Why the OECD Skills for Jobs database?

Technological change  
Demographic changes  
Automation

Changing skill demands

Need for more robust information for policy makers, practitioners, firms and families and individuals
Step 1: Identify what occupations are in high-demand in the labour market
Labour market signals

- Wages
- Hours Worked
- Employment
- Unemployment
- Talent match

2014 2015 2016 2017 2018

ICT professionals

Shortage

Overall economy
Ranking Occupational Imbalances

1. Teaching Professionals
2. Health Professionals
32. Street and Related Sales and Services Workers
33. Cleaners and Helpers
Step 2: Link occupations in high-demand to Skill Requirements
Skills for Jobs Framework

What does it measure?

1. Science and Engineering Professionals
2. Health Professionals
3. Teaching Professionals

1. Shortage / Hard to fill
2. Oral and Written comprehension
3. Complex problem Solving

31. Cleaners and Helpers
32. Building and Related Trades Workers (excluding Electricians)
33. Agricultural, Forestry and Fishery Labourers

Surplus / Easy to fill

Critical Thinking
Physics
ICT

150 Skill dimensions!
What is new with the OECD Skills for Jobs 2018?
“Where” is the Skills for Jobs database?

- Canada, USA, Mexico
- EU (27) + UK + Norway + Turkey
- Peru, Chile, Argentina and Brazil
- Australia, New Zealand
- South Africa
Also, REGIONS!

- **UK**: Wales, Scotland, Northern Ireland, England
- **Belgium**: Brussels, Flanders, and Wallonia
- **Italy**: 20 regions
- **Poland**: 6 regions
- **Hungary**: 3 regions
...and also, **SECTORS**!

1. Education
2. Agriculture, Forestry and Fishing
3. Human Health and Social Work Activities
4. Construction
5. Professional, Scientific and Technical Activities
6. Electricity and Energy Supply; Waste Management
7. Arts, Entertainment and Recreation
8. Other Service Activities
9. Information and Communication
10. Real Estate Activities
11. Public Administration and Social Security
12. Financial and Insurance Activities
13. Transportation and Storage
14. Accommodation and Food Service Activities
15. Mining and Quarrying
16. Manufacturing
17. Wholesale and Retail Trade, Motor Repair...
We love crunching numbers

40 countries  
33 occupational groups  
5 raw sub-indicators  
10 years  
150 Skill-dimensions =

≈ 10 000 000 data points!

Reconstruct classification breaks
Cross-walk from different databases and definitions
Aggregate, weight and standardise different sub-indicators
Fix small sample size issues
Disaggregate at the sectoral, regional level... and much more...