

European Foundation for the Improvement of Living and Working Conditions The tripartite EU Agency providing knowledge to assist in the development of better social, employment and work-related policies

Future Jobs; Current Challenges Cedefop 2018 Skills forecast Launch event

8th June, Residence Palace, Brussels

"Projected wage and task structure"

Donald Storrie



To add to the CEDEFOP projections ...

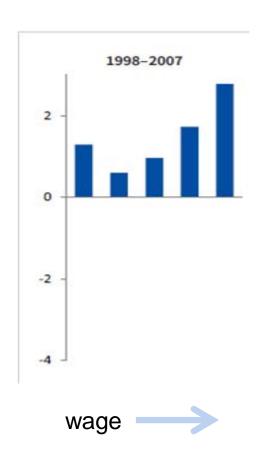
- 1. Wages
- 2. Task content

Examining composition effects

ie impact of changes in occupations in sectors, not changes in the wage structure or the task profile per se

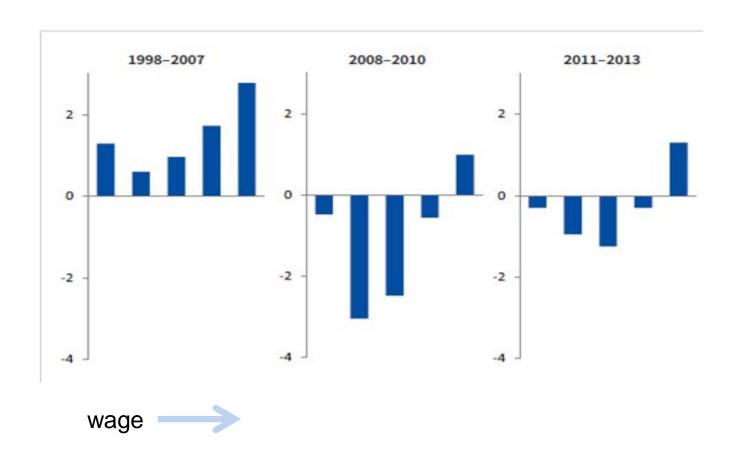


Recent employment growth by job-wage quintile, average annual percentage change



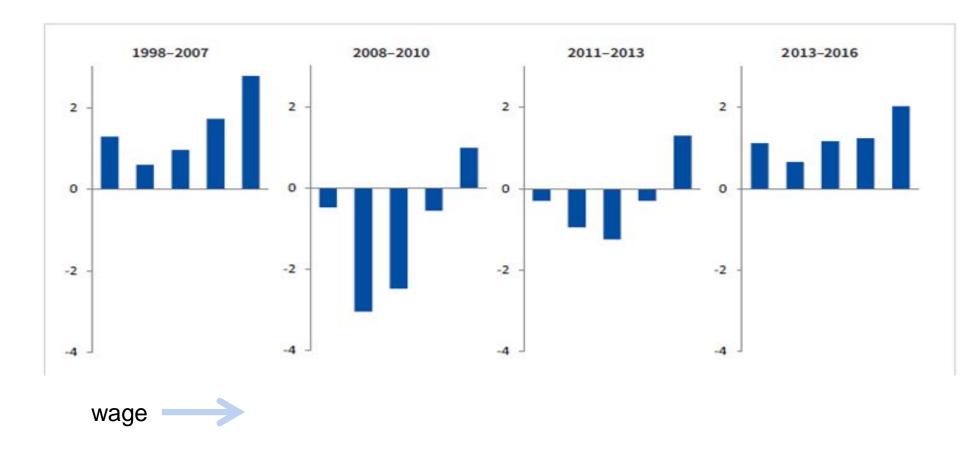


Recent employment growth by job-wage quintile, average annual percentage change



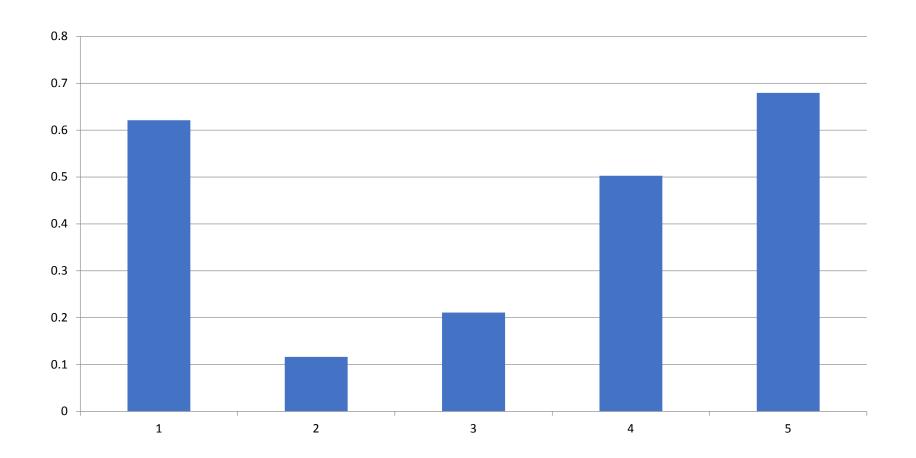


Recent employment growth by job-wage quintile, average annual percentage change





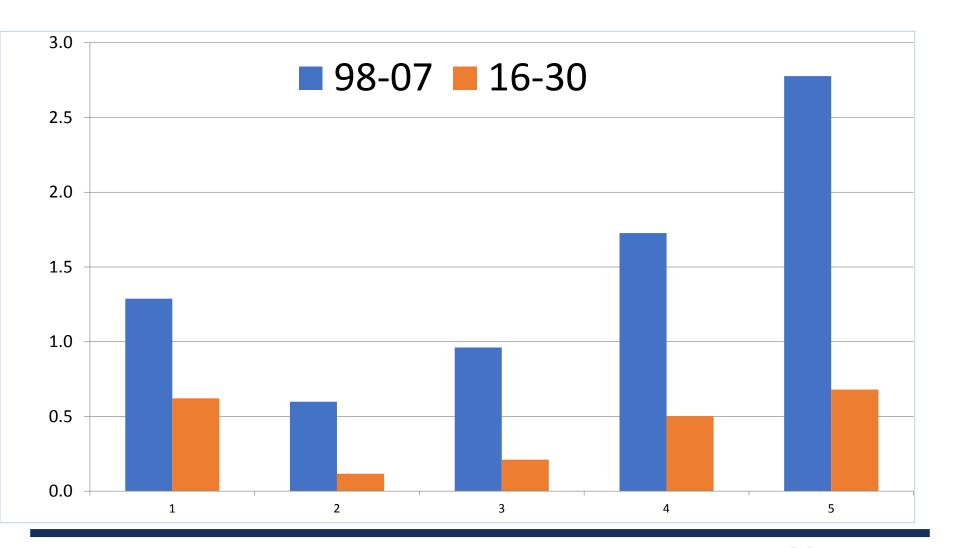
Projected development of employment to 2030 by job-wage quintile, average annual % change







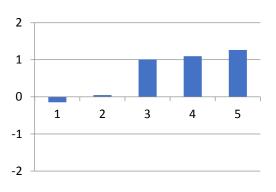
Comparison of recent pre-recession & projected



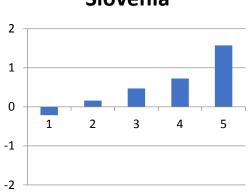


Polarisation in European Union but many (smaller) MS projected to upgrade, for example:

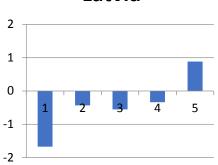
Denmark



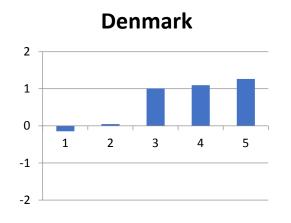
Slovenia

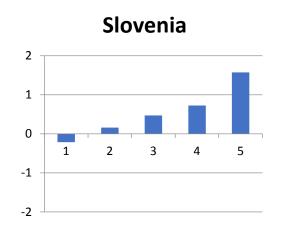


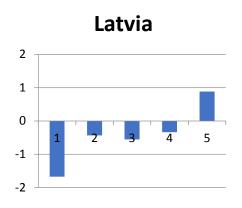
Latvia

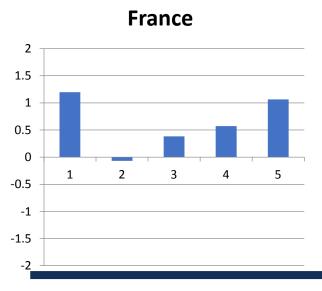


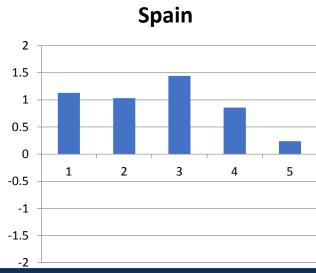
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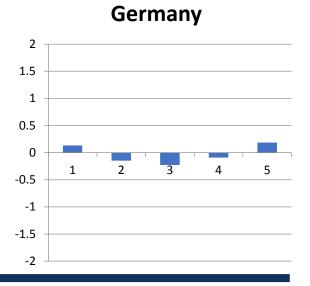










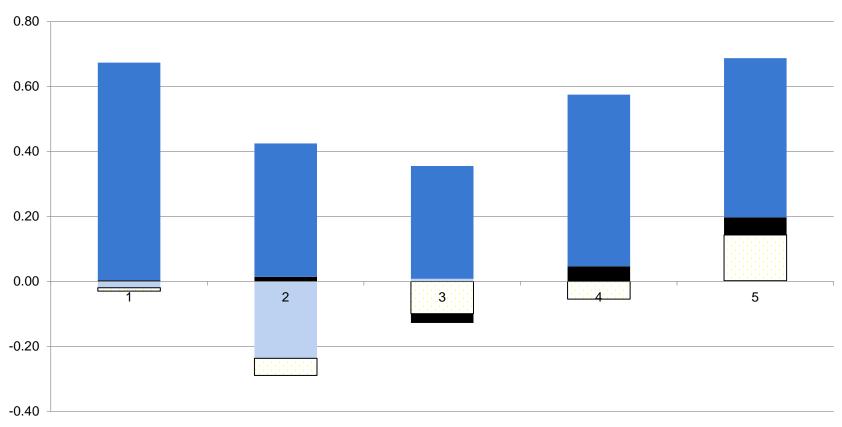






Projected employment growth to 2030 by job-wage quintile, by economic sector.

■ Primary sector □ Industry ■ Construction ■ Services





Manufacturing top ten job growth 2013-2016 occupation in sector, for jobs > 100,000

Change		Level		
000"s	%	2016	Occupation	Sector
31.9	45.5	102.0	Bus & admin profs	machinery and equipment
42.8	41.1	147.0	Plant & machine operators	machinery and equipment
29.0	40.3	101.0	Science & engin. profs	fabricated metal products,
27.7	37.1	102.4	Production managers	machinery and equipment
22.6	28.8	101.0	Science & engin. associated profs	pharmaceutical products
57.7	28.3	261.4	Science & engin. profs	motor vehicles
76.3	27.6	352.9	Science & engin. associated profs	motor vehicles
25.0	25.1	124.7	Science & engin. associated profs	rubber and plastic products
19.6	23.8	102.1	Electrical trades workers	motor vehicles
20.4	23.5	107.2	Science & engin. profs	basic pharmaceutical products



A classification of tasks according to their contents and methods

Content:

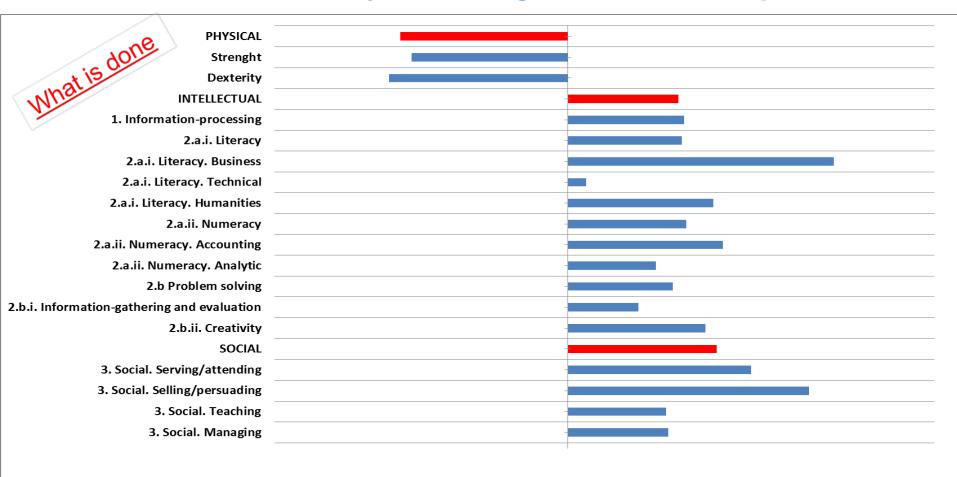
- 1. Physical tasks:
 - a. Strength
 - b. Dexterity
- 2. Intellectual tasks
 - a. Information processing:
 - I. Literacy:
 - i. Business
 - ii. Technical
 - iii. Humanities
 - II. Numeracy:
 - i. Accounting
 - ii. Analytic
 - b. Problem solving:
 - Information gathering & evaluating
 - Creativity & resolution.
- 3. Social tasks:
 - a. Serving/attending
 - b. Teaching/training/coachin g
 - c. Selling/influencing
 - d. Managing/coordinating

Methods and tools of work:

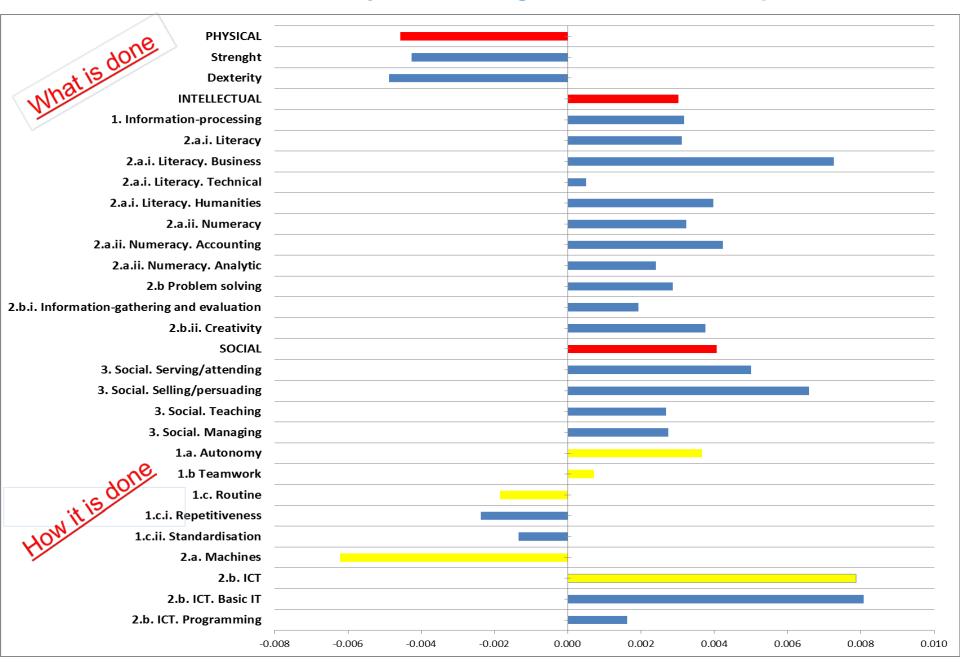
- 1. Methods:
 - a. Autonomy
 - b. Teamwork
 - c. Routine
 - I. Repetitiveness
 - II. Standardization
- 2. **Tools:** type of technology used at work:
 - a. Machines (excluding ICT)
 - b. Information and communication technologies.
 - L. Basic ICT
 - II. Programming



Projected change in task indices up to 2030



Projected change in task indices up to 2030



Key findings

Wages

- a more polarised occupational structure in the European Union
 growth at the bottom of the wage distribution.
- But strong upgrading in Slovenia, Czech Republic, Croatia, Latvia, Estonia, Hungary, Malta, Denmark and Finland

Tasks

- less physical & more intellectual and social tasks
- more business literacy, selling/persuading and serving/attending.
- more ICT skills & some increase in autonomy & decrease in routine work.
- Upgrading of wages & more autonomy, less routine, more ICT, less physical and more social and intellectual tasks is strongest in EU13
- Upwards convergence of the employment structure among Member States.
- But more polarisation within Member States

