



# Die Digitalisierung als Herausforderung für das Deutsche Bildungssystem

Was ist zu tun?

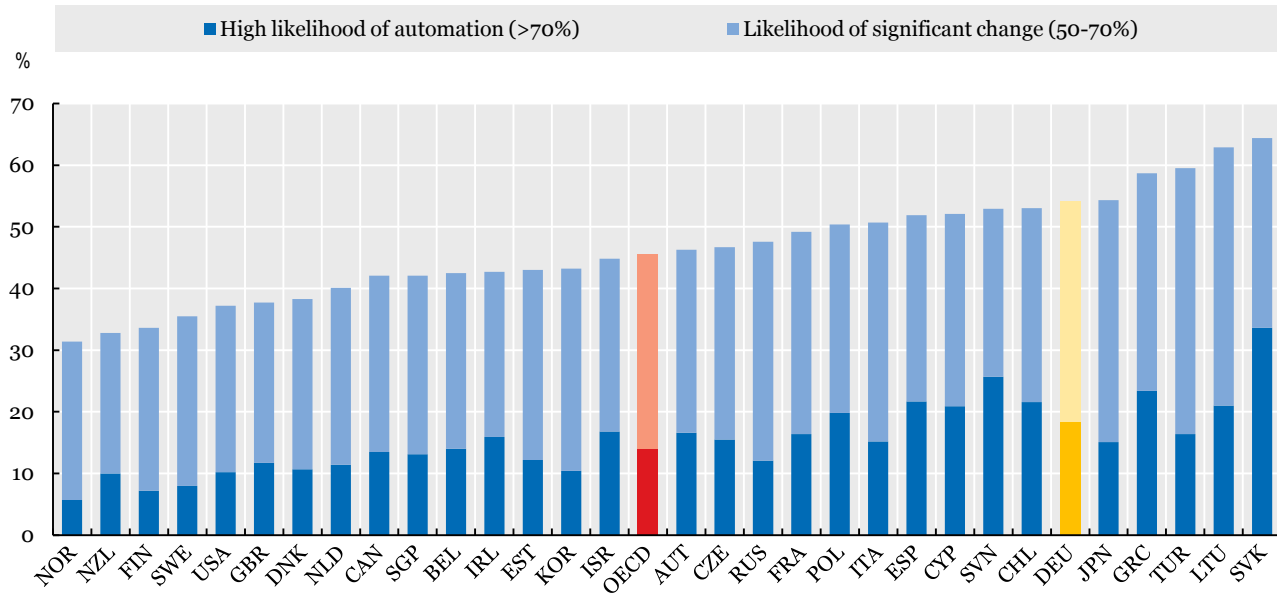
Ludger Schuknecht, OECD



# Our jobs change and require more digital skills

## Almost half of jobs could be affected by automation

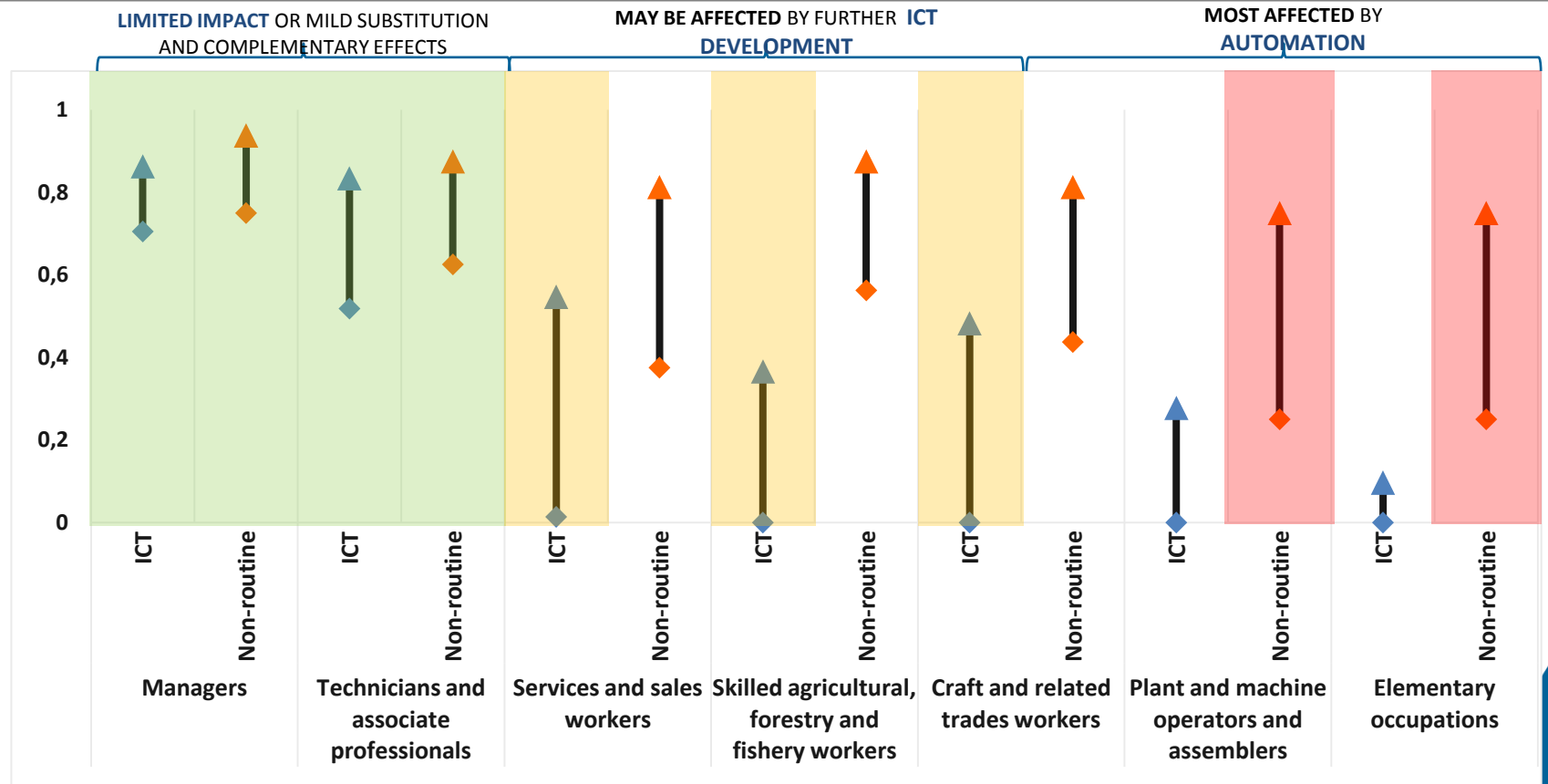
*Percentage of jobs at high risk of automation and at risk of significant change*





# But different impacts across and within job categories

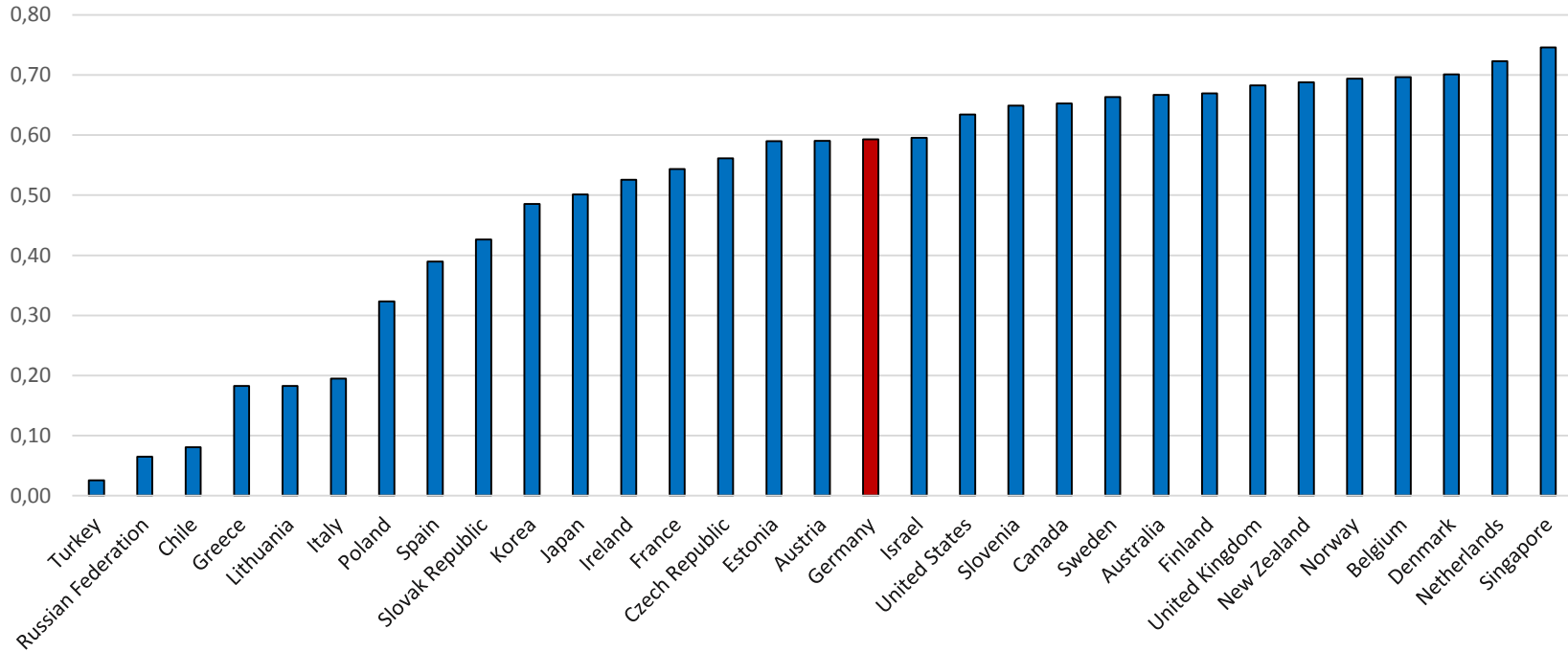
Task intensity





# Germany's economy is going digital, but not quite as quickly as its neighbours'

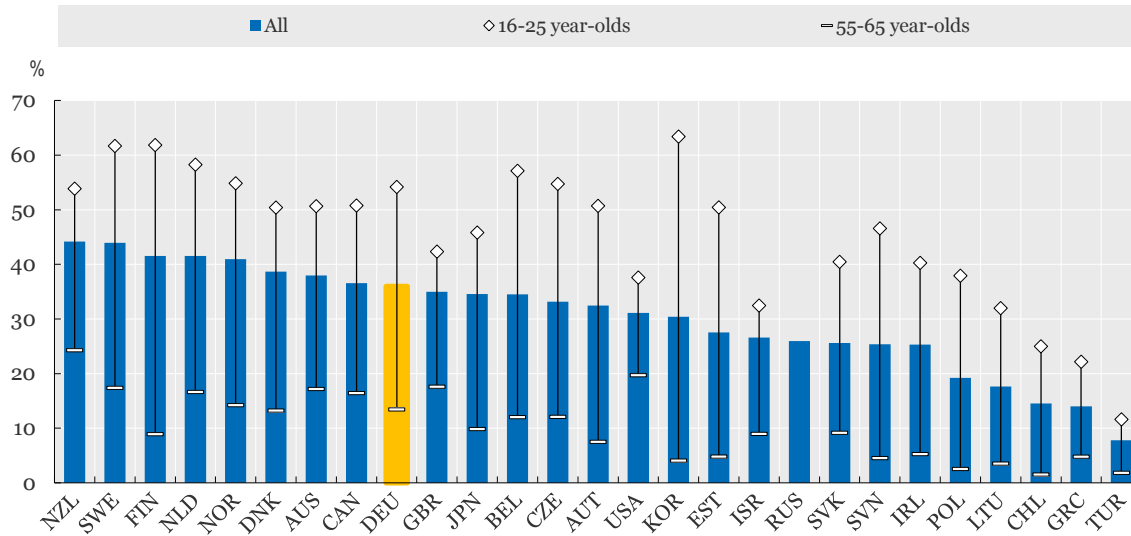
ICT intensity of jobs, based on analysis of worker's tasks





# Many adults lack sufficient problem-solving skills for technology-rich environments

Proficiency in problem solving in technology-rich environments, by age as a percentage of 16-65 year-olds scoring at levels 2 and 3 in each age group, 2012 or 2015



Source: OECD (2019), Measuring the Digital Transformation, <https://dx.doi.org/10.1787/9789264311992-en>, based on OECD calculations based on OECD, Survey of Adult Skills (PIAAC), [www.oecd.org/skills/piaac/publicdataandanalysis](http://www.oecd.org/skills/piaac/publicdataandanalysis) (accessed September 2018).



# Adaptability requires lifelong learning and on the job training

## Participation in on the job training by skill level

Share of workers with low or high literacy skill levels who have participated in on-the-job training over the 12 months before the survey, by country

