



Investing in the Future of Jobs and Skills

Scenarios, implications and options in anticipation
of future skills and knowledge needs

Data Annex
Printing and Publishing

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This report is published as part of a series of forward-looking sector studies on New Skills and New Jobs in the frame of the project *Comprehensive Sectoral Analysis of Emerging Competences and Economic Activities in the European Union*.

NOTE TO THE READER

The data presented in this annex provides an overall consistent picture of the state of play and developments in the sector. It constitutes the backbone of the quantitative part of the mapping exercise in Part I of the report.

The key data collected in this study are derived from various, mostly comparable sources. The first source concerns the input-output (I/O) tables published by Eurostat. These tables conform to the ESA95 standard; they provide data on value added for sectors, exports and imports (from the respective supply and use tables) and are the only source providing value added data at the 2-digit NACE level. GDP data (country totals) were derived from the OECD. Employment data were also obtained from Eurostat, partly from the National Accounts. The main part of the employment data was provided by the Structural Business Statistics (SBS) from Eurostat, both at the NACE 2 digit and the NACE 3 digit level. This source required estimations for missing values; these were made under responsibility of TNO. Micro-data on developments in the sector by job occupation were derived Eurostat's Labour Force Survey (LFS), as provided by Alphametrix and further processed by TNO. Due to sample size restrictions, the representativeness of country LFS data should be interpreted with caution and as indicative only, and presented in italics. Data on country groupings EU, EU 6, EU 9, EU 15 and NMS pool country data together and can be judged to be representative. EU 6 refers to the founding fathers of the then European Community, EU 9 to the Member States that accessed in the years thereafter, and the EU 15 as the sum of the two. The NMS or new Member States include the last wave of accession and includes Romania and Bulgaria, unless otherwise stated. It should however be borne in mind that the Labour Force Survey is based on a sample (n) rather than on the full statistical population (N).

In case a blank space appears in the data tables data are not available, either because the (sub)sector did not exist in a particular country, because of lack of information applied or because the underlying information was statistically insignificant. In general, data is lacking for some of the new Member States. This especially applies to Malta and Cyprus. Some sources did also not provide data for Bulgaria, Romania and Latvia. The aggregation of the countries is roughly based on the length in number of years of EU membership. Besides the entire EU, we distinguish the following sets of country blocks:

- EU-6: Belgium, Germany, France, Italy, Luxembourg, the Netherlands
- EU-9: Austria, Denmark, Finland, Greece, Ireland, Portugal, Spain, Sweden, United Kingdom
- EU-7: Czech Republic, Estonia, Hungary, Lithuania, Poland, Slovenia, Slovakia
- New Member States (NMS): Bulgaria, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Romania, Slovenia, Slovakia.

Data on value added and trade is lacking for Malta, Cyprus, Bulgaria, Romania and Latvia. Data on employment is missing for Malta and Cyprus, and data on skills is lacking for Malta, Cyprus and Poland.

The data is presented in 10 sections. In coherence with the main report this data annex refers to the printing, publishing and recorded media industry (NACE 22). The first section presents data on value added, the second on trade, and the third on knowledge intensity. The remaining sections present data on various variables of employment. Section 4 presents absolute numbers of employment and growth rates by country. Section 5 groups employment by firm size and section 6 by entrepreneurial activity. Section 7 up to 10 are based on Labour Force Survey data. Section 7 presents employment by occupation and relative changes over time therein. Section 8 relates occupations to gender, section 9 to the level of education and section 10 to age groups.

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1. Value Added

Table 1.1 GDP and GDP growth: overall economy and printing, publishing and recorded media industry (NACE 22)

	Printing, publishing and recorded media (NACE 22)				Overall economy			
	GDP 2006	1995- 2000	2000- 2006	1995- 2006	GDP 2006	1995- 2000	2000- 2006	1995- 2006
	m€		%*		m€		%*	
EU	124 811	3.4	1.2	2.2	11 472 380	2.8	2.0	2.3
EU 6	57 482	2.5	-0.7	0.7	6 480 204	2.2	1.3	1.7
EU 9	63 145	4.5	3.4	3.9	4 406 451	3.7	2.8	3.2
EU 15	120 627	3.4	1.3	2.2	10 886 655	2.8	1.9	2.3
NMS	4 184	5.0	-0.6	1.9	585 725	2.3	3.7	3.1
Belgium	2 636	0.8	2.8	1.9	316 622	2.4	1.8	2.1
France	13 566	3.9	-0.1	1.7	1 792 140	2.5	1.8	2.1
Germany	23 284	1.7	-2.2	-0.4	2 322 200	2.1	1.0	1.5
Italy	11 457	2.2	1.4	1.7	1 480 007	1.6	0.7	1.1
Luxembourg					33 852	5.9	3.9	4.8
Netherlands	6 539	3.8	-0.9	1.2	535 382	3.9	1.7	2.7
Austria	2 835	7.4	6.8	7.1	257 897	3.0	1.8	2.3
Denmark	2 539	3.0	0.2	1.4	220 069	2.8	1.9	2.3
Finland	2 142	2.4	5.9	4.3	167 178	4.3	2.8	3.5
Greece	1 309	1.7	3.4	2.6	214 203	3.5	3.7	3.6
Ireland	8 097	23.5	11.5	16.8	177 281	9.2	6.0	7.4
Portugal	1 410	5.7	2.6	4.0	155 278	3.5	1.1	2.1
Spain	12 526	10.7	7.0	8.7	981 777	4.3	3.2	3.7
Sweden	2 889	0.0	1.2	0.6	319 891	2.4	3.2	2.9
United Kingdom	29 398	2.0	0.6	1.2	1 912 877	3.4	2.5	2.9
Bulgaria								
Cyprus								
Czech Republic	1 019	14.8	6.1	10.0	114 060	-0.3	3.9	2.0
Estonia	136	7.6	12.0	10.0	13 223	6.3	8.3	7.4
Hungary	802	12.2	7.2	9.4	89 908	3.3	3.6	3.5
Latvia								
Lithuania	201	5.0	3.2	4.0	23 748	4.4	7.5	6.1
Malta								
Poland	1 398	2.8	-8.8	-3.7	269 756	3.5	3.0	3.2
Romania								
Slovenia	309	0.5	4.1	2.4	30 455	3.3	4.1	3.7
Slovakia	317	2.6	10.1	6.7	44 574	2.9	4.1	3.6

* Percentage is calculated as the cumulative annual average growth rate (CAGR)

Source: Eurostat/TNO

Table 1.2 Share of printing, publishing and recorded media industry (NACE 22) in GDP, share in sectoral GDP EU and concentration index*

	Share in national GDP		Share in EU		Concentration index	
	2006	1995-2006 (change)	2006	1995-2006 (change)	2006	1995-2006 (change)
	%	%	%	%	%	%
EU	1.1	0.0	100	0	100	0
EU 6	0.9	-0.1	47	-7	82	-7
EU 9	1.4	0.1	50	7	131	10
EU 15	1.1	0.0	97	0	102	1
NMS	0.7	-0.2	3	0	68	-12
Belgium	0.8	0.0	2	0	76	2
France	0.8	0.0	11	0	71	-2
Germany	1.0	-0.2	19	-5	93	-17
Italy	0.8	0.0	9	-1	69	3
Luxembourg	0.0	0.0	0	0	0	0
Netherlands	1.2	-0.2	5	-1	113	-15
Austria	1.0	0.3	2	1	91	29
Denmark	1.2	-0.1	2	0	107	-5
Finland	1.3	0.0	2	0	122	4
Greece	0.6	-0.1	1	0	56	-5
Ireland	4.3	2.4	6	4	395	225
Portugal	0.9	0.0	1	0	82	6
Spain	1.2	0.4	10	4	113	41
Sweden	1.0	-0.3	2	-1	91	-26
United Kingdom	1.6	-0.2	24	-1	145	-17
Bulgaria	0.0	0.0	0	0	0	0
Cyprus	0.0	0.0	0	0	0	0
Czech Republic	0.8	0.3	1	0	77	29
Estonia	1.0	0.2	0	0	92	19
Hungary	0.9	0.3	1	0	79	31
Latvia	0.0	0.0	0	0	0	0
Lithuania	0.9	-0.3	0	0	85	-23
Malta	0.0	0.0	0	0	0	0
Poland	0.6	-0.6	1	-1	56	-51
Romania	0.0	0.0	0	0	0	0
Slovenia	1.0	-0.1	0	0	96	-7
Slovakia	0.7	0.2	0	0	65	19

* defined as share in country divided by share in EU, times 100

Source: Eurostat/TNO

2. Trade

Table 2.1 Exports, export growth, share of exports in value added, and change over time: publishing, printing and recorded media industry (NACE 22)

	Exports 2006	Annual average growth rate*, 1995-2006	Exports as share in of value added, 2006	Change of share in value added, 1995-2006
		%	%	%
EU	44 766	5.2	36	5
EU 6	23 445	6.2	41	7
EU 9	19 017	3.4	30	2
EU 15	42 462	4.9	35	4
NMS	2 304	15.5	55	19
Belgium	1 487	4.3	56	2
France	2 822	4.0	21	7
Germany	15 486	9.8	67	15
Italy	2 030	0.2	18	-1
Luxembourg	104	0.0	n.a.	n.a.
Netherlands	1 517	-1.4	23	-5
Austria	2 299	11.8	81	-1
Denmark	686	5.5	27	13
Finland	476	6.6	22	16
Greece	179	0.3	14	-13
Ireland	7 467	2.1	92	-14
Portugal	86	1.4	6	5
Spain	2 075	5.7	17	-7
Sweden	457	4.6	16	2
United Kingdom	5 292	2.1	18	4
Bulgaria	0	0.0	n.a.	0
Cyprus	0	0.0	n.a.	0
Czech Republic	1 179	16.0	116	18
Estonia	66	23.6	49	-23
Hungary	70	0.5	9	-12
Latvia	0	0.0	n.a.	0
Lithuania	41	11.5	21	-16
Malta	0	0.0	n.a.	0
Poland	621	30.4	44	19
Romania	0	0.0	n.a.	0
Slovenia	105	6.4	34	-10
Slovakia	222	10.8	70	6

* calculated as the cumulative annual average growth rate (CAGR)

Source: Eurostat/TNO

Table 2.2 Imports, import growth, exports/imports ratio, and change over time: publishing, printing and recorded media industry (NACE 22)

	Imports	Annual growth rate*	Exports/imports ratio	Change of export/imports ratio
	2006	1995-2006	2006	1995-2006
	m€	%	%	%
EU	28 414	5.1	161	-1
EU 6	15 437	4.3	151	23
EU 9	11 133	5.8	182	-40
EU 15	26 570	4.9	164	-2
NMS	1 844	9.0	116	50
Belgium	1 181	3.2	125	19
France	3 697	4.2	80	-8
Germany	8 315	7.4	186	42
Italy	941	-1.9	207	-8
Luxembourg	0			
Netherlands	1 302	-1.7	116	7
Austria	1 640	6.3	135	28
Denmark	884	8.5	80	-16
Finland	644	16.6	80	-119
Greece	237	-2.8	79	34
Ireland	1 381	10.2	611	-625
Portugal	496	5.0	17	-10
Spain	712	0.8	270	97
Sweden	679	3.7	66	5
United Kingdom	4 461	5.5	121	-47
Bulgaria	0			
Cyprus	0			
Czech Republic	814	10.0	135	44
Estonia	36	2.8	159	130
Hungary	317	7.3	30	-16
Latvia	0			
Lithuania	46	-0.7	79	53
Malta	0			
Poland	443	14.0	128	97
Romania	0			
Slovenia	42	-2.9	208	117
Slovakia	145	11.4	153	17

* calculated as the cumulative annual average growth rate (CAGR)

Source: Eurostat/TNO

3. Knowledge intensity

Table 3.1 Knowledge intensity* in the printing, publishing and recorded media industry (NACE 22) and the total economy (in %)

	22		Economy		Difference	
	<i>% high educated</i>	<i>Change 2000-2006</i>	<i>% high educated</i>	<i>Change 2000-2006</i>	<i>% high educated</i>	<i>Difference in change</i>
EU	28	5	26	3	3	2
EU 6	25	5	35	0	-10	6
EU 9	33	7	46	3	-13	4
EU 15	28	6	27	3	1	3
NMS	27	-7	32	2	-4	-9
Belgium	42	11	37	4	5	8
Germany	22	1	26	0	-4	1
France	38	13	30	4	9	9
Italy	17	7	15	3	1	4
Luxembourg			27	6		
Netherlands	23	4	30	6	-7	-2
Denmark	28	12	33	8	-5	4
Ireland	32	6	33	8	-1	-2
Greece	22	1	25	5	-2	-4
Spain	41	9	32	5	9	4
Austria	19	7	18	3	0	4
Portugal	25	11	14	4	11	7
Finland	35	5	35	2	0	3
Sweden	25	5	30	0	-5	5
United Kingdom	33	5	32	3	2	2
Bulgaria	38	0	25	3	13	-3
Czech Republic	18	-2	15	2	4	-5
Estonia	51	0	35	3	15	-3
Cyprus						
Latvia	30	-16	23	2	7	-18
Lithuania	45	-12	31	-15	14	2
Hungary	22	0	21	4	1	-4
Malta						
Poland	30		22		8	
Romania	27	-24	13	5	14	-28
Slovenia	24	0	23	6	1	-6
Slovakia	19	5	17	5	2	1

*High educated as percentage of all employment in the sector

Source: Alphametrics/Eurostat/TNO

4. Employment, employment growth and concentration

Table 4.1 Employment* of economy, manufacturing, Printing, publishing and recorded media industry (NACE 22), 2006 (in persons)

	Total employment	Total manufacturing	22
	2006	2006	2006
EU	219 623 000	34 412 299	1907 036
EU 6	102 008 000	16 767 331	887 836
EU 9	75 247 000	9 425 653	711 621
EU 15	177 255 000	26 192 984	1599 458
NMS	43 668 000	8 219 315	307 579
Belgium	4 343 000	608 502	33 958
Germany	39 024 000	7 108 858	405 902
France	25 356 000	3 657 504	195 180
Italy	24 695 000	4 576 771	173 713
Luxembourg	203 000	37 020	
Netherlands	8 387 000	778 676	79 083
Denmark	2 782 000	415 088	37 197
Ireland	2 042 000	220 101	17 258
Greece	4 642 000	400 081	26 374
Spain	20 000 000	2 589 588	153 910
Austria	4 800 000	624 394	29 850
Portugal	5 167 000	830 116	37 918
Finland	2 444 000	406 638	26 964
Sweden	4 423 000	798 471	48 004
United Kingdom	28 947 000	3 141 176	334 146
Bulgaria	3 612 000	663 847	16 541
Czech Republic	4 986 000	1 354 162	59 328
Estonia	648 000	132 236	6 692
Cyprus	373 000	36 490	
Latvia	1 088 000	163 840	11 119
Lithuania	1 504 000	267 850	11 042
Hungary	3 905 000	778 075	43 639
Malta	154 000	31 705	
Poland	14 594 000	2 590 854	102 244
Romania	9 568 000	1 552 158	38 201
Slovenia	935 000	235 917	9 063
Slovakia	2 301 000	412 181	9 709

* employers and employees

Source: Eurostat/TNO

Table 4.2 Employment* of economy, manufacturing, Printing, publishing and recorded media industry (NACE 22), 2000 (in persons)

	Total employment	Total manufacturing	22
	2000	2000	2000
EU	208 795 000	36 775 816	1970 949
EU 6	98 307 000	18 025 935	924 342
EU 9	69 035 000	10 634 910	792 750
EU 15	167 342 000	28 660 845	1717 092
NMS	41 453 000	8 114 971	253 857
Belgium	4 142 000	676 961	38 546
Germany	39 038 000	7 551 269	395276
France	24 332 000	4 026 591	218540
Italy	22 498 000	4 821 489	173845
Luxembourg	185 000	34 357	
Netherlands	8 112 000	915 268	98135
Denmark	2 757 000	488 000	53303
Ireland	1 696 000	255 705	18868
Greece	4 255 000	402 365	41722
Spain	16 399 000	2 594 832	149885
Austria	4 836 000	628 753	26695
Portugal	5 054 000	937 549	37472
Finland	2 303 000	435 788	31593
Sweden	4 301 000	791 764	56815
United Kingdom	27 434 000	4 100 154	376397
Bulgaria	3 239 000	611 347	12019
Czech Republic	4 825 000	1 377 896	39286
Estonia	575 000	119 379	5516
Cyprus	315 000	36 422	
Latvia	944 000	153 516	8465
Lithuania	1 403 000	244 720	10062
Hungary	3 844 000	756 003	24205
Malta	146 000	31 728	
Poland	14 526 000	2 274 083	88249
Romania	8 629 000	1 835 416	42126
Slovenia	905 000	263 204	11879
Slovakia	2 102 000	411 256	12050

* employers and employees

Source: Eurostat/TNO

Table 4.3 Employment* of printing, publishing and recorded media and sub-sectors: publishing (NACE 221), printing (NACE 222) and recorded media (NACE 223)

	Employment 22	Employment 221	Employment 222+223
	2006	2006	2006
EU	1 907 036	854 298	1 052 738
EU 6	887 836	396 301	491 536
EU 9	711 621	338 118	373 504
EU 15	1 599 458	734 418	865 040
NMS	307 579	119 880	187 699
Belgium	33 958	10 639	23 319
Germany	405 902	214 856	191 046
France	195 180	89 260	105 920
Italy	173 713	46 158	127 555
Luxembourg	0	0	0
Netherlands	79 083	35 388	43 694
Denmark	37 197	25 419	11 778
Ireland	17 258	5 017	12 242
Greece	26 374	14 292	12 082
Spain	153 910	55 948	97 962
Austria	29 850	11 348	18 502
Portugal	37 918	12 761	25 157
Finland	26 964	15 942	11 022
Sweden	48 004	27 011	20 993
United Kingdom	334 146	170 380	163 766
Bulgaria	16 541	6 048	10 493
Czech Republic	59 328	16 862	42 467
Estonia	6 692	3 593	3 099
Cyprus	0	0	0
Latvia	11 119	6 762	4 356
Lithuania	11 042	6 836	4 206
Hungary	43 639	14 198	29 441
Malta	0	0	0
Poland	102 244	42 185	60 060
Romania	38 201	14 177	24 024
Slovenia	9 063	3 383	5 680
Slovakia	9 709	5 836	3 873

* employers and employees

Source: Eurostat/TNO

Table 4.4 Employment* growth** 2000-2006 printing, publishing and recorded media (NACE 22) and subsectors publishing (NACE 221), printing (NACE 222) and recorded media (NACE 223)

	22	221	222+223
	<i>CAGR 2000-2006 (%)</i>	<i>CAGR 2000-2006 (%)</i>	<i>CAGR 2000-2006 (%)</i>
EU	-0.5	0.3	-1.2
EU 6	-0.7	0.7	-1.7
EU 9	-1.8	-0.2	-3.1
EU 15	-1.2	0.3	-2.3
NMS	3.3	0.5	5.3
Belgium	-2.1	-2.9	-1.7
Germany	0.4	2.0	-1.2
France	-1.9	0.0	-3.3
Italy	0.0	0.4	-0.2
Luxembourg			
Netherlands	-3.5	-3.5	-3.6
Denmark	-5.8	-5.0	-7.5
Ireland	-1.5	2.7	-2.9
Greece	-7.4	-5.5	-9.3
Spain	0.4	1.7	-0.2
Austria	1.9	5.8	-0.1
Portugal	0.2	1.8	-0.5
Finland	-2.6	-1.7	-3.8
Sweden	-2.8	-1.9	-3.8
United Kingdom	-2.0	0.6	-4.2
Bulgaria	5.5	3.5	6.7
Czech Republic	7.1	-0.9	12.0
Estonia	3.3	1.7	5.3
Cyprus			
Latvia	4.6	6.2	2.5
Lithuania	1.6	0.3	3.8
Hungary	10.3	10.6	10.2
Malta			
Poland	2.5	2.5	2.5
Romania	-1.6	-8.7	5.2
Slovenia	-4.4	-3.1	-5.1
Slovakia	-3.5	-1.0	-6.6

* Employers and employees. **calculated as the cumulative annual average growth rate (CAGR)

Source: Eurostat/TNO

Table 4.5 Share of sector employment* of Member States in EU sector employment, 2006, and changes in shares. Printing, publishing and recorded media (NACE 22) and sub-sectors: printing (NACE 222), publishing (NACE 221) and recorded media (NACE 223) (in %)

	22	221	222+223	22	221	222+223
	<i>Share 2006</i>			<i>Change in share 2000-2006</i>		
EU	100	100	100	0	0	0
EU 6	47	46	47	0	1	-1
EU 9	37	40	35	3	-1	-4
EU 15	84	86	82	3	0	-6
NMS	16	14	18	-3	0	6
Belgium	2	1	2	0	0	0
Germany	21	25	18	-1	-2	0
France	10	10	10	1	0	1
Italy	9	5	12	0	0	-1
Luxembourg	0	0	0	0	0	0
Netherlands	4	4	4	1	1	0
Denmark	2	3	1	1	1	0
Ireland	1	1	1	0	0	0
Greece	1	2	1	1	1	0
Spain	8	7	9	0	-1	-1
Austria	2	1	2	0	0	0
Portugal	2	1	2	0	0	0
Finland	1	2	1	0	0	0
Sweden	3	3	2	0	0	0
United Kingdom	18	20	16	2	0	3
Bulgaria	1	1	1	0	0	0
Czech Republic	3	2	4	-1	0	-2
Estonia	0	0	0	0	0	0
Cyprus	0	0	0	0	0	0
Latvia	1	1	0	0	0	0
Lithuania	1	1	0	0	0	0
Hungary	2	2	3	-1	-1	-1
Malta	0	0	0	0	0	0
Poland	5	5	6	-1	-1	-1
Romania	2	2	2	0	1	-1
Slovenia	0	0	1	0	0	0
Slovakia	1	1	0	0	0	0

*Employers and employees
Source: Eurostat/TNO

Table 4.6 Employment* in printing, publishing and recorded media (NACE 22) as share of total employment, and a share of manufacturing employment, 2006 (in %)

	Share in total employment	Share in manufacturing employment
	%	%
EU	0.87	5.54
EU 6	0.87	5.30
EU 9	0.95	7.55
EU 15	0.90	6.11
NMS	0.70	3.74
Belgium	0.78	5.58
Germany	1.04	5.71
France	0.77	5.34
Italy	0.70	3.80
Luxembourg	0.00	0.00
Netherlands	0.94	10.16
Denmark	1.34	8.96
Ireland	0.85	7.84
Greece	0.57	6.59
Spain	0.77	5.94
Austria	0.62	4.78
Portugal	0.73	4.57
Finland	1.10	6.63
Sweden	1.09	6.01
United Kingdom	1.15	10.64
Bulgaria	0.46	2.49
Czech Republic	1.19	4.38
Estonia	1.03	5.06
Cyprus	0.00	0.00
Latvia	1.02	6.79
Lithuania	0.73	4.12
Hungary	1.12	5.61
Malta	0.00	0.00
Poland	0.70	3.95
Romania	0.40	2.46
Slovenia	0.97	3.84
Slovakia	0.42	2.36

Source: Eurostat/TNO

Table 4.7 Share of (sub-)sector employment in total employment: printing, publishing and recorded media (NACE 22) and sub-sectors: publishing (NACE 221), printing (NACE 222) and recorded media (NACE 223) (in %)

	22	221	222+223	22	221	222+223
	<i>Share in national employment, 2006</i>			<i>Change in share, 2000-2006</i>		
	%	%	%			
EU	0.87	0.39	0.48	-0.07	-0.01	-0.06
EU 6	0.87	0.39	0.48	-0.07	0.00	-0.07
EU 9	0.95	0.44	0.48	-0.20	-0.05	-0.16
EU 15	0.90	0.41	0.48	-0.12	-0.02	-0.10
NMS	0.70	0.29	0.45	0.13	0.01	0.12
Belgium	0.78	0.25	0.55	-0.15	-0.06	-0.09
Germany	1.04	0.55	0.49	0.03	0.06	-0.03
France	0.77	0.35	0.42	-0.13	-0.01	-0.11
Italy	0.70	0.19	0.52	-0.06	-0.01	-0.05
Luxembourg	0.00	0.00	0.00	0.00	0.00	0.00
Netherlands	0.94	0.42	0.52	-0.27	-0.12	-0.15
Denmark	1.34	0.25	0.60	-0.26	-0.01	-0.26
Ireland	0.85	0.29	0.25	-0.43	-0.17	-0.25
Greece	0.57	0.28	0.49	-0.14	-0.03	-0.11
Spain	0.77	0.27	0.44	0.06	0.07	-0.01
Austria	0.62	0.25	0.49	-0.01	0.02	-0.03
Portugal	0.73	0.65	0.45	-0.27	-0.12	-0.15
Finland	1.10	0.61	0.47	-0.25	-0.10	-0.15
Sweden	1.09	0.55	0.53	-0.20	-0.01	-0.19
United Kingdom	1.15	0.17	0.29	0.09	0.02	0.07
Bulgaria	0.46	0.17	0.29	0.09	0.02	0.07
Czech Republic	1.19	0.33	0.84	0.37	-0.03	0.40
Estonia	1.03	0.57	0.49	0.09	0.00	0.09
Cyprus	0.00					
Latvia	1.02	0.63	0.41	0.14	0.13	0.01
Lithuania	0.73	0.46	0.28	0.02	-0.02	0.04
Hungary	1.12	0.36	0.75	0.49	0.16	0.33
Malta	0.00					
Poland	0.70	0.32	0.45	0.18	0.07	0.10
Romania	0.40	0.15	0.26	-0.08	-0.13	0.05
Slovenia	0.97	0.36	0.61	-0.34	-0.09	-0.25
Slovakia	0.42	0.27	0.18	-0.15	-0.04	-0.11

*Employers and employees

Source: Eurostat/TNO

5. Firm Size

Table 0.1 Employment by firm size. Share and changes in share of employment by firm size in the printing, publishing and recorded media industry (NACE 22) (in %)

Firm size	Shares 2006			Total change of shares 1999-2006		
	<49	50-249	>249	<49	50-249	>249
	<i>Number of employees</i>			<i>Number of employees</i>		
EU	47.8	23.7	28.5	0.7	0.1	-0.9
EU 6	46.1	23.6	30.2	0.6	0.3	-0.9
EU 9	48.0	23.1	28.9	0.4	-0.3	-0.1
EU 15	47.0	23.4	29.6	0.5	0.0	-0.5
NMS	53.8	25.7	20.5	0.8	0.6	-1.4
Belgium	53.2	27.4	19.4	1.3	-0.7	-0.6
France	49.0	24.8	26.2	-2.1	1.2	0.9
Germany	32.4	26.7	40.9	0.0	-0.1	0.1
Italy	68.6	17.0	14.4	0.8	1.5	-2.2
Luxembourg						
Netherlands	52.6	18.6	28.8	8.9	-1.9	-7.0
Denmark	31.6	28.4	40.0	1.8	9.4	-11.2
Ireland	37.0	28.5	34.5	8.2	-0.5	-7.7
Greece	61.8	19.5	18.6	36.3	-21.8	-14.5
Spain	65.4	22.2	12.4	-3.0	0.8	2.2
Austria	46.0	33.3	20.6	0.8	-0.1	-0.8
Portugal	61.5	26.1	12.4	-3.4	1.9	1.5
Finland	34.4	35.2	30.5	-2.3	5.3	-3.0
Sweden	45.6	32.9	21.4	-1.3	-0.5	1.8
United Kingdom	41.1	19.4	39.5	-3.2	-1.6	4.8
Bulgaria	54.7	34.8	10.5			
Czech Republic	55.1	23.9	21.0	0.2	-2.4	2.2
Estonia	51.2	11.5	37.3			
Cyprus	70.5	29.5	0.0			
Latvia	50.7	34.2	15.1			
Lithuania	53.8	32.2	14.0	5.8	-0.7	-5.1
Hungary	60.8	22.6	16.5	10.2	-5.6	-4.6
Malta						
Poland	52.0	25.7	22.2	1.1	1.4	-2.5
Romania	56.5	31.3	12.2	18.0	-5.4	-12.7
Slovenia	53.4	29.9	16.7			
Slovakia	45.4	24.3	30.4			

Source: Eurostat/TNO

Table 0.2 Number of firms by firm size. Share and changes in share of firms by firm size in the printing, publishing and recorded media industry (NACE 22), 2006 and 1999-2006 (in %)

	Shares 2006			Total change of shares 1999-2006		
	<49	50-249	>249	<49	50-249	>249
	<i>Number of employees</i>			<i>Number of employees</i>		
EU	97.7	2.0	0.4	0.6	-0.4	-0.1
EU 6	97.3	2.2	0.4	0.1	-0.1	0.0
EU 9	97.7	2.0	0.3	0.9	-0.7	-0.2
EU 15	97.5	2.1	0.4	0.5	-0.4	-0.1
NMS	98.5	1.3	0.2	0.6	-0.5	-0.1
Belgium	97.9	1.8	0.3			
France	98.3	1.4	0.3	0.4	-0.3	-0.1
Germany	93.3	5.5	1.1	-0.6	0.6	0.0
Italy	98.8	1.1	0.1	0.0	0.0	0.0
Luxembourg	95.4	3.0	1.5			
Netherlands	96.9	2.5	0.6	0.2	-0.2	0.0
Denmark	95.0	4.0	1.0	-0.9	0.9	0.0
Ireland	88.7	9.4	2.0	4.5	-2.8	-1.7
Greece	99.1	0.7	0.1	27.5	-23.7	-3.7
Spain	98.4	1.4	0.2	0.8	-0.7	-0.1
Austria	95.2	4.3	0.5	1.9	-1.6	-0.4
Portugal	98.2	1.7	0.2	0.8	-0.8	-0.1
Finland	95.8	3.5	0.7	-0.6	0.6	0.0
Sweden	98.3	1.5	0.2	0.5	-0.5	-0.1
United Kingdom	97.2	2.3	0.5	0.5	-0.3	-0.2
Bulgaria	96.1	3.6	0.3			
Czech Republic	99.0	0.8	0.1	0.7	-0.6	-0.1
Estonia	93.5	6.3	0.2	0.5	-0.7	0.2
Cyprus	98.3	1.7	0.0			
Latvia	95.8	3.9	0.4	1.2	-1.0	-0.2
Lithuania	97.3	2.5	0.2	1.8	-1.5	-0.2
Hungary	98.7	1.1	0.2	8.0	-6.7	-1.3
Malta						
Poland	98.3	1.5	0.2	-0.2	0.3	0.0
Romania	97.0	2.7	0.2	5.1	-4.3	-0.8
Slovenia	98.4	1.4	0.2			
Slovakia	96.9	2.0	1.1	48.6	-43.9	-4.7

Source: Eurostat/TNO

6. Employment and entrepreneurs

Table 6.1 Share of employees, entrepreneurs and part-time employment in printing, publishing and recorded media (NACE 22), 2006

	Total employed in sector	Share of employees	Share of entrepreneurs	Share of part-time workers
EU	1 911 691	0.87	0.13	0.13
EU 6	887 836	0.85	0.15	0.19
EU 9	711 621	0.91	0.09	0.10
EU 15	1 599 458	0.88	0.12	0.15
NMS	312 234	0.79	0.21	0.04
Belgium	33 958	0.85	0.15	0.16
Germany	405 902	0.86	0.14	0.27
France	195 180	0.96	0.04	0.13
Italy	173 713	0.73	0.27	0.03
Luxembourg	0			
Netherlands	79 083	0.84	0.16	0.28
Denmark	37 197	0.89	0.11	0.32
Ireland	17 258	0.87	0.13	0.14
Greece	26 374	0.75	0.25	0.02
Spain	153 910	0.92	0.08	0.02
Austria	29 850	0.81	0.19	0.15
Portugal	37 918	0.97	0.03	0.00
Finland	26 964	0.98	0.02	0.07
Sweden	48 004	0.87	0.13	0.14
United	334 146	0.93	0.07	0.13
Bulgaria	16 541	0.90	0.10	0.03
Czech Republic	59 328	0.56	0.44	0.01
Estonia	6 692	0.92	0.08	0.08
Cyprus	2 384	0.98	0.02	0.02
Latvia	11 119	0.99	0.01	0.18
Lithuania	11 042	0.95	0.05	0.21
Hungary	43 639	0.86	0.14	0.10
Malta	2 271	0.81	0.19	0.13
Poland	102 244	0.74	0.26	0.00
Romania	38 201	0.94	0.06	0.05
Slovenia	9 063	0.97	0.03	0.03
Slovakia	9 709	1.00	0.00	0.03

Source: Eurostat/TNO

7. Employment and occupations

Table 7.1 Employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2006 (persons times 1,000)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	1907.0	203.8	43.9	61.0	101.9	470.0	199.1	46.1	353.0	31.1	145.6	66.8	184.7
EU 6	887.8	73.2	14.5	31.7	29.2	234.8	95.2	27.8	160.5	15.2	56.8	32.5	116.6
EU9	711.6	104.1	16.2	17.6	56.6	167.2	76.2	11.8	130.7	8.3	46.4	20.3	56.3
EU15	1599.5	172.6	30.1	49.3	83.8	401.9	171.4	46.2	287.4	23.7	104.8	52.5	175.8
NMS	307.6	26.5	13.2	11.8	16.1	67.9	27.8	6.5	61.8	7.6	42.4	14.1	11.9
Belgium	34.0	3.9	1.1	1.5	2.2	4.7	5.3	0.3	6.7	0.4	5.2	1.3	1.4
Germany	405.9	28.8	6.5	7.8	13.1	101.2	47.8	1.8	72.2	7.7	4.1	12.8	102.1
France	195.2	20.6	1.8	13.0	7.8	61.1	15.8	2.1	15.3	3.7	35.2	12.1	6.7
Italy	173.7	13.4	3.0	8.5	3.7	50.3	18.2	1.3	60.0	2.6	3.7	4.7	4.2
Luxemb.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Netherl.	79.1	6.5	2.1	0.8	2.4	17.5	8.0	22.3	6.3	0.8	8.6	1.6	2.2
Denmark	37.2	2.9	1.0	2.8	4.4	9.2	3.4	0.3	6.9	0.0	2.1	0.2	4.1
Ireland	17.3	3.3	0.3	0.5	0.7	2.2	2.1	0.4	5.2	0.6	0.7	0.6	0.5
Greece	26.4	2.6	0.1	2.1	0.8	6.6	3.5	0.5	8.0	0.3	0.7	0.7	0.4
Spain	153.9	13.0	1.5	7.0	15.4	32.5	12.8	2.3	36.8	2.3	19.2	5.5	5.7
Austria	29.9	2.5	0.3	0.9	2.5	8.9	3.9	1.1	2.3	0.4	4.8	0.2	2.1
Portugal	37.9	2.6	1.0	0.7	1.9	7.1	2.9	0.1	12.2	0.2	6.6	1.4	1.2
Finland	27.0	4.5	0.4	1.2	2.2	8.3	1.3	0.3	2.2	0.3	4.4	0.2	1.7
Sweden	48.0	2.7	1.0	0.6	3.7	17.4	3.4	1.1	4.0	0.6	7.8	0.9	4.9
UK	334.1	70.1	10.6	1.8	24.8	75.1	42.8	5.6	53.1	3.6	0.0	10.6	35.8
Bulgaria	16.5	1.1	0.6	0.1	0.9	3.7	1.9	0.1	4.3	0.5	2.0	0.9	0.5
Czech Rep.	59.3	5.5	3.6	1.4	2.3	14.2	5.5	0.4	11.1	2.1	7.9	4.1	1.4
Estonia	6.7	1.4	0.0	0.0	1.0	2.6	0.0	0.3	1.1	0.0	0.2	0.0	0.2
Cyprus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Latvia	11.1	0.3	0.4	0.4	0.8	2.7	1.4	0.1	2.8	0.3	0.8	0.7	0.4
Lithuania	11.0	0.8	0.0	0.5	0.5	2.4	2.7	0.0	3.3	0.1	0.2	0.2	0.4
Hungary	43.6	6.2	1.1	0.2	2.0	6.5	4.1	1.1	16.5	0.8	2.9	1.4	0.8
Malta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poland	102.2	6.4	6.2	7.5	8.0	20.4	7.1	2.3	17.3	2.4	15.7	3.4	5.6
Romania	38.2	2.9	0.8	1.2	0.1	9.9	3.4	2.2	3.7	1.1	8.4	2.5	2.0
Slovenia	9.1	1.1	0.1	0.3	0.4	2.8	0.8	0.1	0.2	0.1	2.4	0.1	0.4
Slovakia	9.7	0.8	0.4	0.1	0.1	2.8	1.0	0.1	1.5	0.1	1.8	0.8	0.3

Source: Alphametrics/Eurostat/TNO

Table 7.2 Employment by occupation in the printing, publishing and recorded media industry (NACE 22) as share of total employment by country/region, 2006 (in %)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	100	11	2	3	5	25	10	2	19	2	8	4	10
EU 6	100	8	2	4	3	26	11	3	18	2	6	4	13
EU9	100	15	2	2	8	24	11	2	18	1	7	3	8
EU15	100	11	2	3	5	25	11	3	18	1	7	3	11
NMS	100	9	4	4	5	22	9	2	20	2	14	5	4
Belgium	<i>100</i>	<i>12</i>	<i>3</i>	<i>4</i>	<i>6</i>	<i>14</i>	<i>15</i>	<i>1</i>	<i>20</i>	<i>1</i>	<i>15</i>	<i>4</i>	<i>4</i>
Germany	<i>100</i>	<i>7</i>	<i>2</i>	<i>2</i>	<i>3</i>	<i>25</i>	<i>12</i>	<i>0</i>	<i>18</i>	<i>2</i>	<i>1</i>	<i>3</i>	<i>25</i>
France	<i>100</i>	<i>11</i>	<i>1</i>	<i>7</i>	<i>4</i>	<i>31</i>	<i>8</i>	<i>1</i>	<i>8</i>	<i>2</i>	<i>18</i>	<i>6</i>	<i>3</i>
Italy	<i>100</i>	<i>8</i>	<i>2</i>	<i>5</i>	<i>2</i>	<i>29</i>	<i>10</i>	<i>1</i>	<i>35</i>	<i>2</i>	<i>2</i>	<i>3</i>	<i>2</i>
Luxemb.	<i>100</i>												
Netherl.	<i>100</i>	<i>8</i>	<i>3</i>	<i>1</i>	<i>3</i>	<i>22</i>	<i>10</i>	<i>28</i>	<i>8</i>	<i>1</i>	<i>11</i>	<i>2</i>	<i>3</i>
Denmark	<i>100</i>	<i>8</i>	<i>3</i>	<i>7</i>	<i>12</i>	<i>25</i>	<i>9</i>	<i>1</i>	<i>19</i>	<i>0</i>	<i>6</i>	<i>0</i>	<i>11</i>
Ireland	<i>100</i>	<i>19</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>13</i>	<i>12</i>	<i>2</i>	<i>30</i>	<i>4</i>	<i>4</i>	<i>3</i>	<i>3</i>
Greece	<i>100</i>	<i>10</i>	<i>0</i>	<i>8</i>	<i>3</i>	<i>25</i>	<i>13</i>	<i>2</i>	<i>30</i>	<i>1</i>	<i>3</i>	<i>3</i>	<i>2</i>
Spain	<i>100</i>	<i>8</i>	<i>1</i>	<i>5</i>	<i>10</i>	<i>21</i>	<i>8</i>	<i>2</i>	<i>24</i>	<i>1</i>	<i>13</i>	<i>4</i>	<i>4</i>
Austria	<i>100</i>	<i>8</i>	<i>1</i>	<i>3</i>	<i>8</i>	<i>30</i>	<i>13</i>	<i>4</i>	<i>8</i>	<i>1</i>	<i>16</i>	<i>1</i>	<i>7</i>
Portugal	<i>100</i>	<i>7</i>	<i>3</i>	<i>2</i>	<i>5</i>	<i>19</i>	<i>8</i>	<i>0</i>	<i>32</i>	<i>1</i>	<i>17</i>	<i>4</i>	<i>3</i>
Finland	<i>100</i>	<i>17</i>	<i>1</i>	<i>5</i>	<i>8</i>	<i>31</i>	<i>5</i>	<i>1</i>	<i>8</i>	<i>1</i>	<i>16</i>	<i>1</i>	<i>6</i>
Sweden	<i>100</i>	<i>6</i>	<i>2</i>	<i>1</i>	<i>8</i>	<i>36</i>	<i>7</i>	<i>2</i>	<i>8</i>	<i>1</i>	<i>16</i>	<i>2</i>	<i>10</i>
UK	<i>100</i>	<i>21</i>	<i>3</i>	<i>1</i>	<i>7</i>	<i>22</i>	<i>13</i>	<i>2</i>	<i>16</i>	<i>1</i>	<i>0</i>	<i>3</i>	<i>11</i>
Bulgaria	<i>100</i>	<i>6</i>	<i>3</i>	<i>1</i>	<i>6</i>	<i>22</i>	<i>11</i>	<i>1</i>	<i>26</i>	<i>3</i>	<i>12</i>	<i>5</i>	<i>3</i>
Czech Rep.	<i>100</i>	<i>9</i>	<i>6</i>	<i>2</i>	<i>4</i>	<i>24</i>	<i>9</i>	<i>1</i>	<i>19</i>	<i>4</i>	<i>13</i>	<i>7</i>	<i>2</i>
Estonia	<i>100</i>	<i>20</i>	<i>0</i>	<i>0</i>	<i>15</i>	<i>38</i>	<i>0</i>	<i>4</i>	<i>17</i>	<i>0</i>	<i>3</i>	<i>0</i>	<i>2</i>
Cyprus	<i>100</i>												
Latvia	<i>100</i>	<i>3</i>	<i>4</i>	<i>4</i>	<i>7</i>	<i>24</i>	<i>13</i>	<i>1</i>	<i>25</i>	<i>3</i>	<i>7</i>	<i>6</i>	<i>3</i>
Lithuania	<i>100</i>	<i>7</i>	<i>0</i>	<i>4</i>	<i>5</i>	<i>22</i>	<i>24</i>	<i>0</i>	<i>30</i>	<i>1</i>	<i>1</i>	<i>2</i>	<i>3</i>
Hungary	<i>100</i>	<i>14</i>	<i>3</i>	<i>0</i>	<i>5</i>	<i>15</i>	<i>9</i>	<i>3</i>	<i>38</i>	<i>2</i>	<i>7</i>	<i>3</i>	<i>2</i>
Malta	<i>100</i>												
Poland	<i>100</i>	<i>6</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>20</i>	<i>7</i>	<i>2</i>	<i>17</i>	<i>2</i>	<i>15</i>	<i>3</i>	<i>5</i>
Romania	<i>100</i>	<i>7</i>	<i>2</i>	<i>3</i>	<i>0</i>	<i>26</i>	<i>9</i>	<i>6</i>	<i>10</i>	<i>3</i>	<i>22</i>	<i>7</i>	<i>5</i>
Slovenia	<i>100</i>	<i>12</i>	<i>1</i>	<i>4</i>	<i>4</i>	<i>31</i>	<i>9</i>	<i>1</i>	<i>2</i>	<i>1</i>	<i>27</i>	<i>1</i>	<i>5</i>
Slovakia	<i>100</i>	<i>8</i>	<i>4</i>	<i>1</i>	<i>2</i>	<i>29</i>	<i>10</i>	<i>1</i>	<i>15</i>	<i>1</i>	<i>19</i>	<i>8</i>	<i>3</i>

Source: Alphametrics/Eurostat/TNO

Table 7.3 Change in share of employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2000-2006 (in %)

	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	0	1	0	1	3	-2	0	-4	0	0	0	2
EU 6	1	0	0	0	5	-2	0	-6	0	-1	0	3
EU 9	0	1	0	2	4	-2	-1	-4	0	-2	0	3
EU 15	0	1	0	1	4	-2	0	-5	0	-1	0	3
NMS	2	2	1	3	-13	-4	0	4	0	6	3	-3
Belgium	4	2	1	3	3	-7	-1	-9	-1	6	-1	-1
Germany	0	0	0	0	1	-1	0	-5	0	-1	0	7
France	3	-1	-1	0	8	-4	0	-3	0	-6	2	1
Italy	2	1	4	-2	11	-4	-1	-10	-2	2	-1	1
Luxembourg												
Netherlands	-3	-1	0	-1	2	0	10	-8	0	5	-1	-3
Denmark	1	1	-2	7	5	2	-2	1	-3	-1	-3	-6
Ireland	2	1	1	0	-3	0	-2	2	2	-2	-1	0
Greece	4	0	2	2	1	-2	1	-8	-1	0	1	-1
Spain	0	0	2	4	5	-3	0	-9	1	1	0	-2
Austria	-1	0	2	5	17	-6	-1	-23	-1	11	-2	0
Portugal	-3	1	-2	3	6	-6	-5	3	-1	9	1	-5
Finland	4	-1	0	1	4	-2	1	-3	0	-1	-1	-2
Sweden	-3	0	0	-2	3	1	0	2	1	-6	-2	6
United Kingdom	0	2	-1	2	3	-1	-1	-3	0	-6	0	7
Bulgaria	-1	3	-5	4	-7	2	-3	-2	1	3	4	-1
Czech Republic	3	3	-1	2	-6	1	0	1	0	1	4	-8
Estonia	-8	-10	0	-1	4	0	4	7	0	3	0	2
Cyprus												
Latvia	-4	3	1	7	-17	5	-2	6	3	6	3	-12
Lithuania	-8	-4	-4	3	14	9	-9	0	-1	-2	2	1
Hungary	5	-1	-2	2	-2	-3	0	7	-4	-2	2	-2
Malta												
Poland												
Romania	6	2	3	0	-42	-16	6	10	3	22	7	0
Slovenia	2	0	0	-5	13	-6	-1	-5	-2	8	-5	1
Slovakia	4	3	-4	-1	8	6	-5	-10	-2	8	6	-12

Source: Alphametrics/Eurostat/TNO

8. Occupations and gender

Table 8.1 Share of males in employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2006 (in %)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	59	67	84	74	52	49	26	56	74	89	70	42	55
EU 6	59	66	84	81	53	49	30	65	80	84	69	86	49
EU9	61	67	86	64	54	54	20	37	74	91	77	80	69
EU15	60	67	85	75	53	51	26	59	77	87	73	84	55
NMS	54	70	80	73	42	38	27	52	56	96	64	75	43
Belgium	63	70	89	81	44	63	28	19	77	98	68	78	68
Germany	56	74	80	83	47	45	28	51	80	86	54	84	48
France	60	46	100	82	45	54	31	13	84	80	66	92	40
Italy	64	75	86	77	87	46	33	69	79	83	72	78	74
Luxemb.													
Netherl.	66	73	80	83	59	58	35	71	67	78	88	94	58
Denmark	59	69	65	48	51	58	23	50	88		67	0	49
Ireland	66	66	81	69	52	63	24	54	83	92	56	80	74
Greece	64	83	100	42	90	54	39	34	76	100	77	100	78
Spain	67	81	88	69	61	54	27	56	77	100	77	92	58
Austria	54	79	58	80	34	45	16	26	64	100	89	100	54
Portugal	58	43	80	53	47	36	52	100	59	100	78	100	46
Finland	50	62	86	71	25	42	10	0	36	100	66	56	72
Sweden	59	45	84	77	60	53	30	35	63	62	81	68	69
UK	59	65	90	81	53	57	13	31	75	88		72	75
Bulgaria	45	61	81	100	22	25	40	100	33	100	55	92	61
Czech Rep.	56	70	82	31	58	48	23	0	70	98	61	51	0
Estonia	46	69			41	45		46	39		0	0	0
Cyprus													
Latvia	52	39	74	38	19	35	38	0	67	100	61	100	55
Lithuania	50	84		35	0	70	0		71	100	100	100	36
Hungary	53	70	100	100	49	31	42	46	50	100	60	65	55
Malta													
Poland	57	75	79	89	43	30	33	58	60	100	71	87	43
Romania	51	66	52	42	100	40	14	58	45	83	56	100	61
Slovenia	57	57	60	100	29	53	39	23	8	20	70	100	65
Slovakia	44	71	100	25	62	20	23	100	50	100	56	49	49

Source: Alphametries/Eurostat/TNO

Table 8.2 Change in share of males in employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2000-2006 (in %)

	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers	Total
EU	-4	7	-5	-11	-2	-3	8	-4	2	-7	9	8	-2
EU 6	-6	2	1	-13	-3	-2	11	1	0	-8	13	5	-2
EU 9	-5	15	-21	-9	1	-6	-4	-5	1	-3	6	13	-3
EU 15	-5	7	-7	-9	-1	-3	9	-2	1	-6	11	7	-2
NMS	1	9	16	0	-9	0	13	-2	2	5	0	17	5
Belgium	-5	8	-19	-45	16	-10	-31	5	-2	-12	17	12	0
Germany	-2	-7	-2	-2	1	2	19	0	-4	-1	8	6	0
France	-9	15	9	-24	-7	9	-24	15	0	-12	21	-2	-3
Italy	-1	26	-23	8	-12	-15	31	-1	2		7	6	-6
Luxembourg													
Netherlands	-9	3	0	-8	6	-4	7	-10	19	-7	19	-4	0
Denmark	-2	9	-52	-34	-1	23	50	2		13	-76	-19	-7
Ireland	2	14	-31	-11	-5	-6	20	-3	-8	-21	8	10	-2
Greece	2	0	-16	-10	15	-8	-66	7	0	-7	25	42	5
Spain	-6	25	-15	-11	10	-3	-1	-8	23	4	5	-8	-2
Austria	12	-26	-20	0	-25	-16	-59	-24	34	62	25	8	-11
Portugal	-43	-10	-21	-11	-11	12	61	-16	0	-1	0	-33	-9
Finland	-5	2	-14	3	-12	-5		-24	0	-13	-28	38	-7
Sweden	-40	-16	-23	2	-3	22	-37	-10	-38	-1	-18	41	-5
United Kingdom	-3	25	-3	-8	2	-10	-1	-1	0		8	24	-2
Bulgaria	-28		50	22	-14	28	48	-7	43	0	-8	40	2
Czech Republic	-16	22	-49	2	-11	-8	0	5	11	10	-12	-13	1
Estonia	27			41	-3			-15					1
Cyprus													
Latvia	-61	-26	38		24	38	-100	-16		61	0	-14	7
Lithuania	16		3	0	6	0		-19	0	0		36	-4
Hungary	18	8	57	-38	-16	31	7	2	0	-1	14	3	3
Malta													
Poland													
Romania	-34				-7	-25						61	8
Slovenia	10	-8	19	-23	-2	13	23	-51	-80	-2	20	-9	0
Slovakia	0	0	-45	16	-23	23	50	6	0	-2	-51	10	-5

Source: Alphametrics/Eurostat/TNO

Table 8.3 Share of females in employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2006 (in %)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	41	33	16	26	48	51	74	44	26	11	30	18	45
EU 6	41	34	16	19	47	51	70	35	20	16	31	14	51
EU9	39	33	14	36	46	46	80	63	26	9	23	20	31
EU15	40	33	15	25	47	49	74	41	23	13	27	16	45
NMS	46	30	20	27	58	62	73	48	44	4	36	25	57
Belgium	37	30	11	19	56	37	72	81	23	2	32	22	32
Germany	44	26	20	17	53	55	72	49	20	14	46	16	52
France	40	54	0	18	55	46	69	87	16	20	34	8	60
Italy	36	25	14	23	13	54	67	31	21	17	28	22	26
Luxemb.													
Netherl.	34	27	20	17	41	42	65	29	33	22	12	6	42
Denmark	41	31	35	52	49	42	77	50	12		33	100	51
Ireland	34	34	19	31	48	37	76	46	17	8	44	20	26
Greece	36	17	0	58	10	46	61	66	24	0	23	0	22
Spain	33	19	12	31	39	46	73	44	23	0	23	8	42
Austria	46	21	42	20	66	55	84	74	36	0	11	0	46
Portugal	42	57	20	47	53	64	48	0	41	0	22	0	54
Finland	50	38	14	29	75	58	90	100	64	0	34	44	28
Sweden	41	55	16	23	40	47	70	65	37	38	19	32	31
UK	41	35	10	19	47	43	87	69	25	12		28	25
Bulgaria	55	39	19	0	78	75	60	0	67	0	45	8	39
Czech Rep.	44	30	18	69	42	52	77	100	30	2	39	49	100
Estonia	54	31			59	55		54	61		100	100	100
Cyprus													
Latvia	48	61	26	62	81	65	62	100	33	0	39	0	45
Lithuania	50	16		65	100	30	100		29	0	0	0	64
Hungary	47	30	0	0	51	69	58	54	50	0	40	35	45
Malta													
Poland	43	25	21	11	57	70	67	42	40	0	29	13	57
Romania	49	34	48	58	0	60	86	42	55	17	44	0	39
Slovenia	43	43	40	0	71	47	61	77	92	80	30	0	35
Slovakia	56	29	0	75	38	80	77	0	50	0	44	51	51

Source: Alphametrics/Eurostat/TNO

Table 8.4 Change in share of females in employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2000-2006 (in %)

	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers	Total
EU	4	-7	5	11	2	3	-8	4	-2	7	-9	-8	2
EU 6	6	-2	-1	13	3	2	-11	-1	0	8	-13	-5	2
EU 9	5	-15	21	9	-1	6	4	5	-1	3	-6	-13	3
EU 15	5	-7	7	9	1	3	-9	2	-1	6	-11	-7	2
NMS	-1	-9	-16	0	9	0	-13	2	-2	-5	0	-17	-5
Belgium	5	-8	19	45	-16	10	31	-5	2	12	-17	-12	0
Germany	2	7	2	2	-1	-2	-19	0	4	1	-8	-6	0
France	9	-15	-9	24	7	-9	24	-15	0	12	-21	2	3
Italy	1	-26	23	-8	12	15	-31	1	-2		-7	-6	6
Luxembourg													
Netherlands	9	-3	0	8	-6	4	-7	10	-19	7	-19	4	0
Denmark	2	-9	52	34	1	-23	-50	-2		-13	76	19	7
Ireland	-2	-14	31	11	5	6	-20	3	8	21	-8	-10	2
Greece	-2	0	16	10	-15	8	66	-7	0	7	-25	-42	-5
Spain	6	-25	15	11	-10	3	1	8	-23	-4	-5	8	2
Austria	-12	26	20	0	25	16	59	24	-34	-62	-25	-8	11
Portugal	43	10	21	11	11	-12	-61	16	0	1	0	33	9
Finland	5	-2	14	-3	12	5		24	0	13	28	-38	7
Sweden	40	16	23	-2	3	-22	37	10	38	1	18	-41	5
United Kingdom	3	-25	3	8	-2	10	1	1	0		-8	-24	2
Bulgaria	28		-50	-22	14	-28	-48	7	-43	0	8	-40	-2
Czech Republic	16	-22	49	-2	11	8	0	-5	-11	-10	12	13	-1
Estonia	-27			-41	3			15					-1
Cyprus													
Latvia	61	26	-38		-24	-38	100	16		-61	0	14	-7
Lithuania	-16		-3	0	-6	0		19	0	0		-36	4
Hungary	-18	-8	-57	38	16	-31	-7	-2	0	1	-14	-3	-3
Malta													
Poland													
Romania	34				7	25						-61	-8
Slovenia	-10	8	-19	23	2	-13	-23	51	80	2	-20	9	0
Slovakia	0	0	45	-16	23	-23	-50	-6	0	2	51	-10	5

Source: Alphametrics/Eurostat/TNO

9. Occupations and level of education

Table 9.1 Share of low educated* in employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2006 (in %)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	22	12	7	10	12	6	22	51	30	21	31	15	49
EU 6	25	10	9	15	13	9	20	73	29	22	32	30	54
EU9	26	18	12	8	15	6	31	24	41	31	52	56	44
EU15	25	14	10	12	14	7	24	63	34	25	40	40	51
NMS	5	0	0	1	1	1	4	9	8	6	8	19	18
Belgium	18	4	2	7	0	4	11	49	23	19	35	59	55
Germany	21	4	4	5	5	4	13	51	13	17	20	24	54
France	22	15	40	26	14	17	29	13	26	0	28	32	38
Italy	31	14	3	7	37	10	26	50	50	71	60	33	81
Luxemb.													
Netherl.	39	12	8	25	23	6	32	82	32	14	38	48	55
Denmark	20	7	9	4	11	3	17	50	15		50	83	82
Ireland	22	10	0	11	11	5	18	16	35	41	39	36	48
Greece	16	20	0	0	0	1	9	0	29	83	30	37	53
Spain	33	21	20	7	15	6	17	36	56	36	61	73	63
Austria	10	4	41	0	12	2	9	17	17	0	13	0	34
Portugal	56	38	67	21	9	6	72	100	75	100	91	84	22
Finland	22	14	0	23	25	9	29	37	30	0	39	37	49
Sweden	20	14	22	16	4	6	21	29	14	48	31	54	60
UK	23	18	5	17	19	6	39	18	32	22		48	35
Bulgaria	4	0	0	0	0	0	0	0	9	7	13	0	0
Czech Rep.	5	0	0	0	0	0	9	0	4	0	4	37	11
Estonia	2	0			0	0		0	9		0	0	0
Cyprus													
Latvia	5	0	0	0	0	0	0	100	4	49	8	0	45
Lithuania	7	0		35	34	0	0		3	100	0	100	0
Hungary	12	0	0	0	0	7	11	0	15	0	37	24	39
Malta													
Poland	3	0	0	0	0	0	0	0	3	0	8	10	23
Romania	3	0	0	0	0	0	4	20	12	8	1	0	6
Slovenia	10	0	0	0	7	4	19	28	29	20	12	58	35
Slovakia	3	0	0	0	0	0	0	0	2	0	7	23	0

Low education (ISCED level 1+2). Source: Alphametrics/Eurostat/TNO

Table 9.2 Change in share of low educated* in employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2000-2006 (in %)

	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers	Total
EU	-1	4	-6	-4	-1	-3	4	-9	-9	-13	-19	-4	-5
EU 6	-1	6	-2	-5	-1	-3	10	-6	-14	-11	-18	6	-3
EU 9	2	6	-11	-2	-3	-1	-6	-5	4	1	-9	-23	-5
EU 15	0	6	-6	-3	-1	-2	12	-5	-7	-6	-16	-3	-4
NMS	0	0	1	-5	1	3	-5	-5	-2	-14	-1	-28	-3
Belgium	-7	2	-24	-37	4	-21	49	-25	-43	6	17	-3	-14
Germany	0	4	-4	-4	-3	2	24	-5	8	-17	-16	9	2
France	5	36	6	-6	5	-5	-8	0	-44	-15	-22	-19	-5
Italy	-9	3	-16	10	-3	1	26	-7	12		-27	10	-10
Luxembourg													
Netherlands	-3	4	5	12	-4	3	-6	1	-18	-12	-11	-8	2
Denmark	7	9	-9	-5	-15	3	14	4		-8	32	17	-7
Ireland	2	0	-9	-5	-2	-6	16	-4	0	-17	1	-9	-3
Greece	20	0	0	0	1	-1	0	3	20	-32	-15	-1	0
Spain	-4	20	7	-13	3	-17	-7	-20	6	-11	-13	-5	-15
Austria	4	-7	0	12	0	5	-54	6	-26	-21	-43	1	-4
Portugal	11	67	-62	-49	-7	5	67	6	0	-3	-16	-64	-3
Finland	8	0	-13	-2	-1	0		0	0	-2	-25	-20	-4
Sweden	-8	-30	-84	4	-9	-9	0	-4	48	-7	-12	-16	-7
United Kingdom	2	5	1	3	-2	3	-3	-5	-1		-13	-31	-3
Bulgaria	0		0	-100	0	0	0	3	7	-1	0	-40	-2
Czech Republic	0	0	0	0	0	9	0	-9	0	-17	37	-23	-3
Estonia	0			0	0			9					2
Cyprus													
Latvia	0	0	0		0	0	100	-48		8	0	45	-4
Lithuania	0		35	34	0	0		3	100	0		0	4
Hungary	0	0	0	0	7	3	0	2	-15	-3	-6	-48	-1
Malta													
Poland													
Romania	0				0	4						-94	-2
Slovenia	0	0	0	-3	-5	13	28	-11	1	-10	-2	-19	-7
Slovakia	0	0	0	0	0	0	-30	-2	0	-5	23	-24	-4

* low education (ISCED level 1+2)

Source: Alphametrics/Eurostat/TNO

Table 9.3 Share of medium educated* employees by occupation in the printing, publishing and recorded media industry (NACE 22), 2006 (in %)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	50	42	40	50	40	39	61	41	61	70	62	60	47
EU 6	50	43	50	48	40	43	65	21	61	68	61	64	42
EU9	42	39	25	43	38	33	48	61	48	56	42	41	50
EU15	47	41	38	45	38	39	58	30	56	64	53	55	45
NMS	67	46	48	69	46	41	81	88	86	91	87	79	76
Belgium	40	24	36	54	23	16	34	37	65	45	50	35	45
Germany	58	47	54	43	52	53	75	41	78	77	73	68	43
France	39	29	0	33	33	19	58	41	34	81	65	63	54
Italy	53	59	67	75	39	55	58	40	48	22	40	67	19
Luxemb.													
Netherl.	38	44	62	38	20	37	49	16	53	86	59	51	39
Denmark	52	59	22	85	51	42	57	50	79		36	0	17
Ireland	46	43	0	43	21	40	54	52	55	37	47	49	17
Greece	62	60	0	67	2	56	90	100	60	8	67	63	47
Spain	26	28	7	13	23	19	35	30	29	56	29	21	25
Austria	72	73	32	100	56	58	90	74	80	74	86	100	61
Portugal	18	26	33	33	14	19	24	0	18	0	9	16	41
Finland	43	22	35	39	36	37	55	63	64	66	59	63	49
Sweden	55	31	45	56	62	53	67	59	77	52	62	38	34
UK	44	41	26	42	44	28	44	71	57	64		52	60
Bulgaria	57	19	64	100	20	13	87	35	76	93	75	100	73
Czech Rep.	77	61	45	49	87	65	79	100	95	100	96	63	89
Estonia	48	43			44	25		100	78		100	100	100
Cyprus													
Latvia	64	61	26	100	56	45	60	0	82	51	92	87	55
Lithuania	48	0		0	0	14	70		79	0	100	0	87
Hungary	66	48	33	69	49	46	88	100	78	100	59	76	50
Malta													
Poland	66	57	47	79	38	31	77	100	94	91	82	90	71
Romania	69	14	71	50	0	35	94	74	88	92	97	93	94
Slovenia	66	37	60	34	53	59	81	72	71	80	88	42	65
Slovakia	78	48	90	75	100	58	86	100	95	100	93	77	100

*medium educated (ISCED level 3+4)

Source: Alphametrics/Eurostat/TNO

Table 9.4 Change in share of medium educated* employees by occupation in the printing, publishing and recorded media industry (NACE 22), 2000-2006 (in %)

	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers	Total
EU	-2	-12	1	-10	-3	1	0	6	8	12	19	6	1
EU 6	2	-9	-1	-22	-6	1	-12	3	10	8	16	-3	-2
EU 9	-8	-16	-5	-3	-3	0	14	1	-3	-2	13	22	-1
EU 15	-4	-13	-2	-12	-5	1	-7	2	6	5	15	5	-2
NMS	17	-12	7	-7	6	-10	20	7	-1	12	-1	28	10
Belgium	-7	-26	11	-23	4	-4	-13	30	7	-7	-22	24	3
Germany	7	-3	-3	-22	-1	-1	-18	5	1	18	11	-7	-2
France	3	-74	-20	-25	-14	11	-37	-28	25	11	21	12	-8
Italy	2	-33	36	-22	-5	-6	-36	8	-19		27	-10	3
Luxembourg													
Netherlands	-8	27	11	-22	-14	-11	6	-14	18	10	15	20	-6
Denmark	-27	-34	8	-9	9	3	-14	-10		-7	-49	-17	-6
Ireland	1	-32	10	8	-3	-9	-5	-2	-23	9	-7	-20	-3
Greece	20	0	1	-72	-7	17	0	-6	-30	30	15	1	-1
Spain	-7	-6	-9	-12	3	14	22	15	23	7	12	9	7
Austria	9	-9	15	-44	-3	-3	70	-7	7	20	43	-6	-2
Portugal	-32	-67	33	-5	-18	-9	-31	-3	0	3	16	27	-8
Finland	-17	-21	7	11	-7	13		0	-34	8	25	23	-1
Sweden	-24	-3	56	-16	0	-3	-12	9	-48	16	19	23	2
United Kingdom	-6	-11	-8	12	-3	-6	13	0	11		20	30	-1
Bulgaria	-4		69	20	-18	7	-42	1	-7	-2	0	13	2
Czech Republic	22	-31	-41	-13	12	-5	100	7	0	17	-37	23	6
Estonia	1			44	-23			-22					-2
Cyprus													
Latvia	61	26	100		14	-18	-100	33		-8	-13	-12	20
Lithuania	0		0	0	-13	-12		27	-100	0		87	8
Hungary	9	4	-31	-21	9	12	0	-7	15	-1	6	36	1
Malta													
Poland													
Romania	14				7	-6						94	26
Slovenia	-1	-8	-66	-9	29	-7	-28	11	-1	21	2	19	7
Slovakia	-26	-10	-7	47	7	-14	30	-2	0	5	-23	24	-1

*medium educated (ISCED level 3+4)

Source: Alphametrics/Eurostat/TNO

Table 9.5 Share of high educated* employees by occupation in the printing, publishing and recorded media industry (NACE 22), 2006 (in %)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	28	46	53	39	48	55	18	8	10	9	6	3	4
EU 6	25	48	41	37	47	49	16	6	10	10	7	6	3
EU9	33	43	63	49	47	62	21	15	11	13	7	3	6
EU15	28	45	52	42	47	54	18	7	11	11	7	5	4
NMS	27	54	52	30	53	58	15	4	6	3	5	2	5
Belgium	42	72	62	39	76	81	55	14	12	36	15	6	0
Germany	22	48	42	52	43	43	12	8	9	6	7	9	3
France	38	56	60	41	53	64	13	45	40	19	7	6	7
Italy	17	28	29	18	24	36	15	10	2	7	0	0	0
Luxemb.													
Netherl.	23	44	30	37	57	57	19	2	15	0	3	2	6
Denmark	28	34	69	11	38	55	26	0	6		14	17	1
Ireland	32	47	100	46	68	55	28	32	10	22	13	15	35
Greece	22	20	100	33	98	42	1	0	11	9	3	0	0
Spain	41	51	73	80	62	75	48	35	15	8	10	7	12
Austria	19	23	28	0	32	41	2	9	3	26	1	0	5
Portugal	25	36	0	47	78	75	4	0	7	0	0	0	37
Finland	35	64	65	38	40	54	17	0	6	34	2	0	2
Sweden	25	55	33	28	34	40	12	12	9	0	7	8	6
UK	33	42	69	41	37	66	17	11	11	14		0	4
Bulgaria	38	81	36	0	80	87	13	65	15	0	12	0	27
Czech Rep.	18	39	55	51	13	35	13	0	2	0	0	0	0
Estonia	51	57			56	75		0	13		0	0	0
Cyprus													
Latvia	30	39	74	0	44	55	40	0	15	0	0	13	0
Lithuania	45	100		65	66	86	30		18	0	0	0	13
Hungary	22	52	67	31	51	47	1	0	8	0	4	0	12
Malta													
Poland	30	43	53	21	62	69	23	0	3	9	11	0	6
Romania	27	86	29	50	100	65	3	7	0	0	1	7	0
Slovenia	24	63	40	66	40	37	0	0	0	0	0	0	0
Slovakia	19	52	10	25	0	42	14	0	4	0	0	0	0

*high educated (ISCED level 5+6)

Source: Alphametrics/Eurostat/TNO

Table 9.6 Change in share of high educated* employees by occupation in the printing, publishing and recorded media industry (NACE 22), 2000-2006 (in %)

	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers	Total
EU	3	8	5	14	4	2	-5	3	1	1	0	-2	5
EU 6	-1	2	3	26	7	1	2	3	4	3	3	-3	5
EU 9	6	10	16	5	6	2	-8	4	-1	0	-3	1	7
EU 15	4	7	8	15	6	2	-5	4	2	2	0	-2	6
NMS	-17	12	-9	11	-6	7	-15	-2	3	2	2	-1	-7
Belgium	14	23	13	60	-8	25	-36	-5	36	1	6	-21	11
Germany	-7	-1	7	26	5	0	-6	1	-10	-1	5	-3	1
France	-7	38	14	32	9	-5	45	28	19	4	1	7	13
Italy	7	29	-20	12	8	6	10	0	7		0	0	7
Luxembourg													
Netherlands	11	-31	-16	10	18	7	-1	13	0	1	-4	-12	4
Denmark	20	25	1	15	6	-6	0	6		14	17	0	12
Ireland	-4	32	-1	-3	5	15	-11	7	22	7	6	29	6
Greece	-40	0	-1	72	6	-16	0	2	9	3	0	0	1
Spain	11	-14	2	24	-6	3	-15	5	-29	4	1	-5	9
Austria	-13	16	-15	32	3	-2	-16	0	19	1	0	5	7
Portugal	21	0	29	54	25	4	-36	-3	0	0	0	37	11
Finland	9	21	6	-9	7	-13		0	34	-5	0	-4	5
Sweden	32	33	28	12	9	12	12	-5	0	-9	-6	-7	5
United Kingdom	5	7	7	-15	5	3	-9	5	-10		-7	2	5
Bulgaria	4		-69	80	18	-7	42	-4	0	3	0	27	0
Czech Republic	-22	31	41	13	-12	-3	-100	2	0	0	0	0	-2
Estonia	-1			-44	23			13					0
Cyprus													
Latvia	-61	-26	-100		-14	18	0	15		0	13	-33	-16
Lithuania	0		-35	-34	13	12		-30	0	0		-87	-12
Hungary	-9	-4	31	21	-16	-15	0	5	0	4	0	12	0
Malta													
Poland													
Romania	-14				-7	3						0	-24
Slovenia	1	8	66	12	-25	-6	0	0	0	-10	0	0	0
Slovakia	26	10	7	-47	-7	14	0	4	0	0	0	0	5

*high educated (ISCED level 5+6)

Source: Alphametrics/Eurostat/TNO

10. Occupations and age

Table 10.1 Share of younger workers (15-39 years) in employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2006 (in %)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	52	42	73	55	56	53	47	73	51	43	53	47	53
EU 6	49	38	65	45	56	52	46	81	47	54	44	45	50
EU9	52	45	69	61	53	56	45	65	50	30	55	43	58
EU15	50	41	66	51	53	53	46	78	48	47	49	44	52
NMS	58	41	86	72	68	53	55	52	63	37	62	56	59
Belgium	50	50	83	56	58	41	51	8	40	20	56	55	66
Germany	45	32	59	47	42	46	46	21	43	48	48	38	50
France	50	50	73	38	67	59	35	75	51	74	38	50	48
Italy	53	36	78	52	77	56	56	48	50	61	64	51	53
Luxemb.													
Netherl.	57	27	49	35	60	49	39	89	47	18	49	39	48
Denmark	54	29	83	53	65	48	58	100	47		53	17	71
Ireland	59	56	85	74	64	64	64	79	52	52	68	69	49
Greece	60	46	0	91	51	62	69	98	54	77	59	46	39
Spain	55	29	66	72	49	61	60	51	51	42	63	63	68
Austria	55	54	95	44	57	58	55	58	63	57	48	80	47
Portugal	68	49	46	51	59	72	69	0	68	0	71	91	100
Finland	38	30	71	21	27	44	49	39	32	81	31	21	58
Sweden	48	35	48	68	43	50	41	49	37	40	36	42	78
UK	49	48	72	30	56	55	34	72	46	6		25	51
Bulgaria	52	51	92	0	67	38	54	0	62	0	63	41	45
Czech Rep.	51	46	76	35	41	47	43	0	60	40	66	44	9
Estonia	59	78			56	62		54	50		0	0	0
Cyprus													
Latvia	61	39	26	100	56	59	67	100	63	49	34	66	100
Lithuania	61	92		65	100	66	36		70	0	0	100	13
Hungary	50	23	100	69	69	44	51	78	54	0	60	61	25
Malta													
Poland	65	37	92	78	77	54	64	55	72	58	62	51	75
Romania	61	36	100	74	100	60	62	47	72	21	60	76	76
Slovenia	56	46	14	71	40	60	61	23	52	100	64	10	19
Slovakia	64	56	87	100	100	55	65	0	54	55	71	75	100

Source: Alphametrics/Eurostat/TNO

Table 10.2 Change in share of younger workers (15-39 years) in employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2000-2006 (in %)

	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers	Total
EU	-4	1	-2	-4	-2	-4	0	-3	-5	-1	-7	-2	-3
EU 6	-5	1	-3	-4	0	-4	8	-6	6	-15	-7	0	-3
EU 9	-3	-11	-8	-9	-6	-11	-8	-5	-19	4	-15	-9	-5
EU 15	-4	-4	-5	-8	-3	-6	5	-6	-2	-6	-10	-2	-4
NMS	-6	11	22	36	1	16	-14	6	-7	22	19	7	9
Belgium	-35	3	31	21	-10	1	-42	-20	-17	-5	-32	17	-8
Germany	-4	5	14	-13	-4	-1	-21	-5	5	1	-18	1	-3
France	-1	6	-16	3	10	-8	19	1	41	-21	12	-8	-2
Italy	14	-22	-22	12	-2	-5	-14	-7	-1		5	-2	-4
Luxembourg													
Netherlands	-29	-16	-37	-3	-3	-9	5	-9	-37	-18	-22	-4	-4
Denmark	-1	-17	-26	16	-8	9	27	-2		-8	-83	-4	-6
Ireland	1	-15	-6	-4	6	4	-9	-10	-14	6	-5	-1	-3
Greece	7	0	4	24	-11	0	-2	-5	40	-41	26	-27	-3
Spain	-7	-21	5	-27	-16	-13	-23	-2	-28	11	-6	-19	-7
Austria	20	26	44	2	-13	0	18	-5	-6	-10	31	1	-2
Portugal	14	-6	-49	-16	2	11	-75	-7	0	5	13	26	1
Finland	-1	-14	-17	-19	7	8		-27	12	-13	-79	7	-7
Sweden	-6	0	68	-15	-1	-2	-24	-22	40	5	-30	13	0
United Kingdom	-4	-15	-38	-5	-6	-17	-3	-5	-64		-18	-2	-7
Bulgaria	13		-34	67	-14	-2	-53	9	-57	17	-59	45	4
Czech Republic	-13	15	-5	14	0	-1	-100	14	10	46	-1	-23	9
Estonia	-22			56	10			-50					-9
Cyprus													
Latvia	-23	-74	100		4	37	0	-27		-66	66	52	2
Lithuania	92		-35	100	66	-22		-7	0	0		-87	9
Hungary	-8	24	15	-4	-7	5	-22	2	-52	3	41	-21	-2
Malta													
Poland													
Romania	36				5	36						-24	12
Slovenia	-22	-58	7	-20	-2	-3	-23	-1	35	9	-13	-5	-1
Slovakia	11	87	74	100	6	28	-20	-5	-13	14	16	44	16

Source: Alphametrics/Eurostat/TNO

Table 10.3 Share of workers (40-49 years) in employment by in the printing, publishing and recorded media industry (NACE 22), 2006 (in %)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	25	28	18	26	24	25	29	15	25	30	27	14	20
EU 6	27	32	26	32	23	28	32	9	28	25	32	29	20
EU9	23	25	18	23	25	20	25	24	24	34	23	23	19
EU15	26	28	23	29	25	25	29	12	26	28	28	26	20
NMS	22	29	8	12	20	23	28	25	18	36	24	17	17
Belgium	29	37	15	26	24	32	30	71	31	45	23	34	8
Germany	26	32	26	23	27	29	27	63	27	26	30	25	19
France	32	34	27	38	21	30	51	0	25	18	35	32	27
Italy	27	24	17	33	13	25	30	27	30	27	14	30	30
Luxemb.													
Netherl.	22	36	46	31	23	27	26	4	28	33	31	25	36
Denmark	19	27	0	14	29	22	11	0	23		14	83	6
Ireland	21	22	12	6	13	20	20	10	24	27	23	27	25
Greece	25	15	0	7	47	24	29	2	29	7	16	43	45
Spain	24	29	34	22	27	26	24	43	23	27	18	11	18
Austria	22	21	5	20	13	22	12	24	25	43	32	11	29
Portugal	17	32	54	49	22	11	11	100	13	0	19	9	0
Finland	30	31	23	38	32	25	32	42	37	19	33	44	24
Sweden	24	19	30	16	28	21	26	29	31	35	30	25	13
UK	23	25	14	46	23	17	29	18	25	43		27	21
Bulgaria	19	41	8	100	7	16	30	0	13	39	7	37	11
Czech Rep.	22	23	19	37	28	26	40	0	13	40	15	14	16
Estonia	21	5			21	18		0	34		61	100	100
Cyprus													
Latvia	26	61	0	0	44	22	16	0	29	51	66	0	0
Lithuania	34	8		35	0	27	64		18	100	100	0	61
Hungary	23	41	0	0	31	14	21	22	18	65	22	29	50
Malta													
Poland	19	33	4	7	17	22	14	13	17	28	29	19	11
Romania	21	19	0	8	0	23	28	48	20	17	24	7	3
Slovenia	26	12	40	0	15	27	14	18	44	0	26	90	81
Slovakia	23	37	13	0	0	34	14	0	23	45	16	17	0

Source: Alphametrics/Eurostat/TNO

Table 10.4 Change in share of workers (40-49 years) in employment by in the printing, publishing and recorded media industry (NACE 22), 2000-2006 (in %)

	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers	Total
EU	2	-6	5	3	1	1	1	-1	-3	-2	-2	-2	0
EU 6	4	-2	8	7	2	1	-2	3	-9	5	-3	-6	1
EU 9	1	2	7	4	1	5	6	-2	3	-5	6	6	1
EU 15	3	-1	7	6	2	3	-2	1	-5	1	1	-2	1
NMS	-5	-17	-9	-34	-2	-14	7	-5	5	-16	-29	-10	-8
Belgium	33	-5	-36	-11	1	-8	21	7	-17	8	22	-12	1
Germany	9	-11	-15	6	3	1	28	4	-20	-15	-3	-5	0
France	2	3	22	6	3	17	-13	-2	-11	9	-9	-15	5
Italy	-16	17	21	9	0	1	13	4	1		-10	15	1
Luxembourg													
Netherlands	11	17	22	3	1	-13	-1	-2	33	22	4	2	-1
Denmark	13	0	5	29	8	-3	0	2		0	83	-8	4
Ireland	2	12	-4	-7	4	0	6	4	16	-4	14	9	3
Greece	-12	-100	0	-2	9	7	2	2	-37	16	-36	29	1
Spain	-4	21	0	8	15	9	18	-9	27	-21	0	15	0
Austria	-21	-26	-17	-3	13	-21	-37	4	13	-11	-18	-13	-7
Portugal	14	54	49	22	-3	-9	100	-2	-39	-11	9	-8	2
Finland	0	9	7	-1	-2	-3		10	-12	-4	44	4	1
Sweden	-21	-21	-41	7	-4	4	2	18	35	7	10	13	0
United Kingdom	3	1	30	0	-4	8	0	-1	33		8	6	1
Bulgaria	13		48	-93	-20	6	-23	-5	39	-22	37	-11	-10
Czech Republic	9	-20	37	-15	0	21	0	-11	-18	-40	-19	-17	-7
Estonia	5			-79	18			34					6
Cyprus													
Latvia	23	0	-100		-15	-54	0	19		66	-100	-52	-12
Lithuania	-40		35	0	0	22		18	100	0		61	14
Hungary	-3	-24	-46	4	-20	-6	22	-15	49	0	-31	22	-7
Malta													
Poland													
Romania	-81				1	-28						3	-9
Slovenia	-20	12	-15	-14	16	-17	-36	5	-35	2	21	50	-3
Slovakia	-18	-87	-17	-100	4	-11	-53	-5	13	-26	17	-36	-13

Source: Alphametrics/Eurostat/TNO

Table 10.5 Share of older workers (50+ years) in employment by occupation in the printing, publishing and recorded media industry (NACE 22), 2006 (in %)

	TOTAL	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers
EU	24	30	9	20	20	22	25	12	24	27	21	29	27
EU 6	23	30	9	23	21	20	22	10	25	21	24	26	30
EU9	25	30	12	16	22	24	30	11	26	37	22	35	23
EU15	24	30	10	20	22	21	25	9	25	26	23	30	28
NMS	20	30	6	16	11	25	18	23	19	27	14	27	24
Belgium	21	14	2	18	18	27	20	20	29	35	21	11	26
Germany	29	36	15	30	31	25	27	17	29	27	22	37	31
France	17	16	0	24	12	11	14	25	24	7	26	19	25
Italy	19	40	5	15	11	19	14	24	19	11	22	18	16
Luxemb.													
Netherl.	21	37	5	34	17	24	34	7	25	49	21	35	16
Denmark	27	43	17	33	7	30	31	0	30		33	0	23
Ireland	19	21	4	20	23	17	16	11	24	21	9	4	26
Greece	15	39	100	2	2	14	3	0	18	15	26	10	16
Spain	21	42	0	6	24	13	16	6	26	31	19	26	13
Austria	23	25	0	36	29	21	33	18	11	0	20	9	24
Portugal	15	19	0	0	19	17	19	0	18	100	10	0	0
Finland	32	39	6	41	41	31	19	19	32	0	36	35	18
Sweden	28	46	22	16	29	28	33	22	32	25	33	33	9
UK	28	27	13	25	21	28	37	10	29	50		48	28
Bulgaria	29	9	0	0	26	45	15	100	25	61	31	22	44
Czech Rep.	27	30	5	28	31	28	17	100	27	21	19	42	75
Estonia	20	17			24	19		46	16		39	0	0
Cyprus													
Latvia	14	0	74	0	0	20	17	0	7	0	0	34	0
Lithuania	6	0		0	0	7	0		12	0	0	0	26
Hungary	27	36	0	31	0	43	28	0	27	35	18	9	25
Malta													
Poland	16	29	4	14	6	24	22	32	11	14	10	30	15
Romania	18	45	0	18	0	17	10	5	8	62	16	17	21
Slovenia	18	42	46	29	45	13	25	59	4	0	10	0	0
Slovakia	13	7	0	0	0	12	21	100	23	0	12	7	0

Source: Alphametrics/Eurostat/TNO

Table 10.6 Change in share of older workers (50+ years) in employment by in the printing, publishing and recorded media industry (NACE 22), 2000-2006 (in %)

	Managers	Computer professionals	Architects/engineers	Business/finance prof.	Other professionals	Office clerks and secretaries	Service workers	Craft printing workers	Other craft workers	Printing/binding machine operators	Machine operators/assemblers	labourers	Total
EU	2	4	-3	0	1	3	-1	4	7	2	9	5	2
EU 6	0	1	-5	-3	-2	3	-6	3	4	9	10	6	2
EU 9	2	10	2	5	5	6	2	7	16	1	9	3	5
EU 15	1	5	-2	2	1	4	-3	5	8	6	9	4	3
NMS	10	6	-14	-3	1	-2	7	-1	2	-6	10	3	-1
Belgium	3	2	5	-10	9	6	20	14	35	-3	11	-5	6
Germany	-5	5	1	7	1	0	-7	2	15	13	20	5	3
France	-1	-9	-7	-8	-12	-9	-5	1	-30	12	-3	23	-3
Italy	2	5	1	-21	2	5	1	3	0		6	-13	2
Luxembourg													
Netherlands	18	-1	15	0	2	23	-4	11	4	-3	18	2	5
Denmark	-12	17	21	-45	0	-6	-27	0		8	0	12	2
Ireland	-3	4	10	11	-10	-4	3	6	-1	-2	-9	-7	0
Greece	6	100	-5	-22	2	-7	0	3	-3	26	10	-1	2
Spain	10	0	-5	19	1	4	6	12	1	9	6	4	7
Austria	1	0	-27	1	0	20	18	1	-7	20	-13	12	9
Portugal	-28	-48	0	-6	2	-2	-25	9	39	6	-22	-19	-3
Finland	1	6	10	20	-5	-5		17	0	17	35	-12	6
Sweden	27	22	-27	8	5	-2	22	4	-75	-12	20	-26	0
United Kingdom	1	13	8	5	11	9	3	5	32		10	-3	6
Bulgaria	-25		-14	26	34	-4	76	-4	18	5	22	-35	6
Czech Republic	4	5	-32	2	0	-19	100	-3	8	-6	19	40	-2
Estonia	17			24	-29			16					4
Cyprus													
Latvia	0	74	0		11	17	0	7		0	34	0	10
Lithuania	-51		0	-100	-66	0		-11	-100	0		26	-22
Hungary	11	0	31	0	27	2	0	12	3	-4	-11	-1	9
Malta													
Poland													
Romania	45				-6	-8						21	-2
Slovenia	42	46	8	34	-14	20	59	-4	0	-11	-8	-46	4
Slovakia	7	0	-56	0	-10	-17	72	10	0	12	-34	-9	-3

Source: Alphametrics/Eurostat/TNO