	1635,6	2176,0	3811,6	57,1
Transport and communication	880,7	294,7	1175,4	25,1	884,5	298,2	1182,7	25,2	894,4	295,8	1190,2	24,9
Banking and insurance	291,7	3,4	295,1	1,2	302,1	3,8	305,9	1,2	315,2	3,6	318,8	1,1
Other services	770,6	515,0	1285,6	40,1	817,6	525,6	1343,2	39,1	870,1	531,6	1401,7	37,9
NON MARKETED SERVICES	3278,9	-	3278,9	-	3338,8	-	3338,8	-	3403,0	-	3403,0	-
<u>Public Administration</u>	2819,0	-	2819,0	-	2880,0	-	2880,0	-	2933,0	-	2933,0	-
<u>Other non marketed services</u>	459,9	-	459,9	-	458,8	-	458,8	-	470,0	-	470,0	-
<u>T O T A L</u>	14414,0	5738,0	20152,0	28,5	14492,6	5804,4	20297,0	28,6	14720,3	5777,0	20497,3	28,2

A = employee  
B = self-employed

SOURCE: ISTAT, National Accounts.

Tab. A1 Employment by economic activity branches (National Accounts) 1960-1984. Self-employed/Employee (thousands)

	1980				1981				1982			
	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$
MARKETED COMMODITIES AND SERVICES	11415,0	5807,0	17222,9	33,7	11411,9	5836,3	17248,2	33,8	11352,0	5816,0	17168,0	33,9
<u>Agriculture, forestry and fishing</u>	1075,0	1685,0	2760,0	61,1	1035,0	1620,0	2655,0	61,0	997,0	1509,0	2506,0	60,2
<u>Industry</u>	6537,0	1049,0	7586,0	13,8	6470,0	1062,0	7532,0	14,1	6337,0	1072,0	7409,0	14,5
Energy and water	190,7	4,3	195,0	2,2	192,7	4,3	197,0	2,2	192,0	4,0	196,0	2,0
Manufacturing	4894,3	757,7	5652,0	13,4	4802,3	762,7	5565,0	13,7	4695,0	764,0	5459,0	14,0
Building	1452,0	287,0	1739,0	16,5	1475,0	295,0	1770,0	16,7	1450,0	304,0	1754,0	17,3
<u>Services</u>	3803,9	3073,0	6876,9	44,7	3906,9	3154,3	7061,2	44,7	4018,0	3235,0	7253,0	44,6
Distributive trade, hotels and catering	1647,6	2228,0	3875,6	57,5	1684,0	2290,4	3974,4	57,6	1741,6	2342,7	4084,3	57,4
Transport and communication	909,0	300,4	1209,4	24,8	921,2	307,5	1228,7	25,0	916,9	313,3	1230,2	25,5
Banking and insurance	333,8	3,6	337,4	1,1	344,4	3,6	348,0	1,0	358,3	3,6	361,9	1,0
Other services	913,5	541,0	1454,5	37,2	957,3	552,8	1510,1	36,6	1001,2	575,4	1576,6	36,5
NON MARKETED SERVICES	3440,0	-	3440,0	-	3512,0	-	3512,0	-	3560,0	-	3560,0	-
<u>Public Administration</u>	2954,0	-	2954,0	-	3013,0	-	3013,0	-	3049,0	-	3049,0	-
<u>Other non marketed services</u>	486,0	-	486,0	-	499,0	-	499,0	-	511,0	-	511,0	-
<u>T O T A L</u>	14855,9	5807,0	20662,9	28,1	14923,9	5836,3	20760,2	28,1	14912,0	5816,0	20728,0	28,1

A = employee  
B = self-employed

SOURCE: ISTAT, National Accounts.

Tab. A1 Employment by economic activity branches (National Accounts) 1960-1984. Self-employed/Employee (thousands)

	1983				1984			
	A	B	TOT	$\frac{B}{TOT} \%$	A	B	TOT	$\frac{B}{TOT} \%$
<b>MARKETED COMMODITIES AND SERVICES</b>	11192,0	5955,0	17147,0	34,7	11101,0	6092,0	17193,0	35,4
<u>Agriculture, forestry and fishing</u>	970,0	1534,0	2504,0	61,3	920,0	1490,0	2410,0	61,8
<u>Industry</u>	6148,0	1074,0	7222,0	14,9	5898,0	1053,0	6951,0	15,1
Energy and water	1909,0	4,1	195,0	2,1	189,9	4,1	194,0	2,1
Manufacturing	4546,3	754,7	5301,0	14,2	4363,3	748,7	5112,0	14,6
Building	1410,8	315,2	1726,0	18,3	1344,8	300,2	1645,0	18,2
<u>Services</u>	4074,0	3347,0	7421,0	45,1	4283,0	3549,0	7832,0	45,3
Distributive trade, hotels and catering	1748,5	2441,3	4189,8	58,3	1838,3	2537,9	4376,2	58,0
Transport and communication	931,5	311,4	1242,9	25,1	922,0	316,0	1238,0	25,5
Banking and insurance	369,7	3,6	373,3	1,0	371,5	3,6	375,1	1,0
Other services	1024,3	590,7	1615,0	36,6	1151,2	691,5	1842,7	37,5
<b>NON MARKETED SERVICES</b>	3614,0	-	3614,0	-	3633,0	-	3633,0	-
<u>Public Administration</u>	3098,0	-	3098,0	-	3111,0	-	3111,0	-
<u>Other non marketed services</u>	516,0	-	516,0	-	522,0	-	522,0	-
<b>TOTAL</b>	14806,0	5955,0	20761,0	28,7	14734,0	6092,0	20826,0	29,3

A = employee  
B = self-employed

SOURCE: ISTAT, National Accounts.

Tab. A2

Shares of employment and of value added by sector (1960-1984)

	1 9 6 0		1 9 6 5		1 9 7 0		1 9 7 5		1 9 8 0		1 9 8 4	
	(A) %	(B) %	(A) %	(B) %	(A) %	(B) %	(A) %	(B) %	(A) %	(B) %	(A) %	(B) %
AGRICULTURE	31,5	11,4	24,8	10,0	18,4	8,1	15,3	7,5	13,4	6,8	11,6	6,7
INDUSTRY	33,7	37,6	36,9	39,0	39,3	42,6	38,0	40,5	36,7	42,3	33,3	40,4
- Energy and water	0,7	4,3	0,8	4,9	0,9	5,5	0,9	5,2	0,9	4,9	0,9	4,6
- Manufacturing	24,1	23,4	25,9	25,1	28,0	28,8	28,3	28,4	27,4	31,3	24,5	30,0
- Building	8,9	9,9	10,2	9,0	10,4	8,3	8,8	6,9	8,4	6,1	7,9	5,8
SERVICES	34,7	51,1	38,2	50,9	42,4	49,3	46,6	52,0	50,0	50,9	54,9	52,8
- Distributive trade, hotels	14,5	13,4	15,8	14,9	17,3	15,5	17,7	16,0	18,8	16,3	21,0	16,7
- Transport and communication	3,9	5,8	4,9	5,9	5,2	6,1	5,7	6,6	5,9	6,8	5,9	7,1
- Banking, insurance, business services	6,1	17,6	5,6	17,2	6,6	16,6	7,3	17,7	8,7	17,4	10,6	18,4
- Public services and other non marketed services	10,2	14,3	11,9	12,9	13,3	11,1	15,9	11,7	16,6	10,4	17,4	10,6
T O T A L	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0

SOURCE: ISTAT, National Accounts.

(A) Employment.

(B) Value Added.



Tab.A3 Average Labour Productivity 1960-1984 (Lire 1970)

	<u>1 9 6 0</u>	<u>1 9 6 5</u>	<u>1 9 7 0</u>	<u>1 9 7 5</u>	<u>1 9 8 0</u>	<u>1 9 8 4</u>
AGRICULTURE	0.6	1.0	1.4	1.8	2.1	2.5
INDUSTRY	2.0	2.5	3.5	3.8	4.8	5.1
- Energy and water	10.9	14.8	19.8	20.1	21.8	21.1
- Manufacturing	1.7	2.3	3.3	3.6	4.8	5.2
- Building	2.0	2.1	2.6	2.8	3.0	3.1
SERVICES	2.6	3.2	3.8	4.0	4.3	4.0
- Distributive trade, hotels	1.6	2.3	2.9	3.2	3.6	3.4
- Transport and communication	2.6	2.9	3.8	4.2	4.9	5.1
- Banking, insurance, business services	5.1	7.4	8.0	8.7	8.4	7.3
- Public services and other non marketed services	2.5	2.6	2.7	2.6	2.6	2.6
T O T A L	1.8	2.4	3.2	3.6	4.2	4.2

SOURCE: ISTAT, National Accounts.

Employment by economic activity branches (National Accounts) 1960-1984. Self-employed

	<u>Share of total employment (%)</u>					
	<u>1960</u>	<u>1965</u>	<u>1970</u>	<u>1975</u>	<u>1980</u>	<u>1985</u>
<b>AGRICULTURE</b>	55.8	47.8	38.3	33.5	29.0	24.4
<b>INDUSTRY</b>	15.0	16.5	17.6	17.3	18.1	17.3
- Energy and water	0.1	0.1	0.1	0.1	0.1	0.1
- Manufacturing	12.0	12.6	13.2	12.8	13.0	12.3
- Building	2.9	3.8	4.3	4.5	4.9	4.9
<b>SERVICES</b>	29.3	35.7	38.1	49.2	52.9	58.3
- Distributive trades, hotels ...	22.5	27.0	32.6	35.8	38.4	41.7
- Transport and communication	2.3	3.6	4.4	4.9	5.2	5.2
- Banking, insurance, business services	4.5	5.0	7.1	8.4	9.4	11.4
- Public services and other non marketed services	0.0	0.0	0.0	0.0	0.0	0.0
<b><u>WHOLE ECONOMY</u></b>	100.0	100.0	100.0	100.0	100.0	100.0

SOURCE: National Accounts

Tab. A5

Employment by broad industry sector and sex (%) .1960-1985

	SELF-EMPLOYED							
	<u>Agriculture</u>		<u>Industry</u>		<u>Services</u>		<u>Whole economy</u>	
	M	F	M	F	M	F	M	F
1960	63.9	36.1	63.7	36.3	71.0	29.0	65.9	34.1
1965	66.0	34.0	70.9	29.1	71.1	28.9	68.6	31.4
1970	66.7	33.3	76.3	23.7	70.7	29.3	70.0	30.0
1975	65.4	34.6	80.5	19.5	69.6	30.4	70.0	30.0
1980	65.1	34.9	81.5	18.5	67.5	32.5	69.5	30.5
1985	66.1	33.9	82.3	17.7	68.2	31.8	70.4	29.6

SOURCE: ISTAT

Tab. A6 Employment by educational level (1977-1980-1985)

	<u>AGRICULTURE</u>			<u>INDUSTRY</u>			<u>SERVICES</u>			<u>WHOLE ECONOMY</u>			<u>PERCENTAGE CHANGES 1977-1985</u>			
	1977	1980	1985	1977	1980	1985	1977	1980	1985	1977	1980	1985	AGR.	IND.	SER.	TOT.
Illiterates or elementary school	90.1	84.9	77.4	62.7	54.8	45.2	42.1	35.8	27.3	57.5	50.2	38.8	-37.4	-35.3	-18.9	-30.3
Middle school	7.7	11.7	17.8	27.4	33.0	39.9	29.9	32.8	34.8	25.5	29.4	34.6	+69.7	+30.8	+45.4	+40.6
Secondary school	1.9	3.0	4.2	8.6	10.7	13.3	19.9	22.7	27.7	12.7	15.5	20.3	+57.4	+39.9	+73.9	+64.9
University degree	0.3	0.4	0.7	1.3	1.4	1.6	8.1	8.7	10.2	4.3	4.9	6.3	+50.0	+14.1	+56.3	+51.3
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-27.1	-10.1	+24.9	+ 3.4

SOURCE: ISTAT, Labour Force Survey.

Tab. A7

Employment by educational level and professional status - 1985 (Thousands and %)

	<u>Entrepreneurs professional</u>		<u>Independent workers</u>		<u>Family aids</u>		<u>Managers and white- collar workers</u>		<u>Blue-collar workers</u>		<u>TOTAL</u>	
	N.	%	N.	%	N.	%	N.	%	N.	%	N.	%
Illiterates or without primary school	7	1.0	317	7.4	85	7.7	13	0.2	455	5.4	877	4.2
Primary school	83	12.0	2.200	51.2	435	39.4	420	6.8	4.033	47.5	7.171	34.6
Middle school	101	14.6	1.324	30.8	422	38.2	1.756	28.5	3.573	42.1	7.177	34.6
Secondary school	221	32.0	406	9.5	149	13.5	3.015	49.0	423	5.0	4.214	20.3
University degree	278	40.2	49	1.1	13	1.2	953	15.5	10	0.1	1.303	6.3
TOTAL	691	100.0	4.295	100.0	1.104	100.0	6.157	100.0	8.495	100.0	20.742	100.0

Persons in employment by economic activity sector and by age classes, 1985 (%)

	<u>Agriculture</u>	<u>Industry</u>	<u>Services</u>	<u>Whole economy</u>
14-19	9.1	46.4	44.5	100.0
20-24	6.9	41.0	52.1	100.0
25-29	6.7	34.6	58.7	100.0
30-39	6.7	32.8	60.5	100.0
40-49	10.1	34.4	55.5	100.0
50-59	18.6	29.8	51.7	100.0
60-64	27.7	17.7	54.6	100.0
65-70	36.8	12.1	51.0	100.0
more than 70	44.1	11.9	44.0	100.0
T O T A L	11.1	33.2	55.7	100.0

SOURCE: ISTAT; Labour Force Survey

Tab.A 9 Employment by broad industry sector and sex. Full-time/Part-time. 1983-1984-1985

	Levels (thousands)											
	<u>Agriculture</u>			<u>Industry</u>			<u>Services</u>			<u>Whole economy</u>		
	M	F	TOT	M	F	TOT	M	F	TOT	M	F	TOT
<u>1983</u>												
Full-time	1457	681	2138	5593	1634	7227	6615	3652	10266	13665	5966	19631
Part-time	133	195	328	81	104	185	120	318	439	335	617	952
<u>1984</u>												
Full-time	1393	601	1994	5267	1547	6814	6831	3783	10614	13491	5931	19422
Part-time	188	242	430	113	115	228	177	385	562	478	741	1219
<u>1985</u>												
Full-time	1328	578	1906	5160	1506	6666	7056	3942	10998	13544	6026	19570
Part-time	157	234	390	108	120	230	176	375	551	441	730	1171

	Share of total (%)											
	<u>Agriculture</u>			<u>Industry</u>			<u>Services</u>			<u>Whole economy</u>		
	M	F	TOT	M	F	TOT	M	F	TOT	M	F	TOT
<u>1983</u>												
Full-time	91.6	77.8	86.7	98.6	94.0	97.5	98.2	92.0	95.9	97.6	90.6	95.4
Part-time	8.4	22.2	13.3	1.4	6.0	2.5	1.8	8.0	4.1	2.4	9.4	4.6
<u>1984</u>												
Full-time	88.1	71.2	82.3	97.9	93.1	96.8	97.4	90.7	95.1	96.6	88.9	94.1
Part-time	11.9	28.8	17.7	2.1	6.9	3.2	2.6	9.3	4.9	3.4	11.1	5.9
<u>1985</u>												
Full-time	89.4	71.2	83.0	97.9	92.6	96.7	97.6	91.3	95.2	96.8	89.2	94.3
Part-time	10.6	28.8	17.0	2.1	7.4	3.3	2.4	8.7	4.8	3.2	10.8	5.7

SOURCE: ISTAT, Labour Force Survey

Tab. A10

Persons in employment by age classes: or by economic activity sector and by type of activity (temporary or permanent work), 1985 (%)

	<u>TOTAL</u>		<u>CLASS OF AGE</u>			<u>ECONOMIC ACTIVITY SECTOR</u>		
	N.	%	14-29	30-49	>50	Agriculture	Industry	Services
Permanent work	19.656	100.0	24.6	52.5	22.9	9.8	33.8	56.4
Temporary work	1.086	100.0	41.1	33.9	25.0	34.5	22.7	42.8
<b>T O T A L</b>	<b>20.742</b>	<b>100.0</b>	<b>25.5</b>	<b>51.5</b>	<b>23.0</b>	<b>11.1</b>	<b>33.2</b>	<b>55.7</b>

SOURCE: ISTAT, Labour Force Survey



Tab. A11 Reasons for working part-time by sex and age class - 1985 (%)

	<u>Sex</u>		TOT	<u>Age class</u>		
	M	F		14-29	30-49	more than 50
Part-time job because:						
- person is undergoing school education or training	5.4	2.3	3.5	10.5	1.1	0.3
- of own illness or disability	8.2	3.6	5.3	2.7	3.7	9.8
- person could not find a full-time job	41.5	32.1	35.6	54.2	36.1	18.4
- person did not want a full-time job	19.0	26.3	26.1	15.0	35.1	35.4
- of other reasons	25.9	26.3	26.1	17.7	24.0	36.2
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0

SOURCE: ISTAT, Labour Force Survey.

Tab. A12

Total and part-time workers. Percentages by class of age and by broad industry sector (1985)

	<u>Age classes</u>			TOTAL	<u>Sector</u>		
	14-29	50-49	> 50		Agriculture	Industry	Services
Part-time	28.3	39.7	31.9	100.0	33.3	19.5	47.3
TOTAL	25.5	51.5	23.0	100.0	11.1	33.2	55.7

SOURCE: ISTAT, Labour Force Survey

Tab. A13 Persons in employment by professional status and full-time/part-time  
1983 (%)

	Full-time	Part-time
Employers and self-employed	94.4	5.6
Employees	96.5	3.5
Family aids	84.2	15.8

SOURCE: Eurostat

Tab. A14 Persons in employment with only one job during the reference week by economic activity sector, by class of hours of work performed and by professional status - 1985 (%)

<u>Class of hours of work</u>	<u>Agriculture</u>	<u>Industry</u>	<u>Services</u>	<u>Whole economy</u>
1-15	8.4	1.5	2.3	2.7
16-20	8.1	2.2	4.4	4.0
21-25	4.5	1.7	3.8	3.2
26-30	9.3	2.1	4.0	3.9
31-35	3.2	2.2	1.6	2.0
36-40	27.3	71.6	56.2	58.2
41-45	8.1	7.4	10.5	9.2
more than 46	31.1	11.4	17.2	17.0
TOTAL	100.0	100.0	100.0	100.0

<u>Class of hours of work</u>	<u>Self-employed</u>	<u>Employee</u>	<u>TOTAL</u>
1-15	3.7	2.3	2.7
16-20	4.3	3.9	4.0
21-25	2.5	3.5	3.2
26-30	5.9	3.1	3.9
31-35	2.0	2.0	2.0
36-40	30.1	70.2	58.2
41-45	14.6	6.9	9.2
more than 46	37.0	8.2	17.0
TOTAL	100.0	100.0	100.0

SOURCE: ISTAT, Labour Force Survey

Tab. A15

Male employment by occupations 1971-1981 (thousands)

	<u>1 9 7 1</u>		<u>1 9 8 1</u>		<u>Change 1971-1981</u>	
	n.	% of total	n.	% of total	n.	%
Education professions	227	1.7	288	2.1	+ 61	+ 26.9
Literary, artistic, sports occupations	46	0.3	70	0.5	+ 24	+ 52.2
Health professions	179	1.3	289	2.1	+ 110	+ 61.5
Jurists	49	0.4	51	0.4	+ 2	+ 4.1
Agromonist, veterinariaus, biologists	14	0.1	23	0.2	+ 9	+ 64.3
Engineers, scientists, technicians, ....	189	1.4	291	2.1	+ 102	+ 54.0
Statisticians, economists, accountants	17	0.1	44	0.3	+ 27	+158.8
Production supervisors and general foremen	184	1.3	316	2.3	+ 132	+ 71.7
Managers and administrators	138	1.0	182	1.3	+ 44	+ 31.9
Clerical occupations	757	5.5	985	7.3	+ 228	+ 30.1
Secreterial occupations	616	4.5	718	5.3	+ 102	+ 16.6
Agriculture occupations	2317	16.8	1375	10.1	- 942	- 40.7
Operatives (skilled and unskilled) in all manufacturing activities	3616	26.3	3639	26.8	+ 23	+ 0.6
Operatives in building industry	2262	16.4	2011	14.8	- 251	- 11.1
Sales, catering and lodging services occupations	1377	10.0	1436	10.6	+ 59	+ 4.3
Transport occupations	850	6.2	892	6.6	+ 42	+ 4.9
Services occupations	532	3.9	583	4.3	+ 51	+ 9.6
Other professions (*)	385	2.8	389	2.9	+ 4	+ 1.0
<b>T O T A L</b>	<b>13754</b>	<b>100.0</b>	<b>13585</b>	<b>100.0</b>	<b>- 169</b>	<b>- 1.2</b>

(\*) "Other professions" includes: workers in religion, members of the Armed Forces; protective services workers.

Tab. A16

Female employment by occupations 1971-1981 (thousands)

	<u>1 9 7 1</u>		<u>1 9 8 1</u>		<u>Change 1971-1981</u>	
	n.	% of total	n.	% of total	n.	%
Education professions	452	8.9	767	11.5	+ 315	+ 69.7
Literary, artistic, sports occupations	11	0.2	30	0.5	+ 19	+172.7
Health professions	179	3.5	315	4.7	+ 136	+ 76.0
Jurists	2	...	6	0.1	+ 4	+200.0
Agronomist, veterinarians, biologists	2	...	6	0.1	+ 4	+200.0
Engineers, scientists, technicians, ....	5	0.1	18	0.3	+ 13	+260.0
Statisticians, economists, accountants	2	...	12	0.2	+ 10	+500.0
Production supervisors and general foremen.	16	0.3	51	0.8	+ 35	+218.8
Managers and administrators	13	0.3	28	0.4	+ 15	+115.4
Clerical occupations	301	5.9	716	10.7	+ 415	+137.9
Secretarial occupations	432	8.5	610	9.2	+ 178	+ 41.2
Agriculture occupations	947	18.6	790	11.9	- 157	- 16.6
Operatives (skilled and unskilled) in all manufacturing activities	1325	26.1	1472	22.1	+ 147	+ 11.1
Operatives in building industry	58	1.1	86	1.3	+ 28	+ 48.3
Sales, catering and lodging services occupations	806	15.9	1039	15.6	+ 233	+ 28.9
Transport occupations	12	0.2	23	0.3	+ 11	+ 91.7
Services occupations	513	10.1	690	10.4	+ 177	+ 34.5
Other professions (*)	2	...	5	0.1	+ 3	+150.0
<b>T O T A L</b>	<b>5079</b>	<b>100.0</b>	<b>6661</b>	<b>100.0</b>	<b>+1582</b>	<b>+ 31.1</b>

(\*) "Other professions" includes: workers in religion, members of the Armed Forces; protective services workers.

SOURCE: ISTAT, Census of Population.

Tab. A17 Employment by occupations, 1971-1981 (male/female shares)

	1 9 7 1		1 9 8 1	
	M	F	M	F
Education professions	33.4	66.6	27.3	72.7
Literary, artistic, sports occupations	80.7	19.3	70.0	30.0
Health professions	50.0	50.0	47.8	52.2
Jurists	96.3	3.7	90.0	10.0
Agronomist, veterinarians, biologists	90.2	9.8	79.5	20.5
Engineers, scientists, technicians, ...:	97.4	2.6	94.2	5.8
Statisticians, economists, accountants	94.4	5.6	78.6	21.4
Production supervisors and general foremen	92.0	8.0	86.1	13.9
Managers and administrators	92.0	8.0	86.7	13.3
Clerical occupations	71.6	28.4	57.9	42.1
Secretarial occupations	58.8	41.2	54.1	45.9
Agriculture occupations	71.0	29.0	63.5	36.5
Operatives (skilled and unskilled) in all manufacturing activities	73.2	26.8	71.2	28.8
Operatives in building industry	97.5	2.5	95.9	4.1
Sales, catering and lodging services occupations	63.1	36.9	58.0	42.0
Transport occupations	98.6	1.4	97.5	2.5
Services occupations	50.9	49.1	45.8	54.2
Other professions (*)	99.5	0.5	98.6	1.4
<b>T O T A L</b>	<b>73.0</b>	<b>27.0</b>	<b>67.1</b>	<b>32.9</b>

(\*) "Other professions" includes: workers in religion, members of the Armed Forces; protective services workers.

SOURCE: ISTAT, Census of Population.

Tab. A18 Employment by occupations and professional status, 1981 (thousands)

	<u>Entrepreneurs</u>		<u>SELF-EMPLOYED</u>				<u>Total</u>		<u>Managers and</u>		<u>EMPLOYEE</u>		<u>Total</u>		<u>TOTAL</u>	
	<u>professionals</u>		<u>Self-employed</u>		<u>Family</u>				<u>white-collars</u>		<u>Blue-collar</u>					
	N.	%	N.	%	N.	%	N.	%	N.	%	N.	%	N.	%	N.	%
Education professions	3	0.3	2	0.2	1	0.1	6	0.6	1048	99.3			1048	99.3	1055	100.0
Literary, artistic, sports occupations	20	20.0	10	10.0	...	...	30	30.0	69	69.0			69	69.0	100	100.0
Health professions	62	10.3	27	4.5	4	0.7	93	15.4	291	48.2	220	36.4	511	84.6	604	100.0
Jurists	44	76.1					44	77.2	14	23.9			14	23.9	57	100.0
Agronomist, veterinarians, biologists	5	17.5					5	17.5	24	82.5			24	82.5	29	100.0
Engineers, scientists, technicians, ....	80	25.9			1	0.3	81	26.2	228	73.8	1	0.3	229	74.1	309	100.0
Statisticians, economists, accountants	36	64.3					36	64.3	21	35.7			21	35.7	56	100.0
Production supervisors and general foremen									333	90.7	34	9.3	367	100.0	367	100.0
Managers and administrators	164	78.1			9	4.3	173	82.4	37	17.6			37	17.6	210	100.0
Clerical occupations	9	0.5			3	0.2	12	0.7	1688	99.2	1	0.1	1689	99.3	1701	100.0
Secretarial occupations			1	0.1	1	0.1	2	0.2	1175	88.5	152	11.4	1327	99.9	1328	100.0
Agriculture occupations	24	1.1	944	43.6	146	6.7	1114	51.5	6	0.3	1045	48.3	1051	48.6	2165	100.0
Operatives (skilled and unskilled)																
in all manufacturing activities	3	0.1	667	13.1	88	1.7	758	14.8	62	1.2	4291	84.0	4353	85.2	5111	100.0
Operatives in building industry			359	17.1	18	0.9	377	18.0	14	0.7	1706	81.4	1720	82.0	2097	100.0
Sales, catering and lodging services occupations	224	9.1	1060	42.8	331	13.4	1616	65.3	240	9.7	619	25.0	859	34.7	2475	100.0
Transport occupations	1	0.1	148	16.2	8	0.9	157	17.2	43	4.7	715	78.1	758	82.8	915	100.0
Services occupations	6	0.5	147	11.5	12	0.9	165	13.0	75	5.9	1033	81.1	1108	87.0	1273	100.0
Other professions (*)									170	43.0	225	57.0	395	100.0	395	100.0
<b>T O T A L</b>	<b>680</b>	<b>3.4</b>	<b>3365</b>	<b>16.6</b>	<b>622</b>	<b>3.1</b>	<b>4667</b>	<b>23.1</b>	<b>5538</b>	<b>27.4</b>	<b>10040</b>	<b>49.6</b>	<b>5578</b>	<b>76.9</b>	<b>20246</b>	<b>100.0</b>

(\*) "Other professions" includes: workers in religion, members of the Armed Forces; protective services workers.

SOURCE: ISTAT, Census of Population.



Tab. A19

Employment by occupations and age classes, 1981

	AGE CLASSES									TOTAL
	14-19	20-24	25-29	30-39	40-49	50-59	60-64	65-69	more than 70	
Education professions	0.6	5.2	14.6	38.4	22.7	14.7	2.9	0.8	0.2	100.0
Literary, artistic, sports occupations	4.3	13.0	17.1	28.4	20.4	13.5	2.0	0.8	0.6	100.0
Health professions	1.1	8.5	18.1	34.1	19.9	13.7	2.2	1.4	1.0	100.0
Jurists	-	0.9	10.7	24.3	25.9	22.6	7.1	5.0	3.5	100.0
Agronomists, veterinarians, biologists	0.7	7.2	21.3	30.7	16.2	18.4	3.9	1.2	0.5	100.0
Engineers, scientists, technicians, ....	0.7	9.6	20.0	36.5	18.1	12.5	1.6	0.5	0.4	100.0
Statisticians, economists, accountants	0.5	6.2	14.3	34.8	22.4	13.6	3.8	2.5	2.0	100.0
Production supervisors and general foremen	1.2	8.3	15.0	35.8	24.6	14.1	0.9	0.1	0.1	100.0
Managers and administrators	0.3	3.0	6.7	25.8	32.9	22.8	4.2	2.5	1.9	100.0
Clerical occupations	1.7	13.0	17.3	32.3	20.9	12.9	1.5	0.2	0.2	100.0
Secretarial occupations	4.0	15.0	18.0	29.5	19.6	12.5	1.3	0.3	0.2	100.0
Agriculture occupations	3.8	6.6	7.3	17.9	28.2	28.7	4.1	2.1	1.3	100.0
Operatives (skilled and unskilled) in all manufacturing activities	10.6	13.3	12.7	25.0	23.0	13.7	1.0	0.4	0.2	100.0
Operatives in building industry	8.4	12.4	12.5	24.9	24.0	16.2	1.2	0.2	0.1	100.0
Sales, catering and lodging services occupations	5.2	9.6	10.5	23.7	24.9	18.7	3.7	2.2	1.5	100.0
Transport occupations	1.2	8.1	12.6	28.9	29.2	18.3	1.3	0.3	0.2	100.0
Services occupations	5.2	8.7	9.9	23.4	27.2	21.2	3.0	0.9	0.5	100.0
Other professions (*)	3.1	16.2	15.2	26.4	21.2	15.3	1.5	0.8	0.5	100.0
TOTAL	5.6	10.8	12.8	26.5	23.9	16.9	2.1	0.9	0.6	100.0

148

(\*) "Other professions" includes: - workers in religion;  
- members of the Armed Forces;  
- protective services workers.

SOURCE: ISTAT, Census of Population.

Tab. A20 "Winners" and "losers" in selected urban areas (province)

Province Occupations	TORINO			MILANO			VICENZA			BOLOGNA			PISA		
	1971	1981	Var %	1971	1981	Var %	1971	1981	Var %	1971	1981	Var %	1971	1981	Var %
1.46 Nurses and related workers	8846	14572	+64,7	18228	25338	+39,0	3248	4892	+50,6	5321	7300	+37,2	2015	3049	+51,3
1.48 Osteopaths, chiropractors, sanitarians and related workers	615	2274	+269,8	1159	3883	+235,0	214	712	+232,7	422	1458	+245,5	145	331	+128,3
1.77 Engineer technicians	824	2864	+247,6	2935	6523	+122,2	324	696	+114,8	423	1137	+168,8	81	243	+200,0
1.6 Statisticians, mathematicians, economists and accountants	1067	3097	+190,3	3456	9349	+170,5	175	730	+317,1	664	1541	+132,1	191	429	+124,6
1.9 Production supervisors,...	26880	34872	+29,7	34496	55771	+61,7	2749	4838	+76,0	5032	8121	+61,4	2026	3128	+54,4
2.15 Managers in commercial businesses	240	514	+114,2	1398	3197	+128,7	60	170	+183,3	236	449	+90,3	10	35	+250,0
2.21 Clerical supervisors and government executive officials	43936	69035	+57,1	121405	122642	+1,0	6804	11192	+64,5	18467	15728	-14,8	3421	5889	+72,1
2.26 Analysts and computer programmers	1091	3183	+191,8	2767	7333	+165,0	74	379	+412,2	242	1039	+329,3	69	271	+292,8
2.29 Bookkeepers, cashiers and related workers	10742	22321	+107,8	36930	80717	+118,6	1804	6858	+280,2	4015	17404	+333,5	1322	2904	+119,7
7.23 Commercial travellers	7357	11882	+61,5	18088	27633	+52,8	2188	3982	+82,0	6818	9253	+35,7	948	1978	+108,6
7.4 Cooks, waiters, bartenders and related workers	9619	14194	+47,6	25136	30547	+21,5	2874	3788	+31,8	7961	8308	+4,4	1818	2663	+46,5
2.31 Stenographers and typists	8164	4303	-47,3	22833	18852	-17,4	874	1028	+17,6	2971	2756	-7,2	674	474	-29,7
3.2 Agriculture and animal husbandry workers	16395	5208	-68,2	11810	8874	-24,9	2175	2180	+0,2	27751	11897	-57,1	4353	2873	-34,0
4.2 Furnacemen, metal rolling-mill workers and related workers	11581	6863	-40,7	17596	9444	-46,3	2580	2357	-8,6	2535	2321	-8,4	451	665	+47,5
4.32 Boring-machine operators,...	29591	17056	-42,4	30667	23076	-24,8	3851	4425	+14,9	8413	7516	-10,7	1695	1569	-7,4
5.5 Tanners, fellmongers and pelt dressers, shoemakers,...	5076	3891	-23,3	15749	14894	-5,4	4374	11709	+167,7	5275	4957	-6,0	12197	15836	+29,8
5.61 Sawyers and plywood makers	1005	423	-57,9	1197	1032	-13,8	215	171	-20,5	273	162	-40,7	235	149	-36,6
<b>TOTAL</b>	<b>894899</b>	<b>960679</b>	<b>+7,4</b>	<b>1572426</b>	<b>1689066</b>	<b>+7,4</b>	<b>247080</b>	<b>297965</b>	<b>+20,6</b>	<b>376013</b>	<b>418223</b>	<b>+11,2</b>	<b>136819</b>	<b>153574</b>	<b>+12,2</b>

SOURCE: ISTAT, Census of Population

Tab. A20 (cont'd)

Province Occupations	ROMA			NAPOLI			PESCARA			BARI			CATANIA		
	1971	1981	Var %	1971	1981	Var %	1971	1981	Var %	1971	1981	Var %	1971	1981	Var %
1.46 Nurses and related workers	13527	21616	+59,8	7177	14120	+96,7	761	1467	+92,8	4256	8634	+102,9	2225	4219	+89,6
1.48 Osteopaths, chiropractors, sanitarians and related workers	1203	3686	+206,4	316	2080	+558,2	57	313	+449,1	290	737	+154,1	157	588	+274,5
1.77 Engineer technicians	1836	3786	+106,2	793	1826	+130,3	64	217	+239,1	270	862	+219,3	143	546	+281,8
1.8 Statisticians, mathematicians, economists and accountants	2015	5367	+166,4	515	1683	+226,8	81	361	+345,7	203	1071	+427,6	158	663	+319,6
1.9 Production supervisors,...	9970	20151	+102,1	6263	10022	+60,0	748	1234	+65,0	4601	5805	+26,2	1154	3057	+164,9
2.15 Managers in commercial businesses	324	559	+72,5	128	172	+34,4	5	45	+800,0	39	88	+125,6	55	55	-
2.21 Clerical supervisors and government executive officials	131773	191262	+45,1	29444	52198	+77,3	3645	5055	+38,7	7599	19835	+161,0	9015	14143	+56,9
2.26 Analysts and computer programmers	1132	4588	+305,3	124	842	+579,0	30	100	+233,3	119	519	+336,1	35	178	+408,6
2.29 Bookkeepers, cashiers and related workers	16875	32905	+95,0	7183	11229	+56,3	635	2355	+270,9	4316	8241	+90,9	2312	4958	+114,4
2.23 Commercial travellers	13416	16335	+21,8	6417	8351	+30,1	1516	2237	+47,6	2491	5781	+132,1	2550	4381	+71,8
2.4 Cooks, waiters, bartenders and related workers	29750	29936	+0,6	20421	19247	-5,7	1185	1849	+56,0	5810	7643	+31,5	3973	4424	+11,4
2.31 Stenographers and typists	12811	9912	-22,6	2718	2653	-2,4	278	318	+14,4	1075	1661	+54,5	724	1119	+54,6
3.2 Agriculture and animal husbandry workers	30355	22657	-25,4	47033	50673	+7,7	2127	2527	+18,8	88068	58307	-33,8	48446	42856	-11,5
4.2 Furnacemen, metal rolling-mill workers and related workers	3245	1468	-54,8	2332	2285	-2,0	228	691	+203,1	1043	2736	+62,3	262	253	-3,4
4.32 Boring-machine operators,...	3337	3320	-0,5	3468	3783	+9,1	329	306	-7,0	1537	1633	+6,2	493	675	+36,9
5.5 Tanners, fellemongers and pelt dressers, shoemakers,...	4717	4256	-9,8	14668	12677	-13,6	404	511	+26,5	3664	4599	+25,5	1959	1202	-38,6
5.61 Sawyers and plywood makers	73	85	+16,4	534	245	-54,1	51	36	-29,4	462	229	-50,4	298	143	-52,0
<b>TOTAL</b>	<b>1160121</b>	<b>1275512</b>	<b>+9,9</b>	<b>714706</b>	<b>758180</b>	<b>+6,1</b>	<b>82557</b>	<b>93741</b>	<b>+13,5</b>	<b>405490</b>	<b>447925</b>	<b>+10,5</b>	<b>261584</b>	<b>283232</b>	<b>+8,3</b>

## Tab. A 21

ISTAT professions classification

1. Professional, technical, scientific and related workers
  - 1.1 Teachers
    - 1.11 University teachers
    - 1.12-1.13 Secondary education teachers
    - 1.14 Primary and pre-primary education teachers
    - 1.15 School headmasters
    - 1.16 Special education teachers
    - 1.17 Anthropologists, historians and related workers
  - 1.2 Authors, journalists, artists and related workers
    - 1.21 Authors, journalists and related workers
    - 1.22 Painters and sculptors
    - 1.23 Art directors, coreographers, motion picture directors
    - 1.24 Composers, musicians, singers and actors
    - 1.25 Variety show actors
    - 1.26 Athletes, sportsmen and related workers
  - 1.3 Workers in religion
    - 1.31 Arcibishops, bishops
    - 1.32 Parish priests
    - 1.33 Other non catholic workers in religion
  - 1.4 Medical doctors, pharmacists, midwives, nurses and related workers
    - 1.41 General physicians and general surgeons
    - 1.42 Specialised physicians and surgeons
    - 1.43 Dentists
    - 1.44 Pharmacists
    - 1.45 Midwives
    - 1.46 Nurses and related workers
    - 1.47 X-ray technicians, optometrists, opticians and related workers
    - 1.48 Osteopaths, chiropractors, orthopaedic technicians, sanitarians and related workers
  - 1.5 Jurists
    - 1.51 Judges and jurists
    - 1.52 Lawyers
    - 1.53 Notary publics
  - 1.6 Agronomists, veterinarians and biologists
    - 1.61 Agronomists and related scientists
    - 1.62 Veterinarians
    - 1.63 Biologists, zoologists and related scientists

/.

- 1.7            Physical scientists, architects, engineers, chemists,  
draughtsmen, surveyors and related technicians
- 1.71          Physicists, astronomical and geological scientists
- 1.72          Chemists
- 1.73          Civil engineers
- 1.74          Other engineers
- 1.75          Architects
- 1.76          Surveyors
- 1.77          Engineering technicians
- 1.78          Draughtsmen
  
- 1.8           Statisticians, mathematicians, economists and accountants
- 1.81          Mathematicians, statisticians, economists, sociologists
- 1.82          Accountants
  
- 1.9           Production supervisors and general foremen (\*)
- 1.91          Production supervisors
- 1.92          Production general foremen
  
- 2.            Administrative workers
  
- 2.1           Managers, legislative officials and government administrators
- 2.11          Entrepreneurs and chief executives of manufacturing,  
transport, banking and services businesses
- 2.12          Entrepreneurs and chief executives of commercial businesses
- 2.13          Entrepreneurs and chief executives of restaurant, hotels and  
catering businesses
- 2.14          Managers in manufacturing, transport, banking and services  
businesses
- 2.15          Managers in commercial businesses
- 2.16          Managers in restaurants, hotels and catering businesses
- 2.17          General managers in Public Administration
  
- 2.2           Clerical supervisors, government executive officials and  
related workers
- 2.21          Clerical supervisors and government executive officials
- 2.22          Librarians and archivists
- 2.23          Legal clerks
- 2.24          Railway station masters
- 2.25          Postmasters
- 2.26          Analysts and computer programmers
- 2.27          Railway passenger train guards
- 2.28          Shop cashiers
- 2.29          Bookkeepers, cashiers and related workers

/.

- 2.3 Clerical and related workers
- 2.31 Stenographers and typists
- 2.32 Bookkeeping and calculating machine operators
- 2.33 Card - and tape - punching machine operators
- 2.34 Electronic computer operators
- 2.35 Conductors, ticket controllers, office boys
- 2.36 Mail distribution clerks
- 2.37 Telephone and telegraph operators
- 2.38 Weighing clerks
- 2.39 Clerical and related workers n. e. c.
  
- 2.4 Members of the Armed Forces
- 2.41 Officers
- 2.42 Non-commissioned officers
- 2.43 Other regular soldiers
  
- 2.5 Protective services workers
- 2.51 Police officers
- 2.52 Police Detective inspectors and related workers
- 2.53 Non-commissioned workers of Police, Fire-fighting, etc.
- 2.54 Policemen, fire-fighters and related workers
  
- 3. Agricultural, animal husbandry and forestry workers,  
fishermen and hunters
  
- 3.1 Farmers, farm managers and supervisors
- 3.11 General farmers
- 3.12 Specialised farmers
- 3.13 Animal husbandry farmers
- 3.14 Farm managers and supervisors
  
- 3.2 Agriculture and animal husbandry workers
- 3.21 General agriculture workers
- 3.22 Specialised agriculture workers
- 3.23 Farm machinery operators
- 3.24 Livestock workers
  
- 3.3 Forestry workers
- 3.31 Forestry workers
- 3.32 Charcoal-burners
  
- 3.4 Fishermen, hunters and related workers
- 3.41 Fishermen and related workers
- 3.42 Hunters

/.

- 4. Mineral processers
  - 4.1 Miners, quarrymen, well drillers and related workers
    - 4.11 Well drillers and borers
    - 4.12 Miners and quarrymen
    - 4.13 Mineral and stone treaters
    - 4.14 Other mining workers
  - 4.2 Furnacemen, metal rolling-mill workers and related workers
    - 4.21 Furnacemen, metal melters, reheaters and casters
    - 4.22 Metal rolling-mill workers
    - 4.23 Electroplasters and other metal plasters and coaters
  - 4.3 Blacksmiths, toolmakers and machine tool operators
    - 4.31 Blacksmiths, hammersmiths and forging-press operators
    - 4.32 Boring-machine operators, milling-machine operators, lathe operators
    - 4.33 Metal grinders, polishers and tool sharpeners
    - 4.34 Tool makers
    - 4.35 Jewellery workers
    - 4.36 Blacksmiths, toolmakers and machine tool operators n. e. c.
  - 4.4 Machinery fitters, machine assemblers and precision instruments makers
    - 4.41 Machinery fitters
    - 4.42 Machine assemblers
    - 4.43 Orthopaedic appliances and dental prosthesis makers and repairers
    - 4.44 Watches, clocks and precision instruments makers
    - 4.45 Oilers and greasers
  - 4.5 Structural metal preparers, welders and sheet-metal workers
    - 4.51 Structural metal preparers
    - 4.52 Welders and flame-cutters
    - 4.53 Sheet-metal workers, coppersmiths
  - 4.6 Stone, glass, ceramics workers
    - 4.61 Cement and concrete workers
    - 4.62 Stone cutters and carvers
    - 4.63 Glass formers
    - 4.64 Potters and related clay and abrasive formers
    - 4.65 Brick and tile klinmen and furnacemen
    - 4.66 Stone and glass grinders and finishers
    - 4.67 Stone, glass and ceramic engravers, etchers, painters and decorators

- 5. Products transformation workers
  - 5.1 Food and beverage processors
    - 5.11 Millers
    - 5.12 Bakers
    - 5.13 Pastrycooks
    - 5.14 Sugars processers and refiners
    - 5.15 Butchers
    - 5.16 Food preservers
    - 5.17 Dairy products processers
    - 5.18 Brewers, wine and beverage makers
    - 5.19 Food and beverage processers n. e. c.
  - 5.2 Tobacco preparers and tobacco product makers
    - 5.21 Tobacco preparers
    - 5.22 Cigars and cigarettes makers
  - 5.3 Spinners, weavers, dyers and related workers
    - 5.31 Fibre preparers
    - 5.32 Spinners
    - 5.33 Weavers
    - 5.34 Textile product finishers
    - 5.35 Bleachers and dyers
    - 5.36 Textile printers
    - 5.37 Textile workers n. e. c.
  - 5.4 Tailors, dressmakers, sewers, upholsterers and related workers
    - 5.41 Linen and shirts makers
    - 5.42 Knitters
    - 5.43 Tailors and dressmakers, fur tailors
    - 5.44 Hats, gloves, ties makers
    - 5.45 Sewers and embroiderers
    - 5.46 Button makers
    - 5.47 Upholsterers and mattress makers
    - 5.48 Tailors, dressmakers and related workers n. e. c.
  - 5.5 Tanners, fellmongers and pelt dressers, shoemakers and leather good makers
    - 5.51 Tanners, fellmongers and pelt dressers
    - 5.52 Shoemakers
    - 5.53 Bags makers
    - 5.54 Other leather goods makers



- 5.6 Wood treaters, cabinetmakers and related wood workers
- 5.61 Sawyers and plywood makers
- 5.62 Wooden furniture makers
- 5.63 Wood carvers and engravers
- 5.64 Wooden musical instruments makers
- 5.65 Coach-body builders
- 5.66 Wood carpenters
- 5.67 Basketry weavers and related workers
- 5.68 Wood painters and polishers
- 5.69 Other cabinetmakers and related workers
  
- 5.7 Chemical processers, rubber and plastics products makers
- 5.71 Chemical processers
- 5.72 Colour makers
- 5.73 Petroleum-refining workers
- 5.74 Rubber products makers, tire makers and vulcanisers
- 5.75 Plastics products makers
- 5.76 Matches makers
- 5.77 Fireworks makers
- 5.78 Soaps and perfumes makers
- 5.79 Other chemical processers
  
- 5.8 Paper preparers and product makers, printers, photographers and related workers
- 5.81 Paper pulp preparers
- 5.82 Paper and paperboard product makers
- 5.83 Other paper workers
- 5.84 Compositors and type-setters
- 5.85 Printing pressmen
- 5.86 Printing engravers
- 5.87 Photographers and photo-engravers
- 5.88 Bookbinders
- 5.89 Printers and related workers n. e. c.
  
- 5.9 Quality inspectors, packers, canners and bottlers
- 5.91 Quality inspectors
- 5.92 Packers, canners and bottlers

- 6. Construction workers, stationary engine and related equipment operators
  - 6.1 General supervisors, bricklayers, carpenters and other construction workers
    - 6.11 General supervisors in building
    - 6.12 Bricklayers, stonemasons
    - 6.13 Reinforced concreters, cement finishers
    - 6.14 Plasterers
    - 6.15 Tile setters, paviours
    - 6.16 Tunnels and railways builders
    - 6.17 Earth-moving and related machines operators
    - 6.18 Signalmen
    - 6.19 Building labourers and related workers
  - 6.2 Electrical fitters and other electrical and electronics workers
    - 6.21 Power-generating machine operators
    - 6.22 Electrical fitters
    - 6.23 Electrical technicians
    - 6.24 Radio and television repairmen
    - 6.25 Telephone and telegraph installers
    - 6.26 Electrical wiremen
  - 6.3 Plumbers, gas workers, thermo hydraulic workers
    - 6.31 Pipelayers
    - 6.32 Gas workers
    - 6.33 Thermo hydraulic plumbers
    - 6.34 Stationary engine and related equipment operators
- 7 Sales workers, catering and lodging services workers
  - 7.1 Working proprietors (wholesale and retail trade)
    - 7.11 Wholesale and retail traders
    - 7.12 Newspapers traders
    - 7.13 Street vendors
  - 7.2 Salesmen, shop assistants, commercial travellers, sales supervisors
    - 7.21 Sales supervisors
    - 7.22 Shop assistants
    - 7.23 Commercial travellers
    - 7.24 Insurance, real estate, securities and business services salesmen

- 7.3 Working proprietors (hotels and restaurants)
- 7.31 Working proprietors (hotels and restaurants)
- 7.32 Working proprietors (bars)
  
- 7.4 Cooks, waiters, bartenders and related workers
- 7.41 Hotel concierges
- 7.42 Hotels and restaurants cooks
- 7.43 Hotel maids
- 7.44 Restaurant waiters
- 7.45 Bartenders
- 7.46 Wardrobe mistresses and other related workers
  
- 8 Transport equipment operators and labourers
  
- 8.1 Land transport equipment operators
- 8.11 Railway engine-drivers
- 8.12 Tram drivers
- 8.13 Railway brakemen and shunters
- 8.14 Motor-vehicles drivers
- 8.15 Crane and hoist operators
- 8.16 Animal and animal-drawn vehicles drivers
- 8.17 Other land transport equipment operators
  
- 8.2 Ship's officers and pilots, ship's equipment operators
- 8.21 Ship's officers and pilots
- 8.22 Ship's engine room ratings
- 8.23 Ships and boats drivers
- 8.24 Seamen
  
- 8.3 Aircraft pilots, air transport service supervisors, air traffic controllers
- 8.31 Aircraft pilots
- 8.32 Aeroplane fitters
- 8.33 Air transport service supervisors, air traffic controllers
  
- 8.4 Transport equipment charterers and related workers
- 8.41 Transport equipment charterers
- 8.42 Forwarding agents
- 8.43 Divers
  
- 8.5 Dockers and other transport equipment operators
- 8.51 Dockers, porters
- 8.52 Other transport equipment operators

- 9 Service workers
- 9.1 Cinemas and theatres working proprietors
- 9.11 Cinemas and theatres working proprietors
- 9.12 Services supply agencies working proprietors
- 9.2 Social workers, translators and interpreters, astrologers
- 9.21 Social workers
- 9.22 Interpreters and translators
- 9.23 Astrologers and fortune tellers
- 9.3 Fashion models, hostesses, touristic guides and related workers
- 9.31 Mannequins
- 9.32 Fashion and artistic models
- 9.33 Hostesses and touristic guides
- 9.4 Hairdressers, barbers and launderers
- 9.41 Barbers, hairdressers
- 9.42 Launderers
- 9.5 Street-sweepers and cleaning services workers
- 9.51 Street-sweepers
- 9.52 Janitors and cleaning services workers
- 9.6 Maids, concierges, janitors, vergers
- 9.61 Maids
- 9.62 Concierges
- 9.63 Vergers, janitors
- 9.64 Sacristans
- 9.65 Guards
- 9.7 Services workers n. e. c. (i.e. undertakers, bookmakers)
- 9.9 Professions not elsewhere classified

(\*) In theory there is not a big difference between 1.91 and 1.92. In practice often in 1.91 class productions managers and related workers are included

Tab. A22

Sample survey of manufacturers, Lombardy Region (1985)17 professions in high demand (projected % increase over 1985)

1) Compositors and type setters	+ 15.8
2) Fashion stylists	+ 7.5
3) Electronic engineers	+ 6.4
4) Mechanical hot-working workers	+ 4.4
5) Spining and weaving supervisors	+ 3.5
6) Woodworking-Machine Operators	+ 3.4
7) Marketing and merchandising experts	+ 2.4
8) Hide and leather general workers	+ 2.3
9) Building industry supervisors	+ 2.0
10)Electronic maintenance experts	+ 1.9
11)Chemical lab technicians	+ 1.8
12)Industrial relations experts	+ 1.5
13)Hide and leather stylists	+ 1.4
14)Wood workers	+ 1.4
15)Filter and separator operators	+ 1.3
16)Pharmaceutical industry technicians	+ 1.0
17)Brewers, wine and beverage makers	+ 1.0

9 declining professions (projected % decrease from 1985)

1) Cocoa preparers	- 51.5
2) Bakers and pastrycooks	- 24.0
3) Ceramics kilnmen	- 19.6
4) Metal workers	- 10.2
5) Cement finishers and roofers	- 8.8
6) Blacksmiths	- 7.4
7) Food processors	- 7.1
8) Glass cutters	- 6.7
9) Millers	- 6.6

SOURCE: Federazione regionale fra le Associazioni Industriali della Lombardia, (1986).

Tab. A23

Variations of employment structure by skill-level (\*)

<u>Skill-level</u>	<u>1985-1987</u>			<u>1987-1990</u>		
	(a)	(b)	(a)-(b)	(a)	(b)	(a)-(b)
Unskilled blue-collars	3,9	53,2	- 49,3	-	34,8	- 34,8
Intermediate skill blue-collars	6,0	57,1	- 51,1	5,2	44,2	-39,0
Skilled blue-collars	57,6	4,7	+ 52,9	53,2	5,2	+ 48,0
Unskilled white-collars	6,1	45,1	- 39,0	4,2	33,3	- 29,1
Administrative (skilled) personnel	44,6	6,0	+ 38,6	35,5	2,6	+ 32,9
Salesmen	53,1	3,1	+ 50,0	31,6	3,5	+ 28,1

(a) = increasing

(b) = decreasing

(\*) Firms were asked to fill in three possible answers: increasing, stable, decreasing.  
The numbers indicate percentages of valid answers ("stable" is not reported).

SOURCE: Unione Industriale di Torino (1985).

Tab. A24 Codes for Divisions and Classes of the General Industrial Classification of Economic Activities within the European Communities (NACE)

00	Agriculture, hunting, forestry and fishing	50	Building and civil engineering
01	Agriculture and hunting	50	Building and civil engineering
02	Forestry		
03	Fishing		
		60	Distributive trades, hotels, catering, repairs
10	<b>Energy and water</b>	61	Wholesale distribution (except dealing in scrap and waste materials)
11	Extraction and briquetting of solid fuels	62	Dealing in scrap and waste materials
12	Coke ovens	63	Agents
13	Extraction of petroleum and natural gas	64/65	Retail distribution
14	Mineral oil refining	66	Hotels and catering
15	Nuclear fuels industry	67	Repair of consumer goods and vehicles
16	Production and distribution of electricity, gas, steam and hot water		
17	Water supply: collection, purification and distribution of water	70	<b>Transport and communication</b>
		71	Railways
20	<b>Extraction and processing of non-energy-producing minerals and derived products; chemical industry</b>	72	Other land transport (urban transport, road transport etc.)
21	Extraction and preparation of metalliferous ores	73	Inland water transport
22	Production and preliminary processing of metals	74	Sea transport and coastal shipping
23	Extraction of minerals other than metalliferous and energy-producing minerals; peat extraction	75	Air transport
24	Manufacture of non-metallic mineral products	76	Supporting services to transport
25	Chemical industry	77	Travel agents, freight brokers and other agents facilitating the transport of passengers or goods; storage and warehousing
26	Man-made fibres industry	79	Communication
		80	<b>Banking and finance, insurance, business services, renting</b>
30	<b>Metal manufacture; mechanical, electrical and instrument engineering</b>	81	Banking and finance
31	Manufacture of metal articles (except for mechanical, electrical and instrument engineering and vehicles)	82	Insurance except for compulsory social insurance
32	Mechanical engineering	83	Activities auxiliary to banking, finance and insurance; real estate transactions (except letting of real estate by the owner), business services
33	Manufacture of office machinery and data processing machinery	84	Renting, leasing and hiring of movables
34	Electrical engineering	85	Letting of real estate by the owner
35	Manufacture of motor vehicles and of motor vehicle parts and accessories		
36	Manufacture of other means of transport		
37	Instrument engineering		
		90	<b>Other services</b>
40	<b>Other manufacturing industries</b>	91	Public administration, National defence and compulsory social security
41/42	Food, drink and tobacco industry	92	Sanitary services and administration of cemeteries
43	Textile industry	93	Education
44	Leather and leather goods industry (except footwear and clothing)	94	Research and development
45	Footwear and clothing industry	95	Medical and other health services, veterinary services
46	Timber and wooden furniture industries	96	Other services provided to the general public
47	Manufacture of paper and paper products; printing and publishing	97	Recreational services and other cultural services
48	Processing of rubber and plastics	98	Personal services
49	Other manufacturing industries	9A	Domestic services
		9B	Diplomatic representation, international organizations and allied armed forces

Tab. A25

Census of Population 1981: employment by branches (NACE classification) and occupation

Occupations	B R A N C H E S										Total
	Agriculture			Industry			Trade and services				
	0	1	2	3	4	5	6	7	8		
1. Professional, technical and related workers	7.151	33.765	65.409	163.070	82.050	53.324	67.246	39.426	256.208	1.833.128	2.600.777
1.1. Teachers	-	-	-	-	-	-	-	-	-	1.054.916	1.054.916
1.2. Authors, journalists and related workers	-	-	684	40	24.161	-	3.515	55	16.093	54.984	99.512
1.3. Workers in religion	-	-	-	-	-	-	-	-	-	23.550	23.550
1.4. Medical, dental and related workers	-	207	1.721	2.190	696	403	33.132	554	342	584.815	604.060
1.5. Jurists	-	-	-	-	-	-	-	-	48.704	8.512	57.216
1.6. Agronomists, veterinarians, biologists	5.505	-	717	-	938	-	520	-	6.784	14.737	29.201
1.7. Physical scientists, architects, engineers and related technicians	124	11.363	22.666	62.117	10.009	33.574	3.340	6.794	116.890	42.405	309.282
1.8. Statisticians, mathematicians, economists and accountants	-	631	660	1.342	873	305	1.480	649	45.503	5.051	56.494
1.9. Production supervisors and general foremen	1.522	21.564	38.981	97.381	45.373	19.042	25.259	31.374	21.892	64.158	366.546
2. Administrative workers	24.614	67.194	145.952	323.128	321.604	129.627	427.684	434.554	542.537	1.192.798	3.609.692
2.1. Managers, legislative officials and government administrators, wholesale and retail trade managers, hotels and restaurants managers	-	516	7.868	22.094	35.458	53.108	66.031	5.611	9.875	9.279	209.840
2.2. Clerical supervisors, government executive officials etc.	14.250	40.497	81.593	171.901	135.931	49.799	205.190	187.497	360.973	453.109	1.700.740
2.3. Clerical and related workers	10.364	26.181	56.491	129.133	150.215	26.720	156.463	241.446	171.656	359.410	1.328.079
2.4. Members of the Armed Forces	-	-	-	-	-	-	-	-	-	87.742	87.742
2.5. Protective services workers	-	-	-	-	-	-	-	-	33	283.258	283.291
3. Agricultural, animal husbandry and forestry workers, fishermen and hunters	2.132.549	16	-	67	4.891	3.153	5.817	-	-	18.063	2.164.556
3.1. Farmers, farm managers and supervisors	1.096.794	-	-	-	-	-	-	-	-	-	1.096.794
3.2. Agricultural and animal husbandry workers	984.610	-	-	67	3.294	3.153	5.362	-	-	17.733	1.014.219
3.3. Forestry workers	16.561	16	-	-	1.587	-	455	-	-	330	18.939
3.4. Fishermen, hunters and related workers	34.594	-	-	-	10	-	-	-	-	-	34.604



## Occupations

	B R A N C H E S										
	Agriculture	Industry					Trade and services				Total
	0	1	2	3	4	5	6	7	8	9	
4. Mineral processors	6.813	18.864	425.139	1.434.404	141.495	47.248	354.025	45.614	1.079	26.371	2.501.052
4.1. Miners, quarrymen, well drillers and related workers	-	1.745	34.810	-	12	6.501	-	-	-	-	43.068
4.2. Metal processors	-	-	43.829	79.877	72	-	-	-	-	-	123.778
4.3. Blacksmiths, toolmakers and machine tool operators	2.840	6.765	95.114	823.910	73.356	15.025	42.938	13.099	40	10.523	1.083.810
4.4. Machinery fitters, machine assemblers and precision instruments makers	3.973	7.666	38.002	331.984	50.980	8.091	228.941	28.453	958	13.306	712.354
4.5. Structural metal preparers, welders and sheet-metal workers	-	2.688	16.328	194.262	9.532	16.659	77.438	4.062	81	2.542	323.592
4.6. Stone, glass, ceramics workers	-	-	197.056	4.371	7.543	972	4.708	-	-	-	214.650
5. Products transformation workers	30.638	16.983	139.953	42.719	2.090.484	75.428	170.913	2.836	2.433	37.710	2.610.097
5.1. Food and beverage processors	25.466	-	-	-	177.861	-	84.519	27	-	1.422	289.295
5.2. Tobacco preparers and tobacco product makers	970	-	-	-	12.004	-	625	-	-	-	13.599
5.3. Spinners, weavers, dyers and related workers	-	-	6.959	-	310.669	-	-	-	-	-	317.628
5.4. Tailors, dressmakers, sewers, upholsterers and relate workers	-	-	-	1.408	569.374	-	31.793	-	2	7.781	610.358
5.5. Tanners, fellmongers and pelt dressers, shoe makers and leather goods makers	-	-	3	-	277.820	-	24.168	-	-	307	302.298
5.6. Wood treaters, cabinetmakers and related wood workers	452	408	2.553	13.498	397.447	75.428	13.977	1.949	280	5.598	511.588
5.7. Chemical processors, rubber and plastics product makers	-	16.411	118.944	14.798	111.695	-	3.420	-	-	8.117	273.385
5.8. Paper preparers and product makers, printers, photographers and related workers	-	-	103	2.451	201.621	-	5.081	-	2.151	14.478	225.885
5.9. Quality inspectors, packers, canners and bottlers	3.750	164	11.391	10.566	31.993	-	7.330	860	-	7	66.061
6. Construction workers, stationary engine operators, etc.	15.037	92.462	64.102	221.818	33.149	1.484.604	58.158	71.739	92	56.128	2.097.289
6.1. General supervisors, bricklayers, carpenters, etc.	15.034	5.206	34.656	19.864	15.246	1.316.594	-	13.908	-	18.668	1.439.176
6.2. Electrical fitters and other electrical and electronics workers	3	71.346	26.211	181.591	14.824	56.830	57.973	56.655	92	25.720	491.245
6.3. Plumbers, gas workers	-	15.910	3.235	20.363	3.079	111.180	185	1.176	-	11.740	166.868

## Occupations

	B R A N C H E S										
	Agriculture			Industry			Trade and services				Total
	0	1	2	3	4	5	6	7	8	9	
7. Sales workers, catering and lodging services workers	3.730	663	9.340	14.938	25.740	962	2.288.140	12.701	50.652	68.018	2.474.884
7.1. Working proprietors (wholesale and retail trade)	-	-	-	-	5.959	-	1.122.748	3.597	2.819	-	1.135.123
7.2. Salesmen, shop assistants, commercial travellers, sales supervisors	3.514	-	7.017	6.280	15.692	-	628.625	1.446	47.833	510	710.917
7.3. Working proprietors (hotels and restaurants)	-	-	-	-	-	-	227.190	-	-	-	227.190
7.4. Cooks, waiters, bartenders and related workers	216	863	2.323	8.658	4.089	962	309.577	7.658	-	67.508	401.654
8. Transport equipment operators and labourers	12.441	5.336	38.879	33.197	38.796	47.009	66.276	615.061	8.072	49.991	915.058
8.1. Land transport equipment operators	7.035	4.668	33.552	27.989	28.494	44.509	48.596	462.901	4.255	41.951	703.950
8.2. Ship's officers and pilots, ship's equipment operators	2.952	-	-	932	-	-	-	53.220	33	-	57.137
8.3. Aircraft pilots, air transport service supervisors, air traffic supervisors, air traffic controllers	58	-	-	-	-	-	-	9.199	29	942	10.228
8.4. Transport equipment charterers and related workers	72	-	-	-	-	-	-	4.448	2.248	-	6.768
8.5. Dockers and other transport equipment operators	2.324	668	5.327	4.276	10.302	2.500	17.680	85.293	1.507	7.098	136.975
9. Service workers	7.349	6.011	12.980	23.140	18.900	3.858	45.399	33.503	59.260	1.062.532	1.272.932
9.1. Cinemas and theatres working proprietors	-	-	-	-	-	-	613	762	1.337	7.854	10.566
9.2. Social workers, translators and interpreters, astrologers	-	209	711	2.069	1.110	-	3.275	760	1.632	23.637	33.403
9.3. Fashion models, hostesses, touristic guides and related workers	-	-	-	-	255	-	1.023	3.873	205	1.823	7.179
9.4. Hairdressers, barbers, launderers	-	-	-	-	430	-	199	-	-	241.663	242.292
9.5. Street-sweepers, cleaners	-	294	1.119	1.675	1.359	316	1.470	7.429	848	102.664	117.174
9.6. Maids, concierges, janitors, vergers	6.642	5.405	10.432	17.935	14.317	3.174	38.122	20.362	53.339	672.024	841.752
9.7. Service workers not elsewhere classified	-	-	304	514	560	-	-	-	1.763	11.561	14.702
9.9. Professions not elsewhere classified	707	103	414	947	869	368	697	317	136	1.306	5.864
<b>T O T A L</b>	<b>2.240.322</b>	<b>241.294</b>	<b>901.754</b>	<b>2.256.481</b>	<b>2.757.109</b>	<b>1.845.213</b>	<b>3.483.658</b>	<b>1.255.434</b>	<b>920.333</b>	<b>4.344.739</b>	<b>20.246.337</b>

Source: ISTAT, Census of Population

Tab. A20 Census of Population: employment by occupations (1971-1981)

N. CLASSIFI- CAZIONE	PROFESSIONI	$\Delta$ %		
		1 9 8 1	1 9 7 1	7 1 - 8 1
1	<b>Professioni liberali, tecniche, scientifiche, e assimilate</b>	2.600.777	1.605.857	+ 62,0
1.1	<b>Professori, insegnanti, e assimilati</b>	1.054.916	678.879	+ 55,4
1.11	Professori universitari e assimilati	34.364	21.447	+ 60,2
1.12	Professori di scuola secondaria superiore e assimilati	186.920	88.206	+111,9
1.13	Professori di scuola media e assimilati	240.497	177.184	+ 35,7
1.14	Insegnanti di scuola elementare e assimilati	458.160	328.725	+ 39,4
1.15	Presidi, capi di istituti di istruzione, direttori didattici	13.235	14.358	- 7,8
1.16	Insegnanti non altrove classificati	120.198	48.256	+149,1
1.17	Cultori di discipline non altrove classificati	1.542	703	+119,3
1.2	<b>Scrittori, giornalisti, artisti, e assimilati</b>	99.512	57.059	+ 74,4
1.21	Scrittori, giornalisti e pubblicitari	21.888	13.130	+ 66,7
1.22	Pittori, scultori, e assimilati	33.480	17.018	+ 96,7
1.23	Registi, direttori artistici, coreografi e tecnici dello spettacolo	5.171	2.082	+148,4
1.24	Musicisti, orchestrali, artisti lirici, attori	27.797	17.487	+ 59,0
1.25	Artisti di varietà e assimilati	3.935	2.922	+ 34,7
1.26	Attori, allenatori, e assimilati	7.241	4.420	+ 63,8
1.3	<b>Membri del clero e assimilati</b>	23.550	32.197	- 26,8
1.31	Arcivescovi, vescovi diocesani e superiori generali	2.585	1.715	+ 50,7
1.32	Parroci e altri sacerdoti addetti alla cura delle anime	19.950	29.833	- 33,1
1.33	Ministri di culti non cattolici	1.015	649	+ 56,4
1.4	<b>Medici, farmacisti, ostetriche, infermieri e tecnici sanitari</b>	604.060	357.911	+ 68,8
1.41	Medici chirurghi generici	119.580	71.257	+ 67,8
1.42	Medici chirurghi specialisti	30.316	14.843	+104,2
1.43	Dentisti	7.810	4.945	+ 57,9
1.44	Farmacisti	26.131	19.859	+ 31,6
1.45	Ostetriche	11.653	12.702	- 8,3
1.46	Infermieri e assimilati	326.615	199.978	+ 63,3
1.47	Operatori radiografici, ottici, odontotecnici, e assimilati	32.862	19.106	+ 72,0
1.48	Assistenti, tecnici sanitari, e assimilati	49.093	15.221	+222,5
1.5	<b>Magistrati, avvocati, notai</b>	57.216	51.313	+ 11,5
1.51	Magistrati e giuristi	7.520	7.206	+ 4,4
1.52	Avvocati e procuratori legali	45.151	40.258	+ 12,2
1.53	Notai	4.545	3.849	+ 18,1
1.6	<b>Agronomi, veterinari e biologi</b>	29.201	15.815	+ 84,6
1.61	Agronomi: periti agrari, forestali, zootecnici: e assimilati	16.127	8.906	+ 81,1
1.62	Veterinari	6.308	5.293	+ 19,2
1.63	Biologi, zoologi, naturalisti	6.766	1.616	+318,7
1.7	<b>Fisici, chimici, ingegneri, geometri, periti industriali, disegnatori e cartografi</b>	309.282	194.241	+ 59,2
1.71	Fisici, astronomi, geologi	3.759	1.953	+ 92,5
1.72	Chimici	14.703	12.701	+ 15,8
1.73	Ingegneri edili	14.639	8.123	+ 80,2

N. CLASSIFI- CAZIONE	PROFESSIONI	△ %		
		1 9 8 1	1 9 7 1	7 1 - 8 1
1.74	Altri ingegneri	46.249	27.985	+ 65,3
1.75	Architetti	20.063	8.088	+148,1
1.76	Geometri e periti edili	92.290	64.024	+ 44,1
1.77	Periti industriali, periti chimici, e assimilati	47.610	20.249	+135,1
1.78	Disegnatori tecnici e cartografi	68.353	49.755	+ 37,4
1.79	Tecnici di impianti nucleari	1.616	1.363	+ 18,6
1.8	Matematici, statistici, economisti e commercialisti	56.494	18.474	+205,8
1.81	Matematici, statistici, economisti, sociologi	4.279	1.217	+251,6
1.82	Commercialisti e assimilati	52.215	17.257	+202,6
1.9	Impiegati tecnici	366.546	199.968	+ 83,3
1.91	Tecnici con mansioni direttive e di concetto (escluse le professioni agricole)	183.891	106.268	+ 73,0
1.92	Tecnici con mansioni esecutive (escluse le professioni agricole)	182.655	93.700	+ 94,9
2	Professioni amministrative e assimilate	3.609.692	2.610.249	+ 38,3
2.1	Imprenditori e direttori imprese e pubblica amministrazione	209.840	150.243	+ 39,7
2.11	Imprenditori titolari e amministratori delegati di imprese industriali, dei trasporti, del credito e dei servizi	122.615	108.814	+ 12,7
2.12	Imprenditori titolari e amministratori delegati di imprese commerciali	44.535	15.511	+187,1
2.13	Imprenditori titolari e amministratori delegati di pubblici esercizi	5.802	3.074	+ 88,7
2.14	Direttori e categorie simili delle industrie, trasporti, credito e servizi	16.707	9.614	+ 73,8
2.15	Direttori e categorie simili del commercio	10.703	5.152	+107,7
2.16	Direttori e categorie simili dei pubblici esercizi	4.991	4.478	+ 11,5
2.17	Direttori generali e categorie simili della pubblica amministrazione	4.487	3.600	+ 24,6
2.2	Impiegati amministrativi con mansioni direttive e di concetto	1.700.740	1.058.180	+ 60,7
2.21	Impiegati amministrativi con mansioni direttive e di concetto	1.107.791	780.342	+ 42,0
2.22	Bibliotecari, impiegati di archivio, e assimilati	11.796	9.708	+ 21,5
2.23	Cancellieri e ufficiali giudiziari	8.896	7.637	+ 16,5
2.24	Capistazione e assimilati	19.135	15.390	+ 24,3
2.25	Titolari uffici postali, telegrafici, e assimilati	4.811	3.569	+ 34,8
2.26	Analisti e programmatori di calcolatori elettronici e di macchine contabili	33.895	8.885	+251,5
2.27	Capitreno e assimilati	20.753	17.040	+ 21,8
2.28	Cassieri di negozio	21.666	14.167	+ 52,9
2.29	Contabili, economisti, cassieri non altrove classificati	471.997	201.442	+134,3
2.3	Impiegati amministrativi con mansioni esecutive	1.328.079	1.047.583	+ 26,8
2.31	Dattilografi e stenografi	93.686	102.875	- 8,9
2.32	Operatori di macchine contabili e calcolatrici	11.231	3.767	+198,1
2.33	Operatori di macchine perforatrici	15.810	8.774	+ 80,2
2.34	Operatori di calcolatori elettronici, di macchine tradizionali, e assimilati	34.845	11.323	+207,7
2.35	Fattorini e bigliettai	14.583	22.276	- 34,5

N. CLASSIFI- CAZIONE	PROFESSIONI	$\Delta$ %		
		1 9 8 1	1 9 7 1	7 1 - 8 1
2.36	Portalettere e fattorini postali	63.669	57.605	+ 10,5
2.37	Telefonisti e telegrafisti	51.903	35.293	+ 47,1
2.38	Pesatori e misuratori	3.436	2.757	+ 24,6
2.39	Impiegati amministrativi non altrove classificati	1.038.916	802.913	+ 29,4
2.4	Membri dei corpi armati dello stato	87.742	95.480	- 8,1
2.41	Ufficiali	24.732	25.344	- 2,4
2.42	Sottufficiali	56.533	59.917	- 5,5
2.43	Graduat e militari di carriera	6.477	10.319	- 37,2
2.5	Membri dei corpi di polizia e sicurezza interna	283.291	258.763	+ 9,5
2.51	Ufficiali dei carabinieri, di polizia, della guardia di finanza, dei vigili del fuoco, e assimilati	9.436	7.129	+ 32,4
2.52	Ispettori generali di P. S., questori, commissari di polizia, e assimilati	2.174	1.536	+ 41,5
2.53	Sottufficiali dei carabinieri, di polizia, della guardia di finanza, dei vigili del fuoco, e assimilati	54.870	48.213	+ 13,8
2.54	Carabinieri, agenti di polizia, guardie di finanza, vigili del fuoco e assimilati	216.811	201.258	+ 7,7
3	Professioni inerenti all'agricoltura, alla silvicoltura, all'allevamento del bestiame e alla pesca	2.164.556	3.264.206	- 33,7
3.1	Conduttori e direttori di aziende agricole, forestali e zootecniche	1.096.794	1.852.902	- 40,8
3.11	Conduttori di aziende ad ordinamento produttivo misto e assimilati	897.787	1.541.888	- 41,8
3.12	Conduttori di aziende ad ordinamento produttivo specializzato e assimilati	153.799	249.932	- 38,5
3.13	Conduttori allevatori e assimilati	39.041	54.287	- 28,1
3.14	Direttori e categorie simili delle aziende agricole, forestali e zootecniche	6.167	6.795	- 9,2
3.2	Lavoratori agricoli, conducenti di macchine agricole, pastori, e assimilati	1.014.219	1.343.360	- 24,5
3.21	Lavoratori agricoli generici	917.364	1.239.624	- 26,0
3.22	Lavoratori agricoli specializzati	46.708	36.213	+ 29,0
3.23	Conducenti di macchine agricole	22.764	27.060	- 15,9
3.24	Pastori e guardiani di animali	27.383	40.463	- 32,3
3.3	Lavoratori forestali e carbonari	18.939	20.284	- 6,6
3.31	Lavoratori forestali e boschivi	18.152	18.595	- 2,4
3.32	Carbonari	787	1.689	- 53,4
3.4	Pescatori, cacciatori, e assimilati	34.604	47.660	- 27,4
3.41	Pescatori e assimilati	34.295	47.490	- 27,8
3.42	Cacciatori	309	170	+ 81,8
4	Professioni inerenti alla estrazione ed alla lavorazione dei minerali e dei loro prodotti	2.501.052	2.264.937	+ 10,4
4.1	Sondatori, perforatori, minatori, e assimilati	43.068	61.348	- 29,8
4.11	Sondatori e perforatori	5.248	5.591	- 6,1
4.12	Minatori e cavatori	22.099	38.237	- 42,2
4.13	Manovali di miniera e di cave	8.613	11.842	- 27,3
4.14	Operai addetti alla estrazione e alla preparazione dei minerali non altrove classificati	7.108	5.678	+ 25,2

N. CLASSIFI- CAZIONE	PROFESSIONI	△%		
		1981	1971	71-81
4.2	Fonditori, laminatori, e assimilati	123.778	135.292	- 8,5
4.21	Fonditori, fornaioli e formatori	82.301	84.018	- 2,0
4.22	Laminatori e trafilatori	27.957	36.090	- 22,5
4.23	Galvanoplastici, cementatori e temperatori	13.520	15.184	- 11,0
4.3	Fabbriferrai, tornitori, incisori, orafi, argentieri, e assimilati	1.083.610	831.685	+ 30,3
4.31	Fabbriferrai e lucinatori	90.315	101.786	- 11,3
4.32	Alesatori, fresatori e tornitori	166.937	200.866	- 16,9
4.33	Finitori e pulitori di prodotti meccanici	47.120	54.533	- 13,6
4.34	Utensilisti ed attrezzisti di officina	26.107	42.766	- 39,0
4.35	Incisori di metalli, orafi e argentieri	34.648	32.936	- 5,2
4.36	Operai metallurgici non altrove classificati	718.483	398.798	+ 80,2
4.4	Meccanici montatori, riparatori, di precisione, e assimilati	712.354	704.665	+ 1,1
4.41	Meccanici generici e riparatori meccanici	487.644	542.941	- 10,2
4.42	Meccanici montatori	165.765	103.209	+ 60,6
4.43	Meccanici e riparatori meccanici di protesi	11.224	3.437	+226,6
4.44	Meccanici di precisione e orologiai	35.256	43.526	- 19,0
4.45	Lubrificatori e pulitori	12.465	11.552	+ 7,9
4.5	Carpentieri in ferro, saldatori, e assimilati	323.592	295.793	+ 9,4
4.51	Carpentieri in ferro	64.878	50.646	+ 28,1
4.52	Saldatori	124.638	135.595	- 8,1
4.53	Lamieristi e ramai	134.076	109.552	+ 22,4
4.6	Frantumatori, cementieri e operai addetti alla lavorazione dei minerali non metalliferi	214.650	236.154	- 9,1
4.61	Frantumatori, cementieri, e assimilati	15.930	17.407	- 8,5
4.62	Tagliatori, levigatori, modellatori, di pietra, e assimilati	44.297	53.573	- 17,3
4.63	Vetrai	47.398	52.143	- 9,1
4.64	Ceramisti e terracottai	65.476	60.376	+ 8,4
4.65	Fornaciari di laterizi	24.717	39.220	- 37,0
4.66	Molatori, lucidatori e smerigliatori di pietre e vetro	5.031	4.831	+ 4,1
4.67	Incisori, decoratori, mosaicisti, di pietre, ceramiche e vetro	11.801	8.604	+ 37,2
5	Professioni inerenti alle trasformazioni dei prodotti	2.610.097	2.676.100	- 2,5
5.1	Panettieri, pastai, dolciari, macellatori, casari, vinificatori, e assimilati	289.295	282.552	+ 2,4
5.11	Mugnai e nsieri	11.506	17.052	- 32,5
5.12	Panettieri e pastai	74.238	81.847	- 9,3
5.13	Pasticcieri, caramellieri, e assimilati	59.771	52.777	+ 13,3
5.14	Zuccherieri	5.378	3.691	+ 45,7
5.15	Macellatori, insaccatori, salatori, e assimilati	43.560	34.765	+ 25,3
5.16	Conservieri	19.599	21.181	- 7,5
5.17	Casari	21.938	22.038	- 0,5
5.18	Vinificatori, birrai, lavoratori delle acque minerali, delle bevande alcoliche e analcoliche	19.505	23.735	- 17,8
5.19	Ceritori di prodotti agricoli e addetti alla lavorazione dei prodotti alimentari non altrove classificati	33.800	25.466	+ 32,7

N. CLASSIFICAZIONE	PROFESSIONI	$\Delta$ %		
		1981	1971	71 - 81
5.2	<b>Selezionatori, condizionatori e confezionatori del tabacco</b>	<b>13.599</b>	<b>32.669</b>	<b>- 58,4</b>
5.21	Condizionatori del tabacco	6.186	25.430	- 75,7
5.22	Sigari, sigarette e altri confezionatori del tabacco	7.413	7.239	+ 2,4
5.3	<b>Filatori, tessitori, tintori, e assimilati</b>	<b>317.628</b>	<b>358.592</b>	<b>- 11,4</b>
5.31	Cermiti, essiccatori, lavatori, cardatori, e assimilati	9.545	12.234	- 22,0
5.32	Filatori	42.628	60.648	- 29,7
5.33	Tessitori	71.821	125.893	- 43,0
5.34	Finitori di filati e tessuti	21.771	22.626	- 3,8
5.35	Candeggiatori e tintori di filati e tessuti	13.038	19.305	- 32,5
5.36	Stampatori di tessuti	7.191	7.668	- 6,2
5.37	Operai tessili non altrove classificati	151.634	110.218	+ 37,6
5.4	<b>Magliaristi, sarti, cappellai, tappezzeri</b>	<b>610.358</b>	<b>658.515</b>	<b>- 7,3</b>
5.41	Biancheristi e camiciai	95.361	86.478	+ 10,3
5.42	Magliaristi e calzatori	153.046	155.867	- 1,8
5.43	Sarti e confezionatori di pellicce	221.965	295.139	- 24,8
5.44	Cravattai, cappellai, guantai, e assimilati	11.114	13.225	- 16,0
5.45	Ricamatrici, ornatrici, e assimilati	43.450	35.472	+ 22,5
5.46	Bottonieri e assimilati	10.558	8.225	+ 28,4
5.47	Tappezzeri e materassai	42.636	41.508	+ 2,7
5.48	Lavoratori dell'abbigliamento e dell'arredamento non altrove classificati	32.228	22.601	+ 42,6
5.5	<b>Conciatori, calzoi, pellettieri, e assimilati</b>	<b>302.298</b>	<b>255.573</b>	<b>+ 18,3</b>
5.51	Conciatori e tintori di pelli, similpelli e cuoio	30.004	26.404	+ 13,6
5.52	Calzoi	197.371	182.205	+ 8,3
5.53	Borsettai, valigiai, e assimilati	48.657	30.490	+ 59,6
5.54	Addetti alla lavorazione delle pelli, similpelli e del cuoio non altrove classificati	26.266	16.474	+ 59,4
5.6	<b>Segatori, tornitori, falegnami, mobiliari, e assimilati</b>	<b>511.588</b>	<b>549.008</b>	<b>- 6,8</b>
5.61	Segatori e piattatori del legname	14.184	19.247	- 26,3
5.62	Falegnami e mobiliari in legno e formica	326.857	358.662	- 8,9
5.63	Tornitori, intagliatori, incisioni, del legno, e assimilati	10.284	12.023	- 14,5
5.64	Liurai e assimilati	6.555	6.260	+ 4,7
5.65	Bottai, carradori, e assimilati	2.031	3.736	- 45,6
5.66	Carpentieri in legno	93.367	87.474	+ 6,7
5.67	Mobiliari in canna, vimini e giunchi, cestai, canestrai, stuoiai, e assimilati	8.598	10.952	- 21,5
5.68	Verniciatori e lucidatori del legno e paglia	19.654	23.223	- 15,4
5.69	Addetti alla lavorazione del legno e dei materiali legnosi non altrove classificati	30.058	27.431	+ 9,6
5.7	<b>Analizzatori, petrolieri, gommai, profumisti, e assimilati</b>	<b>273.385</b>	<b>257.157</b>	<b>+ 6,3</b>
5.71	Analizzatori, campionatori, dosatori, e assimilati	24.901	17.465	+ 42,6
5.72	Colonisti	3.849	3.326	+ 15,7
5.73	Petrolieri	6.745	6.591	+ 2,3
5.74	Gommai	42.825	52.594	- 18,6
5.75	Plasticisti	50.737	51.571	- 1,6
5.76	Fiammiferai	1.037	1.505	- 31,1

V. CLASSIFI- CAZIONE	PROFESSIONI	$\Delta\%$		
		1 9 8 1	1 9 7 1	7 1 - 8 1
5.77	Pirotecnici e artigiani	2.410	3.661	- 34,2
5.78	Profumisti, saponieri, e assimilati	4.819	5.565	- 13,4
5.79	Sorveglianti di apparecchi chimici e altri addetti alle lavorazioni chimiche non altrove classificati	136.062	114.879	+ 18,4
5.8	Cartai, cartotecnici, tipografi, legatori, fotografi, e assimilati	225.885	218.495	+ 3,4
5.81	Cartai e cartonai	34.587	39.291	- 12,0
5.82	Cartotecnici	36.519	35.648	+ 2,4
5.83	Addetti alla lavorazione e fabbricazione della carta non altrove classificati	3.745	4.397	- 14,8
5.84	Compositori	54.805	55.386	- 1,0
5.85	Impressori	11.222	12.027	- 6,7
5.86	Litografi, zincografi	25.188	18.971	+ 32,8
5.87	Fotografi e fototecnici	42.918	35.092	+ 22,3
5.88	Legatori	14.516	14.591	- 0,5
5.89	Addetti alle lavorazioni poligrafiche e di legatoria non altrove classificati	2.385	3.092	- 22,5
5.9	Verificatori, imballatori, e assimilati	66.061	63.539	+ 4,0
5.91	Verificatori di prodotti	9.091	7.253	+ 25,3
5.92	Imballatori, inscatolatori, imbottiglieri, e assimilati	56.970	56.286	+ 1,2
<b>6</b>	<b>Professioni inerenti alle costruzioni edili e all'installazione ed esercizio impianti elettricit�, gas, acque-</b>	<b>2.097.289</b>	<b>2.320.523</b>	<b>- 9,6</b>
6.1	Capimastri, muratori, decoratori, conduttori di macchine edili, e assimilati	1.439.176	1.760.622	- 18,3
6.11	Capimastri	14.463	10.116	+ 43,0
6.12	Muratori	669.136	694.639	- 3,7
6.13	Armatori cementisti e ferraioli	32.913	35.992	- 8,6
6.14	Stuccatori, decoratori, pittori edili	126.020	145.349	- 13,3
6.15	Pavimentatori edili, stradali, e assimilati	59.092	55.345	+ 6,8
6.16	Armatori di gallerie, di linee ferroviarie, e assimilati	4.605	5.453	- 15,6
6.17	Conduttori di macchine edili e assimilati	38.385	22.500	+ 70,6
6.18	Cantonieri stradali e ferroviari	40.731	51.453	- 20,8
6.19	Manovali edili, sterratori, e assimilati	453.831	739.775	- 38,7
6.2	Elettricisti, elettrotecnici, radiotecnici, e assimilati	491.245	417.029	+ 17,8
6.21	Centralisti e caionisti	28.909	21.290	+ 35,8
6.22	Elettricisti	253.714	231.110	+ 9,8
6.23	Elettrotecnici	133.194	111.462	+ 19,5
6.24	Tecnici della radio, della televisione, del cinema e operatori di proiezione	18.514	25.669	- 27,9
6.25	Installatori impianti di telecomunicazione	49.129	21.273	+130,9
6.26	Addetti alla installazione ed esercizio di impianti elettrici non altrove classificati	7.785	6.195	+ 25,7
6.3	Gasisti, idraulici e termoidraulici	166.868	142.872	+ 16,8
6.31	Posatori di tubi	8.187	9.124	- 10,3
6.32	Gasisti	5.258	5.741	- 8,4
6.33	Idraulici, stagnini e termoidraulici	134.450	120.544	+ 11,5
6.34	Conduttori di impianti termici e assimilati	18.973	7.463	+154,2



N. CLASSIFICAZIONE	PROFESSIONI	$\Delta$ %		
		1981	1971	71 - 81
<b>7</b>	<b>Professioni inerenti al commercio e ai pubblici esercizi</b>	<b>2.474.384</b>	<b>2.183.491</b>	<b>+ 13,3</b>
7.1	Esercenti di negozio e assimilati	1.135.123	1.170.484	- 3,0
7.11	Commercianti e esercenti di negozio	994.224	1.028.662	- 3,3
7.12	Esercenti di edicole e negozi di giornali	11.774	9.987	+ 17,9
7.13	Commercianti ambulanti	129.125	131.835	- 2,1
7.2	Assistenti di vendita, commessi, rappresentanti di commercio, e assimilati	710.917	533.731	+ 33,2
7.21	Assistenti di vendita e assimilati	19.374	4.021	+381,8
7.22	Commessi di vendita e banconieri	381.451	325.514	+ 17,2
7.23	Rappresentanti di commercio, viaggiatori, mediatori, e assimilati	244.059	156.747	+ 55,7
7.24	Rappresentanti e mediatori del credito e assicurazioni, dei trasporti e dei servizi	47.036	24.457	+ 92,3
7.25	Altri lavoratori del commercio non altrove classificati	18.997	22.992	- 17,4
7.3	Esercenti alberghi, caffè, e assimilati	227.190	159.864	+ 42,1
7.31	Esercenti alberghi, ristoranti e assimilati	93.514	68.767	+ 36,0
7.32	Esercenti di bar, caffè, e assimilati	133.676	91.097	+ 46,7
7.4	Portieri, cuochi, camerieri di pubblici esercizi, baristi, e assimilati	401.654	319.412	+ 25,7
7.41	Portieri di alberghi, di pubblici esercizi, e assimilati	9.768	7.326	+ 33,3
7.42	Cuochi di alberghi, di pubblici esercizi, e assimilati	123.937	77.276	+ 60,4
7.43	Camerieri di alberghi e assimilati	45.276	51.555	- 12,2
7.44	Camerieri di ristoranti, caffè, e assimilati	78.708	54.159	+ 45,3
7.45	Banisti e assimilati	81.445	78.467	+ 3,8
7.46	Guardarobieri, fattorini, inservienti di pubblici esercizi, e assimilati	52.520	50.629	+ 23,5
<b>8</b>	<b>Professioni inerenti ai trasporti</b>	<b>915.058</b>	<b>862.008</b>	<b>+ 10,8</b>
8.1	Macchinisti ferroviari, conducenti di tramvie, autisti, e assimilati	703.950	641.635	+ 9,7
8.11	Macchinisti ferroviari e assimilati	45.706	33.726	+ 35,5
8.12	Conducenti di tramvie e simili	7.171	10.927	- 34,4
8.13	Deviatori, manovratori, frenatori, ferroviari e tramvieri	55.321	60.778	- 9,0
8.14	Autisti	557.567	499.491	+ 11,6
8.15	Gruidi, carroponisti, e assimilati	34.002	27.826	+ 22,3
8.16	Conducenti di veicoli a trazione animale e assimilati	1.039	3.851	- 73,0
8.17	Addetti ai trasporti terrestri non altrove classificati	3.124	5.036	- 38,0
8.2	Ufficiali di coperta, motoristi e fuochisti navali, conducenti di imbarcazioni, e assimilati	57.137	57.375	- 0,4
8.21	Ufficiali di coperta, di macchine e piloti di porto	14.137	10.701	+ 32,1
8.22	Macchinisti, motonisti e fuochisti navali	8.069	10.213	- 21,0
8.23	Addetti alla conduzione di imbarcazioni a motore, a remi, a vela	2.026	2.441	- 17,0
8.24	Martini di coperta e assimilati	32.905	34.020	- 3,3
8.3	Piloti, motonisti di bordo, motoristi a terra, addetti ai trasporti aerei non altrove classificati	10.228	4.867	+110,1
8.31	Piloti di aeromobili, motoristi di bordo, e assimilati	4.408	2.822	+ 56,2

N CLASSIFI- CAZIONE	PROFESSIONI	$\Delta$ %		
		1 9 8 1	1 9 7 1	7 1 - 8 1
8.32	Motoni di aviazione a terra	1.111	870	+ 27,7
8.33	Addetti ai trasporti aerei non altrove classificati	4.709	1.175	+300,8
8.4	Noleggiatori di mezzi di trasporto, spedizionieri e altri lavoratori delle attività ausiliarie dei trasporti non altrove classificati	6.768	12.971	- 47,8
8.41	Noleggiatori di mezzi di trasporto	3.535	5.497	- 35,7
3.42	Spedizionieri e doganieri	2.424	6.956	- 65,2
8.43	Palomani e assimilati	809	518	+ 56,2
8.5	Faccchini e altri lavoratori dei trasporti non altrove classificati	136.975	145.160	- 5,6
8.51	Faccchini, caricatori e scaricatori	103.767	125.120	- 17,1
8.52	Lavoratori dei trasporti non altrove classificati	33.208	20.040	+ 65,7
9	<b>Professioni inerenti ai servizi</b>	<b>1.272.932</b>	<b>1.045.119</b>	<b>+ 21,8</b>
9.1	Esercenti e gestori di cinema, teatri e simili e di agenzie per la fornitura di servizi	10.568	9.039	+ 16,9
9.11	Esercenti e gestori di cinema, teatri e simili	6.868	5.309	+ 29,4
9.12	Esercenti e gestori di agenzie per la fornitura di servizi	3.698	3.730	- 0,9
9.2	<b>Assistenti sociali, interpreti, traduttori, grafologi</b>	<b>33.403</b>	<b>14.637</b>	<b>+128,2</b>
9.21	Assistenti sociali	21.314	9.773	+118,1
9.22	Interpreti e traduttori	10.112	4.418	+128,9
9.23	Grafologi e assimilati	1.977	446	+343,3
9.3	<b>Indossatori, assistenti di volo, guide turistiche, e assimilati</b>	<b>7.179</b>	<b>3.732</b>	<b>+ 92,4</b>
9.31	Indossatori	1.362	728	+ 87,1
9.32	Fotomodelle e modelle artistiche	897	255	+251,8
9.33	Assistenti di volo e guide turistiche	4.920	2.749	+ 79,0
9.4	<b>Barbieri, parrucchieri, smacchiatori, e assimilati</b>	<b>242.292</b>	<b>228.700</b>	<b>+ 5,9</b>
9.41	Barbieri, parrucchieri, manicure, e assimilati	192.682	188.576	+ 2,2
9.42	Smacchiatori, tintori, e assimilati	49.610	40.124	+ 23,6
9.5	<b>Spazzini, pulitori, e assimilati</b>	<b>117.174</b>	<b>81.977</b>	<b>+ 43,6</b>
9.51	Spazzini, disinfestatori, e assimilati	108.760	74.566	+ 45,9
9.52	Pulitori, lavaggiatori di veicoli, e assimilati	8.414	7.411	+ 13,5
9.8	<b>Domestici, portieri, bidelli, guardiani, e assimilati</b>	<b>841.752</b>	<b>694.827</b>	<b>+ 21,1</b>
9.61	Domestici	182.881	219.690	- 16,8
9.62	Portieri di abitazione	52.498	62.248	- 15,7
9.63	Commessi, uscieri, bidelli, inservienti di uffici pubblici e privati	508.517	333.841	+ 52,3
9.64	Segretari	1.796	3.597	- 50,1
9.65	Guardiani, custodi di aziende, guardie campestri, e assimilati	96.060	75.451	+ 27,3
9.7	<b>Addetti ai servizi non altrove classificati</b>	<b>14.702</b>	<b>10.117</b>	<b>+ 45,3</b>
9.71	Addetti ai servizi non altrove classificati	14.702	10.117	+ 45,3
9.9	<b>Professioni non altrove classificabili</b>	<b>5.864</b>	<b>2.090</b>	<b>+180,6</b>
9.91	Professioni non altrove classificabili	5.864	2.090	+180,6
	<b>TOTALE</b>	<b>20.246.337</b>	<b>18.832.490</b>	<b>+ 7,5</b>

Source: ISTAT, Census of Population

./.

**BIBLIOGRAPHY**

NEW TECHNOLOGIES AND EMPLOYMENT

AAVV, "Il tempo e il lavoro verso il futuro", Mondo Economico, 6.5.1985

Summary of the reports at a conference organized by Regione Lombardia about technological innovation and employment

technological change; employment; hours of work.

AAVV, "Nuove tecnologie, organizzazione del lavoro e professionalità emergenti", Economia, istruzione e formazione professionale, n. 19, (1982)

Monographic issue about the Conference on "New technologies, work organization and emerging skills".

In particular:

- G. Degli Antoni, "Information technologies in office automation"
- P. Ercoli, "New technologies, education, work organization"
- Description of 4 cases: Fiat, Gruppo Finanziario Tessile, Public Administration and Banco di Roma

technological change; work organization; information technology; educational needs; emerging occupations.

AAVV, Organizzare l'innovazione, Franco Angeli, (1985)

Summary of the reports and debate at a Conference about "Organization of innovation in Turin area"

local labour market; technological change; work organization; service industry; public sector.

AAVV, "Tecnologia e occupati. La sfida USA-Europa", Mondo Economico, 29.4.1985

Interventions of Mr. Gianni De Michelis, Italy's Labour Minister, and Mr. Malcom Baldrige, U.S. Trade Minister, at the Conference "Technology and employment"

technological change; employment.

AAVV, "Tecnologia e occupazione", Industria e Sindacato, n.4-5, (1982)

Summary of the reports and debate at the meeting organized by FAST and CNEL about "Technology and employment"

Presentation of a research-work performed by FAST with ASAP, Assolombarda, Confindustria, FORMEZ, IASM, INTERSIND, Regione Lombardia, about "Employment transformations brought about by technological development"

technological change; employment.

AAVV, Industria e Sindacato, n.42, (1982)

Monographic issue about a Conference organized by Ministry of Labour about employment perspectives in Italy in the 80's.

- M. Di Giesi, "Employment in Italy in the 80's"

- A. Paci, "Trends of employment in manufacturing and international market"

- P. Annibaldi, "Technological innovation, industrial reconversion: effects on employment"

technological change; manufacturing; employment; trend; international market.

M. Amendola, "Occupazione e sviluppi della tecnologia", Politica ed Economia, n.1, (1981)

employment; technological change.

A. Aparo, "Innovazione tecnologica e nuove professioni negli anni '90", Economia e Lavoro, n. 2, (1985)

Summary of a reserch-study conducted by ENEA (Ente Nazionale Energie Alternative) about emerging occupations derived from the massive introduction of information technology in every economic sector and from the changing needs in a post-industrial society

technological change; emerging occupations; job content; information technology; forecast.

ARPES, "Nuove tecnologie, relazioni sindacali e strategie di consenso", Industria e Sindacato, n.29-30 (1983)

Synthesis of a research-work performed by ISFOL and ARPES "The system of constraints for the fulfillment of new technology agreements in manufacturing in presence of automation processes".

Starting from the analysis of six cases of firms where automation technologies were introduced, the system of industrial relations in this type of firms is analyzed

automation; labour contracts; manufacturing; industrial relations.

E. Bartezzaghi, G. Della Rocca, Impresa, gruppi professionali e sindacato nella progettazione delle tecnologie informatiche, Roma, Fondazione Olivetti, (1983)

Survey of the tendencies of the actions of trade unions in Europe as regards information technologies. Suggestion of an interpretation of different patterns of negotiating technological transformation

information technology; industrial relations; trade union attitude; management attitude; occupational organization.

F. Butera, "L'automazione industriale e il futuro del lavoro operaio", Studi Organizzativi, n. 2, (1982)

Considerations about impact of automation on the labour of the blue collars and suggestions about labour organization in presence of a changing working environment

automation; technological change; blue-collar; workers; work organization.

F. Butera, P. Montobbio, "Office automation: come progettare armonicamente tecnologia, organizzazione e formazione professionale", Studi Organizzativi, n.3-4 (1982)

Analysis of the relationships between office automation, organization and professional training.

- New office technology and its impact on organization;
- possible interventions for the development of training in comparison with the processes of technological and organizational innovation

automation; computerization; work organization; training needs; vocational training.

G. Capo, "Innovazione tecnologica, innovazione organizzativa e relazioni industriali", Industria e Sindacato, n.42, (1985)

Changes in industrial relations because of introduction of new technologies

technological change; innovation; work organization; industrial relations.

M. Carcano, G. Di Francesco, G. Provasi, P. Taronna, "Automazione d'ufficio: tecnologia; organizzazione, professionalità e formazione. Studio di casi nell'area parmense", Quaderni di formazione ISFOL, n.4 (1985)

The survey has been performed by analyzing 11 business cases.

- Individuation of technological patterns existing in the area and of trends in office automation;
- analysis of organization philosophies linked to technological innovation;
- examination of the particular skills existing in actual office tasks and interpretation of the more significative factors that are influencing jobs and evolution of the training systems

automation; work organization; job requirements; vocational training; task analysis.

F. Chiaromonte, "Robotizzazione e qualità della vita di lavoro: studio di un caso nell'industria italiana", Economia e Lavoro, n. 4 (1983)

Analysis of roboting development and its effects on italian manufacturing. The paper reports data about robot industry, its main occupational areas and robot market; it also makes forecasts and discusses the results of a case study, as particularly regards the influences on labour market

automation; industrial robot; manufacturing; quality of working life.

C. Ciborra, F. Lanzara, (a cura di), Progettazione delle nuove tecnologie e qualità del lavoro. Teoria e pratica del cambiamento organizzativo nelle fabbriche e negli uffici, ISFOL, 1985

Survey coordinated by ISFOL and performed in 1981-1982 by an international research group, within a program of surveys about the quality of work and about relationships between projectual choices and impact of new technologies

automation; quality of working life; work organization.

C. Ciborra, P. Maggiolini, "Implicazioni sociali ed economiche dell'informatica", Quaderni di Rassegna Sindacale, n.82, (1980)

Analysis of the effects brought about by the introduction of information technologies in the firm. Brief outlook on the situation in some foreign countries (USA, Great Britain)

information technology; automation; economic implications; social implications.

A. Enrietti, "Tecnologia contro occupazione: ma nell'auto no", Politica ed Economia, n.6, (1985)

Analysis of the effects on employment due to the introduction of flexible automation in the production process. The case of FIAT and of a sample of component producers

automation; employment; industrial process; automobile industry; flexible manufacturing system.

E. Ferrari, "Lo sviluppo dell'automazione nell'industria automobilistica", Industria e Sindacato, n.29-30, (1983)

- Technological development in auto industry;
- analysis of automation in some particular processing (pressing, assembling, painting, etc.);
- perspectives of the development in the following five years, with particular emphasis on employment problems

automation; employment; technological change; automobile industry; industrial process.

Fondazione Agnelli, I nuovi sistemi produttivi: tecnologie, organizzazione e lavoro, Torino, (1986)

Research-work on the changing content of traditional jobs and the development of new occupations in manufacturing with particular regard to productive processes in automobile industry

automation; flexible manufacturing system; emerging and ossolescent occupations; automobile industry.



G. Franco, "Progresso tecnologico e occupazione (Brevi notazioni empiriche e di teoria economica)", Rassegna Economica, n.3, (1984)

Theoretical analysis of the effects of technological progress on employment

technological change; employment; information technology; economic theory.

C. Freeman, L. Soete, "Innovation Diffusion and Employment Policies", Conference on the Diffusion of Innovation, Venice, (1986)

technological change; employment policy. information technology.

L. Frey, "Nuove tecnologie e occupazione terziaria", Economia del Lavoro, n. 3-4 (1984)

Study on the impact of new information technologies on employment, with particular regard to employment in the service sector (advanced services, services to the firms above all)

service industry; information technology; job content; occupation.

L. Frey, "Verso l'"esplicitazione" del lavoro "sommerso" nell'attuale contesto di innovazione tecnologica e organizzativa", Economia del Lavoro, n. 1, (1986)

Analysis of the possible ways of quantifying hidden economy and moonlighting with particular regards to the growing weight assumed by the "new home work" linked to information technologies

hidden economy; telework; part time; work at home; multiple job holding.

L. Frey, T. Tagliaferri, "Nuove tecnologie e lavoro bancario", Quaderni di Economia del Lavoro, n.16 (1983)

Analysis of the effects brought about by new technologies on the work in banks

automation; information technology; banking.

J.I.Gershuny, "Servizi e occupazione nella trasformazione post-industriale", in IRER-Progetto Milano, Tecnologia, professioni e città, II Conferenza Internazionale, Milano, F. Angeli, (1985)

This paper describes two different types of change in economic structure which might jointly be considered to constitute a "post-industrial transformation":

- a partial reversal of the occupational division of labour;
- a change in household consumption patterns reflecting the development of the new information technology

technological change; information technology; post-industrial; division of labour; consumer expenditure.

M. Giannini, "Robotica e problemi sociali nel mercato e nell'organizzazione del lavoro", Industria e Sindacato, n. 10, (1985)

Analysis of the pessimistic and optimistic perspectives about labour market and organization

automation; industrial robot; labour market; work organization; social implications.

D. Gilli, "Lavoro e nuovi processi produttivi: tendenze della discussione recente", Osservatorio sul mercato del lavoro e delle professioni, n.2 (1983)

Analysis of the recent studies about labour market, its reform and policies for technological innovation

automation; technological change; labour market; employment policy.

D.L Hiestand, "Modelli di evoluzione dell'occupazione nelle tre principali aree metropolitane degli Stati Uniti", in IRER-Progetto Milano, Tecnologia, professioni e città, II Conferenza Internazionale, Milano, F. Angeli, (1986)

The analysis compares the occupational patterns of the three most important metropolitan areas in the USA (New York, Chicago and Los Angeles)

employment; U.S.A.; urban area.

IRER, I servizi per lo sviluppo delle imprese. Il caso dell'area metropolitana milanese

Sample survey of medium and small sized enterprises in metropolitan area of Milan. Emphasis on entrepreneurial and organization characteristics that make the conditions for using the services of advanced service industry and for providing the staff with specific skills

urban area; advanced services industry; small scale industry; work organization; local labour market.

ISFOL, Rapporto ISFOL 1985. Formazione, nuove tecnologie, professionalità, Milano, F. Angeli, (1986)

The 1985 ISFOL Report regards in particular the problems of employment and labour markets related to the introduction of information technologies. Particular attention is given to training and educational needs

technological change; occupations; employment policy; vocational training; automation.

ISFOL, "Relazioni industriali nell'impresa degli anni '80. Analisi di alcuni casi aziendali sull'interazione tra cambiamento economico, tecnologico, organizzativo e sistemi di relazioni industriali", Quaderni di Formazione ISFOL, n. 3, (1985)

Study of 8 business cases: Fiat, Telettra, Barilla, Tecnimont, Snam Progetti, Dalmine, PEG, Banca Popolare di Milano.

- Definition of technological and market scenarios that allowed actual changes;
- effects on business organization, impact on labour market in quantitative and qualitative terms, training experiences;
- the systems of industrial relations

technological change; industrial relations; work organization; employment; training.

A. Lindbeck, "Technological unemployment is not the problem", Occupazione e tecnologie avanzate, Bologna, Il Mulino, (1986)

unemployment; technological change.

G. Manca, "L'impatto delle nuove tecnologie sul mercato del lavoro", Industria e Sindacato, n.23, (1985)

Considerations and suggestions about the process of introduction of new technologies, considered lawful and easy to control

information technology; technological change; automation; labour market.

G. Mazzocchi, "I problemi del lavoro in una metropoli che cambia", in IRER-Progetto Milano, Tecnologia, professioni e città, II Conferenza Internazionale, Milano, F. Angeli, 1985

Analysis of the influence of technological progress on employment and unemployment levels, on the employment structure and on the creation of new professions, analysis of the processes of creating jobs

technological change; labour market; urban area; job creation; emerging occupations.

F. Momigliano, "Verso la società computerizzata", Politica ed Economia, n. 3 (1982)

Notes about economic, social and politic effects of microelectronics technologies

economic theory; computerization; information technology; economic implication; social implication.

O. L. Pastré, "Nuove tecnologie e trasformazione del lavoro in Francia", in IRER-Progetto Milano, Tecnologia, professioni e città, Milano, F. Angeli, (1985)

Impact of microelectronics development on employment in France and importance of professional training for the future

technological change; information technology; employment; vocational training.

L. Pennacchi, "Informatica, tecnologie e organizzazione del lavoro", Politica ed Economia, n. 1 (1983)

information technology; work organization.

PROTER, Occupazione e tecnologie avanzate, Bologna, Il Mulino, (1986)

Summary of the report at a meeting about employment and information technologies

unemployment; information technologies; microelectronics.

A. Sorge, G. Hartmann, M. Warner, I. Nicholas, "Organizzazione del lavoro e struttura delle qualifiche nei processi lavorativi computerizzati", Studi Organizzativi, n. 2 (1985)

Analysis of the relationship between the growing use of information technology and work organization

work organization; information technology; computerization; occupational qualification.

R. Teani, "Livelli di automazione e professionalità nel lavoro", Studi Organizzativi, n. 1, (1982)

Analysis of the influence of technological progress on changes in some basic elements of labour division in factories

technological change; automation; manufacturing; work organization; skill.

R.A. Wilson, "I cambiamenti della struttura occupazionale in Gran Bretagna", in IRER-Progetto Milano, Tecnologia, professioni e città, II Conferenza internazionale, Milano, F. Angeli, (1985)

Description of the macroeconomic model used by Institute of Employment Research to explain and forecast changes in the structure of employment in the U.K.

economic theory; occupational structure; occupations; productivity; United Kingdom.

PART-TIME WORK

AAVV, "Il tempo di lavoro in una società flessibile", Industria e Sindacato, n. 9, (1983)

Synthesis of the survey performed by Fondazione Agnelli: "Answers to the future: a flexible society".

The survey considered mainly two sides of working world:

- working time: analysis of part-time work also through the results of a study of some business cases;
- the lay off

part time; hours of work; lay off.

M. Abatantuono, "Il part-time: problemi recenti della domanda e dell'offerta di lavoro", Quaderni di Rassegna Sindacale, n. 86-87, (1980)

labour demand; labour supply; part time.

Associazione Industriale Lombarda, Centro Studi, La domanda di lavoro part-time nelle imprese dell'area milanese, Milano, (1982)

The survey aimed to examine closely part-time work and to verify the possibility of its development in manufacturing. The analysis has been achieved from a sample survey performed among the firms with more than 11 employment registered at Assolombarda

part time; local labour market; manufacturing; occupations.

A. Bauterle, "Note sui riflessi del lavoro part-time nelle organizzazioni industriali", Economia e Lavoro, n. 3, (1981)

Analysis of the peculiarities of jobs that have attracted more part-time workers. Hypothesis about the standard of firms that in future could be interested by the development of part-time work in manufacturing

part-time; manufacturing; qualification requirements; job content; occupations.

G. Costa, "Part-time, economia d'impresa e politiche dell'occupazione", Economia e Politica industriale, n. 45, (1985)

Study on part-time work and its possible consequences on employment growth.

- demand of part-time work (p.t. and technology, p.t. and work organization, p.t. and productivity)
- supply of part-time work
- part-time work and the socio-economic system
- part-time in the public sector

information technology; part-time; work organization; public sector.

M.R. Cutrufelli, "Part-time: la realtà non ha sempre ragione", Politica ed Economia, n. 4, (1983)

The introduction of part-time work is criticized, particularly as regard female work

part-time; woman worker.

D. Del Boca, "Salari e offerta di lavoro full-time e part-time", MICROS, (1985)

wage; labour supply; full-time; part-time; hours of work.

Fondazione Agnelli, L'istituto del part-time in Italia e all'estero, (1982)

labour legislation; international comparisons; part-time; hours of work.

Federlegno-Arredo, Ufficio Sindacale, "Il part-time e il collocamento obbligatorio", Quaderni di documentazione, n. 4, (1983)

Practical guide to laws and notes about part-time work and compulsory employment

part-time; labour legislation.

M. Gasbarrone (CESPE), "Quant'è diffuso il part-time", Politica ed Economia, n. 5 (1982)

- Quantitative diffusion of unregulated part-time work;
- differences between Italy and other european countries;
- contradiction between entrepreneurial ideology supporting part-time work and daily resistance of firms at its application;
- effects of several industrial agreements about part-time work

part-time; international comparisons; management attitude; labour contract; moonlighting.

C. Marchese, G. Ortona, "La domanda di lavoro a tempo ridotto", MICROS, n. 2-3, (1984)

Survey on the different patterns of reduced hours of work: part-time (part-day, part-week, part-month, part-year), compressed work week, job sharing, flex time.

Indications for research-works in this field

reduced hours of work; part-time; job sharing; flexible hours of work.

A. Martelli, "Gli atteggiamenti dei direttori del personale delle imprese industriali italiane sul lavoro a tempo parziale", ENI-Quaderni Personale, n. 1, (1980)

part-time; manufacturing; personnel management attitude.

E. Piccinelli, "Il rapporto di lavoro a tempo parziale", Industria e Sindacato, n. 41, (1984)

Analysis of the different attitudes and parliamentary bills about part-time work

part-time; labour legislation; management attitude; trade union attitude; government attitude.

L. Ricolfi, "Part-time e economia sommersa", MICROS, 2-3, (1984)

Survey on part-time work, with particular emphasis at its diffusion in Piedmont and among young people and its relations with moonlighting and hidden economy

part-time; youth employment; moonlighting; local labour market; hidden economy.



N. Rocchi, "La contrattazione sul part-time", Quaderni di Rassegna Sindacale, n. 86-87, (1980)

Main business agreements on part-time work

part-time; labour contract; labour legislation.

C. Vaciago, "Intorno al part-time cambiano le regole del gioco", Politica ed Economia, n. 4, (1983)

Analysis of feasibility problems of part-time work

part-time; hours of work.

WOMEN'S WORK

AAVV, "La presenza femminile nel vecchio e nuovo terziario", Politica ed Economia, n. 9, (1982)

M. Bianchi, M. Cacioppo, L. Zanuso, "Women and new services"

P. Manacorda, "The impact of new technologies"

G. Paolucci, "Work organization in the banks"

woman worker; service industry; information technology; banking; work organization.

L. Battistoni, M.T. Palleschi, "Part-time e offerta di lavoro femminile", Osservatorio sul mercato del lavoro e delle professioni, ISFOL, n. 6, (1984)

Sample survey of women's work

woman worker; part-time; female labour supply.

L. Battistoni, M.T. Palleschi, "Il lavoro delle donne in una società informatizzata", Osservatorio sul mercato del lavoro e delle professioni, ISFOL, n. 4, (1983)

- New technologies and women's work

- Vocational training and female labour market

woman worker; computerization; vocational training.

L. Battistoni, M.T. Palleschi, "Il part-time: da strumento di controllo e di stabilità sociale e strumento di politica attiva dell'occupazione femminile", Osservatorio sul mercato del lavoro e delle professioni, ISFOL, n. 4, (1983)

Part-time work considered as an instrument of control and of social steadiness (old attitude); part-time work considered as an instrument of active policy of women's employment (recent attitude)

woman worker; employment policy; part-time.

U. Colombino, "A model of married women labour supply with systematic and random disequilibrium components", Ricerche Economiche, (1985)

woman worker; female labour supply.

U. Colombino, A. Zabalza, Labour supply and quantity constraints: results on female participation and hours in Italy, Discussion Paper n. 125, Centre for Labor Economics, London School of Economics, (1982)

female work; female labour supply; labour contracts.

LOCAL LABOUR MARKETS

Associazione Industriali Provincia di Mantova, V° Rapporto sul mercato del lavoro provinciale, Mantova, (1983)

Analysis of the requirements of manpower, of the winning and losing jobs, of the structure of employment in Mantova's manufacturing

local labour market; manufacturing; emerging and obsolescent occupations.

Associazione Industriali Provincia di Padova, Le forze di lavoro in provincia di Padova, Padova, (1983)

Comparison 1982-1983

local labour market.

Associazione Industriali Provincia di Varese, L'industria manifatturiera nella provincia di Varese. Strutture, problemi, prospettive, Varese (1983)

Starting from a comparison between the two last Censuses (1971 and 1981) the survey shows the structure of the Varese economy, with particular regard to employment problems and provincial labour market

local labour market; manufacturing.

Associazione Industriali Provincia di Varese, Ufficio Studi, Osservazioni qualitative del mercato del lavoro regionale e provinciale, Varese, (1984)

Actual and future structure of labour market in Varese, mainly considering the effects brought by the phenomenon of technological innovation

local labour market; technological change.

Associazione Provinciale Dirigenti Aziende Industriali di Torino, Come creare nuove occasioni di lavoro in Italia e in Piemonte, Torino (1985)

Analysis of the possibility of job creation in Piedmont and in Italy

local labour market; employment creation; employment policies.

C. Dell'Aringa, "Il futuro occupazionale dell'area metropolitana milanese", in IRER-Progetto Milano, Tecnologia, professioni e città, II Conferenza Internazionale, Milano, F. Angeli, (1985)

The study analyzes:

1. The two fundamental factors that are peculiar to the development of Milan metropolitan area:
  - decrease in job and population
  - growth in the service-producing sector in the employment structure ("terziarizzazione").
2. The perspectives of Milan future development in terms of population, employment and unemployment, and in terms of technical progress and growth of service industry .

local labour market; urban area; service industry; technological change; forecast.

Federazione dell'Industria Emiliano Romagnola, Associazioni e Unioni Industriali dell'Emilia Romagna, Intersind Emilia Romagna, ASAP Emilia Romagna, Indagine sull'andamento occupazionale nell'industria in Emilia Romagna. 1984-1985, Bologna, (1986)

Results of a survey performed among 1600 manufacturing firms about employment trends

local labour market; manufacturing; labour demand; trends; occupations.

Federazione degli Industriali del Lazio, Censis, Fabbisogni di personale nell'industria manifatturiera e sistema formativo nel Lazio, Roma, (1983)

Survey on labour market from the demand point of view, with particular regards to the jobs for which there is a shortage

local labour market; skilled worker; labour shortage; labour demand; educational system.

Federazione Regionale fra le Associazioni Industriali della Lombardia, Intersind Delegazione per la Lombardia, L'occupazione nell'industria lombarda. Situazione, caratteristiche, previsioni. Rapporto annuale 1986, Milano, (1986)

Results of a survey performed annually among nearly 3400 manufacturing firms of Lombardy. The survey supplies quantitative informations about employment in Lombard manufacturing (by economic sector, by dimensions of firms, by areas) and makes forecasts about its development

local labour market; manufacturing; occupations; forecast.

Federpiemonte, Gruppo Giovani, La domanda e l'offerta di terziario avanzato in provincia di Torino, Torino, (1984)

Analysis of actual and potential status of use of advanced services in Turin area

local labour market; service industry; advanced services.

Federpiemonte, Ufficio Formazione Professionale, Indagine sul terziario avanzato in Piemonte, Torino, (1984)

Through a sample of firms, the survey analyzes the development of advanced services internal and external to the firm

local labour market; service industry; advanced services.

Federvernetto, Ufficio Economico, Le forze di lavoro nel periodo 1977-1983, (1984)

Analysis of the trend of labour market in Veneto and its "province"

local labour market; trends.

Unione Industriale Biellese, Centro Studi, Indagine sulle figure professionali e sulle esigenze di formazione nell'industria biellese, Biella, (1984)

local labour market; manufacturing; occupations; qualification requirements; educational needs.

Unione Industriale Biellese, Rilevazione mensile delle domande e offerte di lavoro apparse sui due bisettimanali locali

Monthly survey of labour demands and supplies shown in the two local papers. Analysis of the structure and dynamics of labour demand and supply by economic activity sector and by occupation, as regards, in particular, part-time and independent work

local labour market; occupations; part-time; self-employed.

Unione Industriale di Torino, Ufficio Studi Economici, Forze di lavoro in provincia di Torino e Piemonte, Torino, (1983)

The study assembles data about the evolution of labour forces in Piemonte shown in ISTAT Labour Force Survey

local labour market.

Unione Industriale di Torino, Il mercato del lavoro in provincia di Torino, Torino, (1981)

local labour market

Unione Industriale di Torino, Offerta e domanda di lavoro in provincia di Torino: prospettive per il 1987 e il 1990, Torino, (1985)

Analysis of the future trends of labour market in Turin's province

local labour market; trends; forecast.

Unione Industriali Provincia di Bergamo, Ufficio Studi, La domanda di terziario avanzato, Bergamo, (1982)

Analysis of service industry in Bergamo district and its influence on employment and on manufacturing

local labour market; service industry; advanced services.

EMERGING AND DECLINING JOBS

AAVV, "Per chi suona il flauto della nuova occupazione", Il Sole 24 Ore, n. 169, (1986)

Declining of manufacturing occupations, growth of service industry. Case studies of firms creating new jobs: Olivetti, IBM, Italsiel

youth employment; unemployment; information technology; job creation; emerging occupations.

AAVV, "Come cambia il lavoro da oggi al 2000", I dossier della Lettera, Lettera Finanziaria, n. 44, (1985)

Analysis of trend in labour market in Italy and in other western countries and employment forecasts for the 2000

labour market; trends; emerging and obsolescent occupations; forecasts.

N. Cacace, Professioni e mestieri del 2000, Milano, F. Angeli, (1983)

Problems of youth employment and qualitative forecasts on winning and losing occupations

youth employment and unemployment; emerging and obsolescent occupations; forecast; work organization; service industry.

ENEA, "Guida alle professioni del futuro", Europeo, n. 27, (1984)

Illustration of the "new occupations" which will have the greatest growth in the next twenty years according to ENEA's forecasts

emerging occupations; forecasts; job creation; new areas of employment.

M. Gatti, G. Tagliaferro, "Servizi innovativi e professionalità (Indagine sui sistemi professionali e i fabbisogni formativi del terziario avanzato nell'area produttiva barese)", Quaderni di Formazione ISFOL, n. 1, (1985)

Study of 8 business cases in the Bari "provincia".

The study aimed to:

- verify the attitude of local firms to organize jobs that could guarantee productive efficiency and the development of the firms;
- determine and describe the most significative (traditional or new) jobs

service industry; local labour market; skill; occupational qualification; occupations.



E. Invernizzi, Terziario avanzato e nuove professioni. Il caso delle Pubbliche Relazioni

Analysis of advanced services jobs with particular regard to Public Relations ones and to those which provide services to firms

service industry; occupational qualification; occupations; business services; public relations.

ISFOL, "Richiesta di lavoro negli annunci economici dei quotidiani", Osservatorio sul mercato del lavoro e delle professioni, 1981-1982

Synthesis of the survey performed by ISFOL, Unioncamere, Centro per la Statistica Aziendale, about job requests from private industry

labour demand; skilled worker; occupations; private sector.

ISFOL, "Analisi delle professionalità in agricoltura", Osservatorio sul mercato del lavoro e delle professioni, n. 3, (1985)

Description of the consolidated or emerging jobs in those agricultural contexts characterized by technological innovations, and need of educational training. Field survey of 15 business cases

agriculture; agricultural technology; vocational training; occupation; qualification requirements.

ISFOL, Unioncamere, "Il mercato del lavoro qualificato in Italia", Osservatorio sul mercato del lavoro e delle professioni, n. 5-6, (1982)

Synthesis of the results of the study made by ISFOL and Unioncamere about labour demand. The demand from private industry is analyzed starting from labour requests on newspapers, while the demand from Public Administration is examined from the analysis of public contests

labour demand; private sector; public sector; skilled worker; occupations.

R. Jannaccone Pazzi, "Evoluzione della professionalità terziaria e mercato del lavoro", Economia e Lavoro, n. 2, (1983)

Analysis of changes in service industry, particularly in the field of "services to firms", and their effects on the labour market

labour market; service industry; business services; occupation; skilled worker.

R.E. Kutscher, "Tendenze e prospettive dei posti di lavoro e delle professioni negli Stati Uniti", in IRER-Progetto Milano, Tecnologia, professioni e città, II Conferenza Internazionale, Milano, F. Angeli, (1985)

The subject of this paper is the changes in the industrial and occupational employment structure of the United States, with particular emphasis on winning and losing jobs, and the factors, including technological, that have had an important influence on changes in this structure

U.S.A.; occupational structure; emerging and obsolescent occupations; technological change.

M. Merlini, Nuove professioni: il futuro nel presente, Edizioni Lavoro, (1986)

Analysis of the more recent studies (italian and foreign, quantitative and qualitative) about the changes of occupations and of job contents

emerging and obsolescent occupations; job content; information technology; forecasts.

M. Merlini, "2001: odissea dei nuovi mestieri manuali", Politica ed Economia, n. 11, (1984)

Analysis of foreign, in particular American, studies about new manual jobs. Hypothesis about the development of these jobs in Italy, particularly as regards work in factories

manual work; job content; international comparisons; manufacturing; blue collar worker.

R. Monducci, M. Scarfone, "Le nuove professioni in Italia", Fondazione Brondolini, Roma, (1985)

Survey on the impact of technological progress and new production frameworks on professions and labours, founded on a comparison between the two last Population Censuses (1971-1981)

statistical analysis; emerging and obsolescent occupations; technological change; population census.

C. Vandone, "Le trasformazioni delle categorie professionali nel mercato del lavoro", Industria e Sindacato, n. 37, (1984)

Analysis of the main factors that characterize labour market.

Elaboration of ISTAT data and comparison 1971-1981 among the different jobs

labour market; occupation; job content; population census.

YOUTH EMPLOYMENT AND TRAINING PROBLEMS

AAVV, "Apprendistato e contratti di formazione-lavoro", Economia, istruzione e formazione professionale, n. 15, (1981)

Debate about the changing from apprenticeship to new patterns of work contracts ("contratti di formazione-lavoro")

youth employment; apprenticeship; vocational training; training policy; labour contract.

AAVV, "Occupazione giovanile: effetti quantitativi della normativa recente", Rassegna di Statistiche del Lavoro, n. 1-2, (1985)

Analysis of the effects brought about employment by the law n.79 25/3/1983 that allows to stipulate "contratti di formazione-lavoro" and by the law n.863/84 on the job-training work contracts

youth employment; labour legislation; vocational training; labour contract.

A. Attanasio, "Mutamenti tecnologico-organizzativi, sistemi professionali e di formazione", Osservatorio sul mercato del lavoro e delle professioni, ISFOL, n. 3, (1983)

Synthesis of a research-work performed by ISFOL and RSO about the evolution of the professional system and the emerging of new educational requirements in manufacturing firms involved in processes of transformation of work and of productive organization.

Study of six business cases

technological change; work organization; vocational training; training needs; innovation.

S. Bruno, U. Lindeer, Youth employment policies in four european countries: a comparative evaluation study, Dipartimento di Scienze Economiche, Università di Roma La Sapienza

The scope of the study is to survey and evaluate the youth employment policies adopted in the Federal Republic of Germany, France, Italy and United Kingdom, providing an overall comparative appraisal of such policies

youth employment; employment policies; international comparisons; youth unemployment.

Censcoop, Fondazione Agnelli, Cooperazione: rapporto sul cooperativismo giovanile, (1985)

Analysis of the experiences of the cooperative-societies of young workers  
youth employment; cooperatives of young people.

U. Colombino, D. Gambetta, F. Rondi, L'offerta di lavoro giovanile in Piemonte, Milano, F. Angeli, (1982)

youth employment; youth labour supply; local labour market.

L. Frey, Giovani e occupazione terziaria in Italia, Milano, F. Angeli

Sample surveys performed in some Italian areas. New suggestions about motivations and attitudes of young people as regards employment in services, in trade, in Public Administration.  
Suggestions for a more organic policy of employment in Italy (i.e. development of training and employment schemes, etc.)

youth employment; employment policy; vocational training; service industry.

ISFOL, "Contratti di formazione-lavoro", Quaderni di formazione ISFOL, n. 5-6, (1985)

Survey of the development in 1984 of the contracts for training and employment (short term training contracts).

The characteristics of the young workers hired through these contracts and the kinds of occupations mostly required are examined in a sample survey made among a hundred firm

youth employment; employment policies; vocational training; new labour contracts; labour legislation.

A.I. Pagano, "Nuove professioni e fabbisogni formativi", in IRER-Progetto Milano, Tecnologia, professioni e città, II Conferenza Internazionale, Milano, F. Angeli, (1985)

Suggestions about training and educational requirements for new jobs created by technological transformation

technological changes; vocational training; educational needs; training needs; emerging occupations.

C. Tagliaferro, "Professionalità, formazione e innovazione tecnologica", Osservatorio sul mercato del lavoro e delle professioni, ISFOL, n. 5-6, (1983)

Summary of a research work performed by ISFOL and ARPES about "The systems of constraints for the fulfillment of new technology agreements in manufacturing in presence of automation processes" with particular emphasis on training and skills.

technological change; vocational training; skill; computerization; manufacturing.

Unione Industriale di Torino, L'utilizzo dei contratti di formazione-lavoro nell'industria torinese, Torino, (1985)

Survey of the diffusion of the contracts for youth employment and training among the manufacturing firms of Turin's area

youth employment; vocational training; occupations; local labour market; labour contract.







**Programme for research and actions on the development of the labour market  
New forms and new areas of employment growth  
Final report for Italy — Part II**

by Bruno Contini (project director), Ugo Colombino, Liliane Treves, Margherite Viteli,  
R & P, Recherche e Progetti — Torino

*Document*

Luxembourg: Office for Official Publications of the European Communities

1987 — 108 pp. — 21.0 x 29.7 cm

EN

Part II : ISBN 92-825-7547-0

Part I-II: ISBN 92-825-7548-9

Catalogue number: CB-01-87-002-EN-C

Price (excluding VAT) in Luxembourg:

	ECU	BFR	IRL	UKL	USD
Part II :	9.90	425	7.70	6.90	11
Part I-II:	16.80	725	13	12	29.50

**Venta y suscripciones · Salg og abonnement · Verkauf und Abonnement · Πωλήσεις και συνδρομές  
Sales and subscriptions · Vente et abonnements · Vendita e abbonamenti  
Verkoop en abonnementen · Venda e assinaturas**

**BELGIQUE / BELGIE**

**Moniteur belge / Belgisch Staatsblad**  
Rue de Louvain 40-42 / Leuvenstraat 40-42  
1000 Bruxelles / 1000 Brussel  
Tél. 5 12 00 28  
CCP / Postrekening 000-2005502-27

Sous-dépôts / Agentschappen:

**Librairie européenne /  
Europese Boekhandel**  
Rue de la Loi 244 / Wetstraat 244  
1040 Bruxelles / 1040 Brussel

**CREDOC**

Rue de la Montagne 34 / Bergstraat 34  
Bte 11 / Bus 11  
1000 Bruxelles / 1000 Brussel

**DANMARK**

**Schultz EF-publikationer**  
Møntergade 19  
1116 København K  
Tlf: (01) 14 11 95  
Telecopier: (01) 32 75 11

**BR DEUTSCHLAND**

**Bundesanzeiger Verlag**  
Breite Straße  
Postfach 10 80 06  
5000 Köln 1  
Tel: (02 21) 20 29-0  
Fernschreiber ANZEIGER BONN 8 882 595  
Telecopierer 20 29 278

**GREECE**

**G.C. Eleftheroudakis SA**  
International Bookstore  
4 Nikis Street  
105 63 Athens  
Tel 322 22 55  
Telex 219410 ELEF

Sub-agent for Northern Greece

**Molho's Bookstore**  
The Business Bookshop  
10 Tsimiski Street  
Thessaloniki  
Tel 275 27 11  
Telex 412885 LIMO

**ESPAÑA**

**Boletín Oficial del Estado**  
Tratado 27  
28010 Madrid  
Tel (91) 446 60 00

**Mundi-Prensa Libros, S.A.**  
Castelló 37  
28001 Madrid  
Tel (91) 431 33 99 (Libros)  
431 32 22 (Suscripciones)  
435 36 37 (Dirección)  
Telex 49370-MPLI-E

**FRANCE**

**Journal officiel**  
Service des publications  
des Communautés européennes  
26, rue Desaix  
75727 Paris Cedex 15  
Tél. (1) 45 78 81 39

**IRELAND**

**Government Publications Sales Office**  
Sun Alliance House  
Molesworth Street  
Dublin 2  
Tel. 71 03 09

or by post

**Government Stationery Office**  
Publications Section  
6th floor  
Bishop Street  
Dublin 8  
Tel 78 16 66

**ITALIA**

**Licosa Spa**  
Via Lamarmora, 45  
Casella postale 552  
50 121 Firenze  
Tel 57 97 51  
Telex 570466 LICOSA I  
CCP 343 509

Subagent:

**Libreria scientifica Lucio de Bissio - AEIOU**  
Via Meravigli, 16  
20 123 Milano  
Tel 80 76 79

**Libreria Tassi**  
Via A. Farnese, 28  
00 192 Roma  
Tel 31 05 90

**Libreria giuridica**  
Via 12 Ottobre, 172/R  
16 121 Genova  
Tel 59 56 93

**GRAND-DUCHE DE LUXEMBOURG  
et autres pays / and other countries**

**Office des publications officielles  
des Communautés européennes**  
2, rue Mercier  
L-2985 Luxembourg  
Tel 49 92 81  
Telex PUBOP LU 1324 b  
CCP 19190-81  
CC bancaire BIL 8-109/6003/200

Abonnements / Subscriptions

**Messageries Paul Kraus**  
11, rue Christophe Plantin  
L-2339 Luxembourg  
Tel 49 98 888  
Telex 25 15  
CCP 49242-63

**NEDERLAND**

**Staatdrukkerij- en uitgeverijbedrijf**  
Christoffel Plantijnstraat  
Postbus 20014  
2500 EA 's-Gravenhage  
Tel. (070) 78 98 80 (bestellingen)

**PORTUGAL**

**Imprensa Nacional  
Casa da Moeda, E. P.**  
Rua D. Francisco Manuel de Melo, 5  
1092 Lisboa Codex  
Tel. 69 34 14  
Telex 15328 INCM

**Distribuidora Livros Bertrand Lda.**  
**Grupo Bertrand, SARL**  
Rua das Terras dos Vales, 4-A  
Apart. 37  
2700 Amadora CODEX  
Tel 493 90 50 - 494 87 88  
Telex 15798 BERDIS

**UNITED KINGDOM**

**HM Stationery Office**  
HMSO Publications Centre  
51 Nine Elms Lane  
London SW8 5DR  
Tel (01) 211 56 56

Sub-agent

**Alan Armstrong & Associates Ltd**  
72 Park Road  
London NW1 4SH  
Tel (01) 723 39 02  
Telex 297635 AAALTD G

**UNITED STATES OF AMERICA**

**European Community Information  
Service**  
2100 M Street, NW  
Suite 707  
Washington, DC 20037  
Tel (202) 862 9500

**CANADA**

**Renouf Publishing Co., Ltd**  
61 Sparks Street  
Ottawa  
Ontario K1P 5R1  
Tel Toll Free 1 (800) 267 4164  
Ottawa Region (613) 238 8985-6  
Telex 053-4936

**JAPAN**

**Kinokuniya Company Ltd**  
17-7 Shinjuku 3-Chome  
Shinjuku-ku  
Tokyo 160-91  
Tel (03) 354 0131

**Journal Department**  
PO Box 55 Chitose  
Tokyo 156  
Tel (03) 439 0124

Price (excluding VAT) in Luxembourg:

	ECU	BFR	IRL	UKL	USD
Part II :	9.90	425	7.70	6.90	11
Part I-II:	16.80	725	13	12	29.50



OFFICE FOR OFFICIAL PUBLICATIONS  
OF THE EUROPEAN COMMUNITIES

L-2985 Luxembourg

ISBN 92-825-7547-0



9 789282 575475