

Annex B

Medium-term forecast of occupational skill needs in Europe: detailed structure of the expected results and data output¹

Individual country results (for each EU-25 Member State, Norway and Switzerland)

- *by sector*
 - employment trends (levels, shares, growth and change over time) by broad sector (6 broad sectors)
 - employment trends (levels, shares, growth and change over time) by industry (16 and 41 industries)
- *by occupation*
 - employment trends by broad occupation (9 groups)
 - employment trends (levels, shares, growth and change over time) by occupation (27 groups)
- *replacement demands and implications for qualifications*
 - replacement demands (levels, shares, growth and change over time) by broad occupation (9 groups)
 - implications for qualifications (levels, shares and change over time) by broad level of qualifications

Results across all EU-25 (i.e. for the whole of Europe)

- *by sector*
 - employment trends (levels, shares, growth and change over time) by broad sector (6 broad sectors)
 - employment trends (levels, shares growth and change over time) by industry (16 and 41 industries)
- *by occupation*
 - employment trends by broad occupation (9 groups)
 - employment trends (levels, shares, growth and change over time) by occupation (27 groups)
- *replacement demands and implications for qualifications*
 - replacement demands (levels, shares, growth and change over time) by broad occupation (9 groups)
 - implications for qualifications (levels, shares and change over time) by broad level of qualifications

Detailed Pan-European results (showing individual country detail)

- *by sector*
 - changes in employment by country (levels, share of EU total and change over time) by broad sector (6 broad sectors)
- *by occupation*
 - occupational employment (levels) by country (10 groups)
 - projected employment (change) by country and occupation (10 groups)
 - projected employment growth by country and occupation (10 groups)
 - projected annual employment growth (10 groups)
- *replacement demands and implications for qualifications*
 - replacement demands (levels) by country and occupation (10 groups)
 - total job opening by country and occupation (10 groups)
 - implications for qualifications (levels, shares and change over time) by broad level of qualifications

¹ The layout of the output as provided here is preliminary and subject to changes in the course of finalisation of the forecast.

Classifications and indicators used for the presentation of the results/outputs:

	Industries	NACE REV 1.1
1	Agriculture etc	01,02,05
2	Coal	10
3	Oil & Gas etc	11,12
4	Other Mining	13,14
5	Food, Drink & Tobacco	15,16
6	Textiles, Clothing & Leather	17,18,19
7	Wood & Paper	20,21
8	Printing & Publishing	22
9	Manufactured Fuels	23
10	Pharmaceuticals	24.4
11	Chemicals nes	24(ex24.4)
12	Rubber & Plastics	25
13	Non-Metallic Mineral Products	26
14	Basic Metals	27
15	Metal Goods	28
16	Mechanical Engineering	29
17	Electronics	30,32
18	Electrical Engineering & Instruments	31,33
19	Motor Vehicles	34
20	Other Transport Equipment	35
21	Manufacturing nes	36,37
22	Electricity	40.1
23	Gas Supply	40.2,40.3
24	Water Supply	41
25	Construction	45
26	Distribution	50,51
27	Retailing	52
28	Hotels & Catering	55
29	Land Transport etc	60,63
30	Water Transport	61
31	Air Transport	62
32	Communications	64
33	Banking & Finance	65,67
34	Insurance	66
35	Computing Services	72
36	Professional Services	70,71,73,74.1-74.4
37	Other Business Services	74.5-74.8
38	Public Administration & Defence	75
39	Education	80
40	Health & Social Work	85
41	Miscellaneous Services	90 to 93,95,99
42	Unallocated	

	Industries (based on NACE)
1	Agriculture etc
2	Mining & quarrying
3	Food, drink & tobacco
4	Engineering
5	Rest of manufacturing
6	Electricity, gas & water
7	Construction
8	Distribution
9	Hotels and catering
10	Transport & telecommunications
11	Banking & insurance
12	Other business services
13	Public admin and defence
14	Education
15	Health and social work
16	Miscellaneous services
	Total - All industries

	Broad sectors
1	Primary sector & utilities
2	Manufacturing
3	Construction
4	Distribution & transport
5	Business & other services
6	Non-marketed services
	Total - All industries

	Occupations (based on ISCO)
1	01 Armed Forces
2	11 Legislators and senior officials
4	13 Managers of small enterprises
5	21 Physical, mathematical and engineering science professionals
6	22 Life science and health professionals
7	23 Teaching professionals
8	24 Other professionals
9	31 Physical and engineering science associate professionals
10	32 Life science and health associate professionals
11	33 Teaching associate professionals
12	34 Other associate professionals
13	41 Office clerks
14	42 Customer services clerks
15	51 Personal and protective services workers
16	52 Models, salespersons and demonstrators
17	61 Skilled agricultural and fishery workers
18	71 Extraction and building trades workers
19	72 Metal, machinery and related trades workers
20	73 Precision, handicraft, craft printing and related trades workers
21	74 Other craft and related trades workers
22	81 Stationary plant and related operators
23	82 Machine operators and assemblers
24	83 Drivers and mobile plant operators
25	91 Sales and services elementary occupations
26	92 Agricultural, fishery and related labourers
27	93 Labourers in mining, construction, manufacturing and transport
	Total - All occupations

	Broad occupations (ISCO)
0	Armed forces
1	Legislators, senior officials and managers
2	Professionals
3	Technicians and associate professionals
4	Clerks
5	Service workers and shop and market sales workers
6	Skilled agricultural and fishery workers
7	Craft and related trades workers
8	Plant and machine operators and assemblers
9	Elementary occupations
	Total - All occupations

	Level of education	ISCED
1	Low	ISCED 0-2
2	Medium	ISCED 3-4
3	High	ISCED 5-6

Levels in thousands (000s)

Shares in percents (%)

Growth in percents per annum (% p.a.)

Change over time in thousands (000s)