

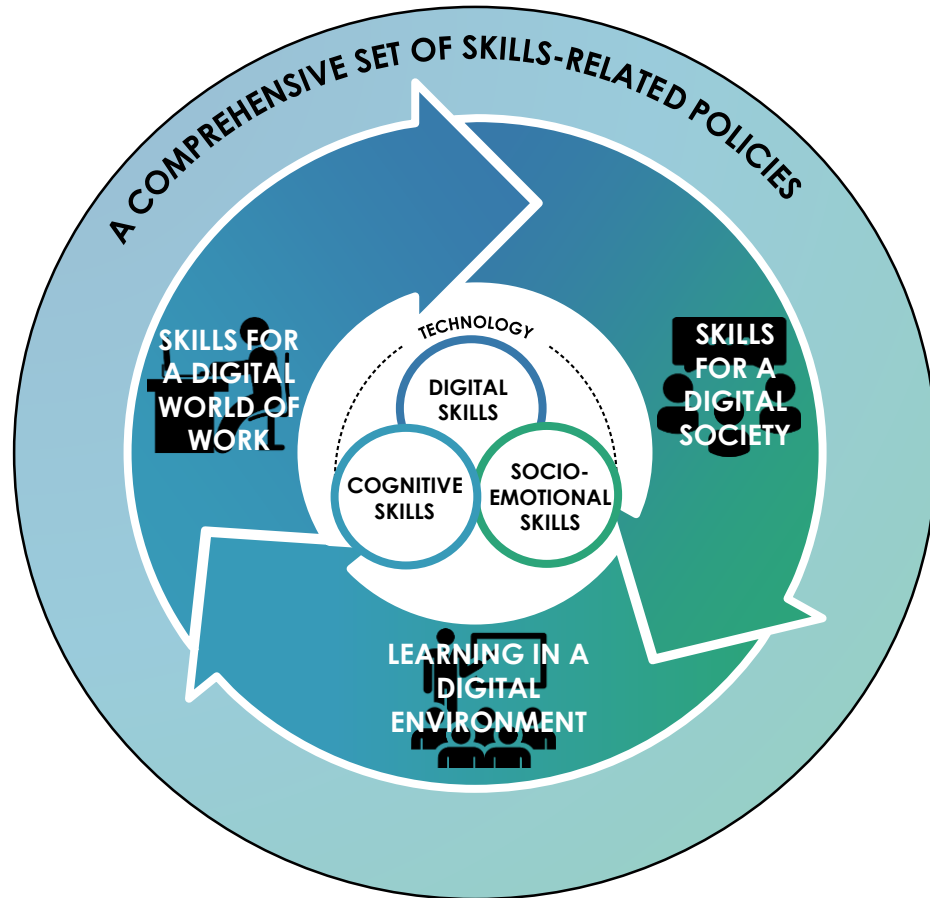
OECD SKILLS OUTLOOK 2019: THRIVING IN A DIGITAL WORLD



Montserrat Gomendio

Head of the OECD Centre for Skills

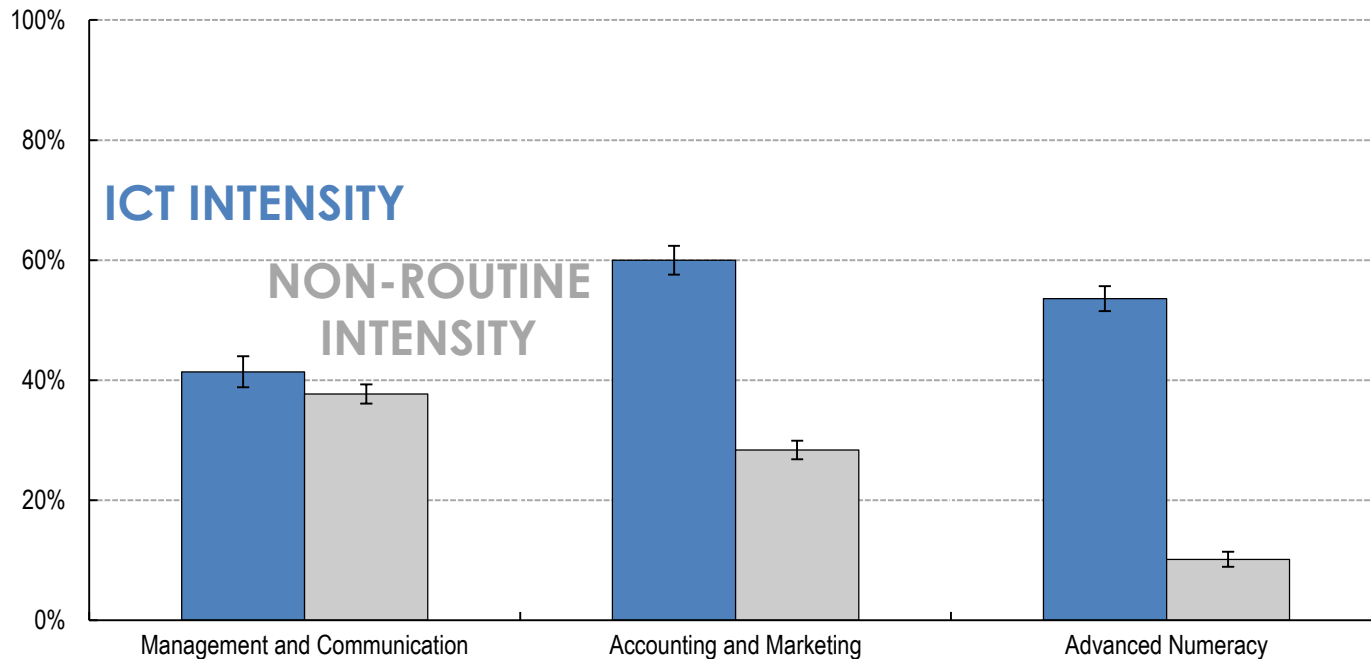
SKILLS FOR A DIGITAL WORLD



SKILLS TO THRIVE IN A DIGITAL WORLD

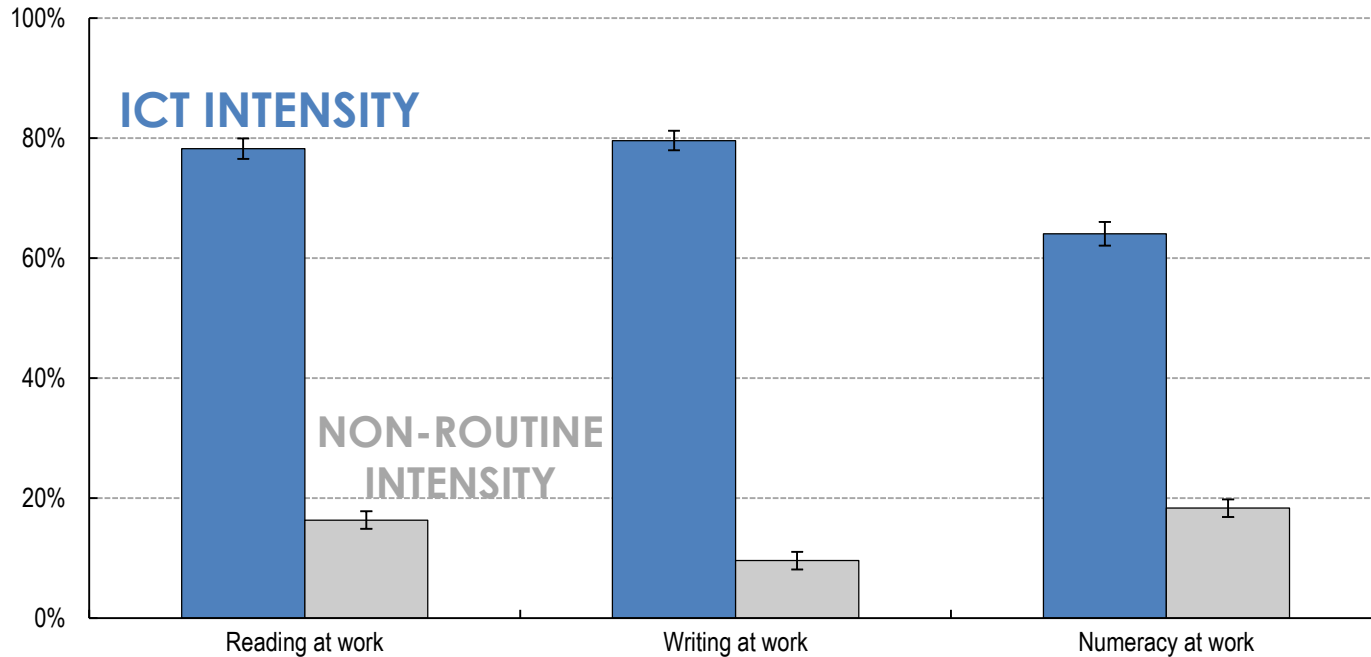
MOST OCCUPATIONS ARE CHANGING AND WORKERS NEED MORE THAN DIGITAL SKILLS TO ADAPT

EXPECTED EFFECT OF INCREASE FROM 50TH TO 75TH PCTILE OF DIGITAL EXPOSURE ON TASK INTENSITY



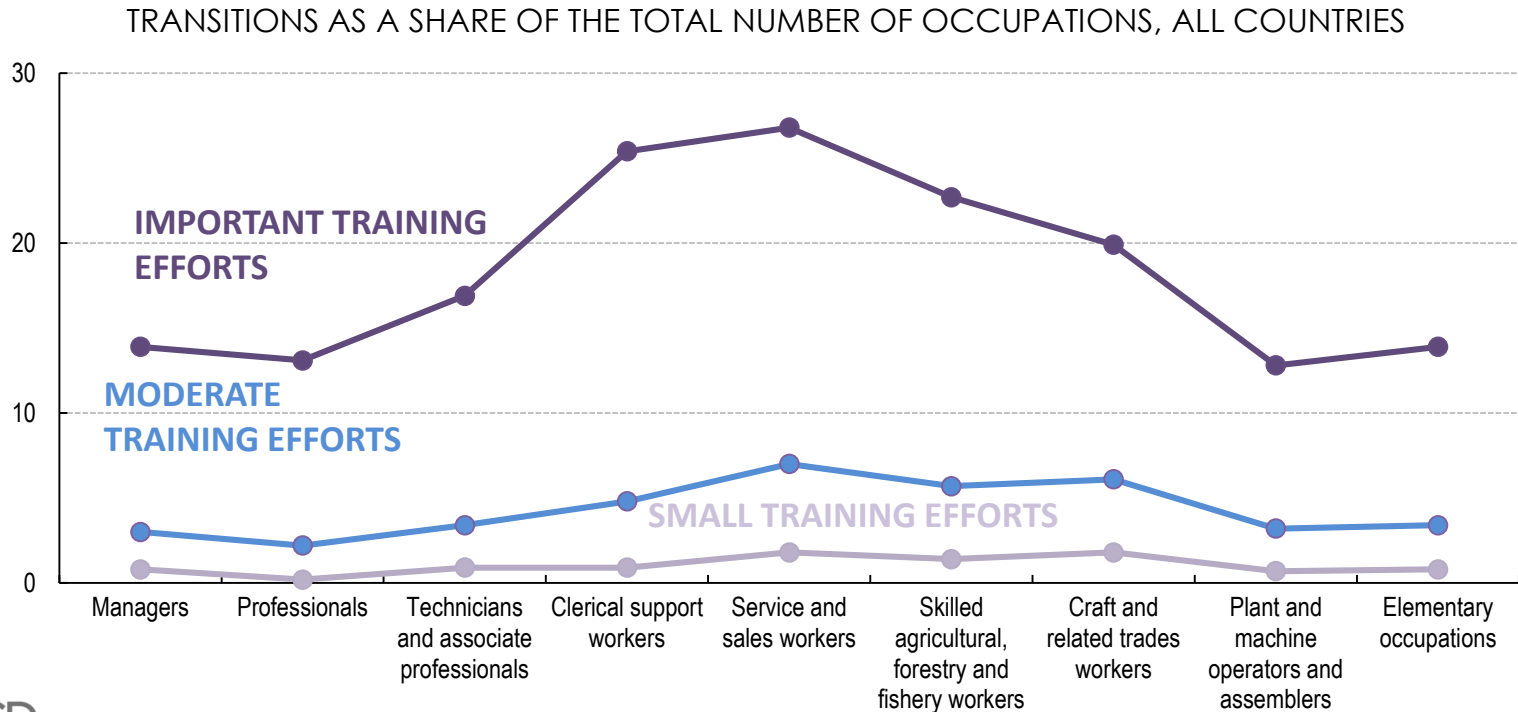
ICT USE AND NON-ROUTINE INTENSITY INCREASE COGNITIVE SKILL USE

EXPECTED EFFECT OF INCREASE FROM 50TH TO 75TH PCTILE OF DIGITAL EXPOSURE
ON COGNITIVE SKILL INTENSITY



TRAINING CAN HELP WORKERS TO BE MOBILE IN A FAST CHANGING LABOUR MARKET

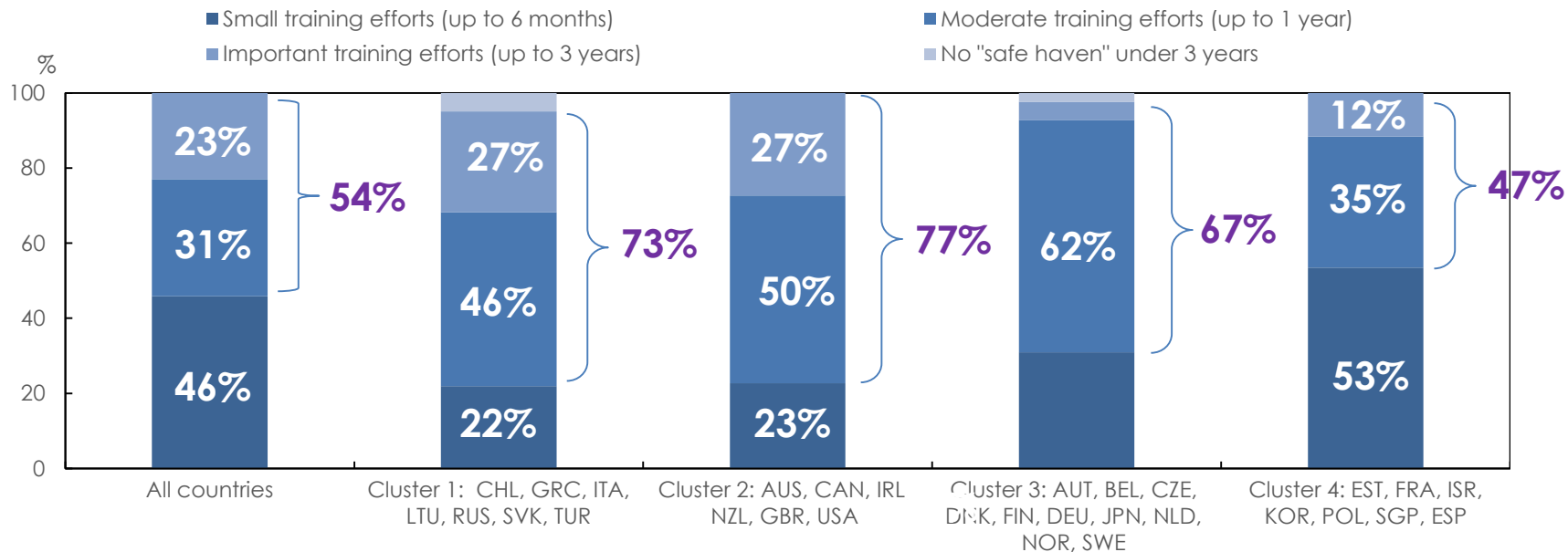
-HIGH AND LOW SKILLED OCCUPATIONS HAVE FEWER ACCEPTABLE TRANSITIONS-



Source: Survey of Adult Skills (2012, 2015)

FOR A MAJORITY OF OCCUPATIONS AT HIGH RISK OF AUTOMATION A MODERATE TO HIGH TRAINING EFFORT IS NEEDED FOR WORKERS TO TRANSITION INTO SAFER JOBS

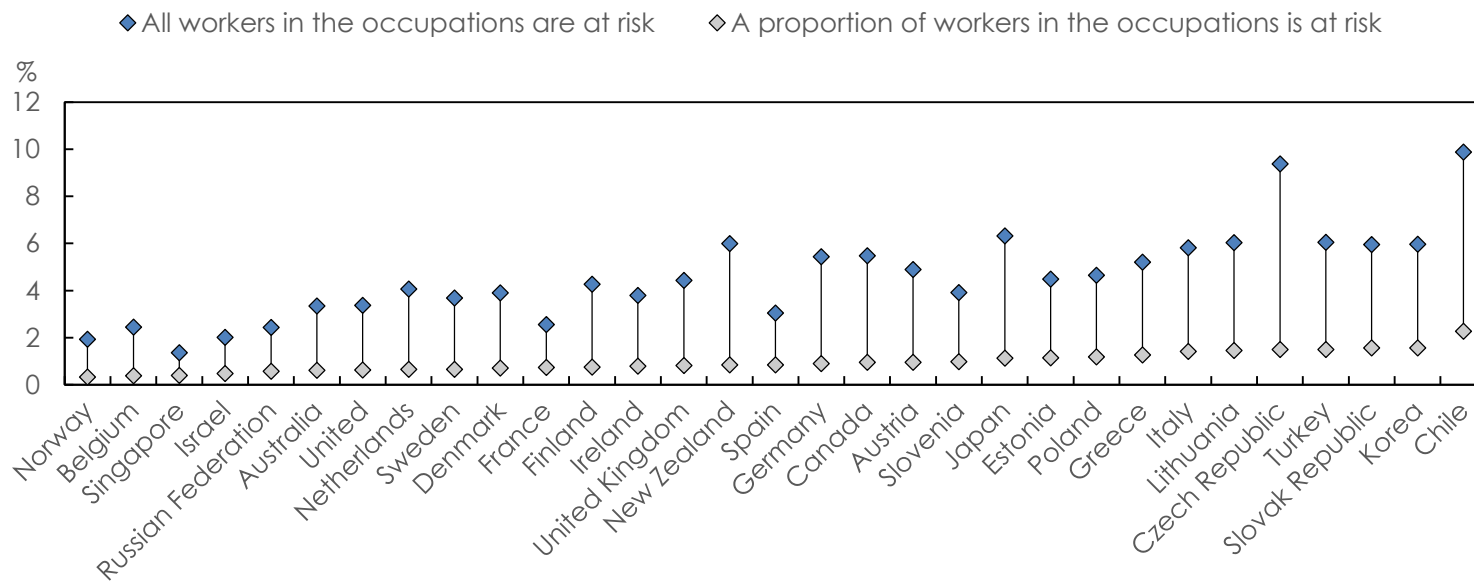
FOR ALL COUNTRIES AND BY CLUSTER, AS A SHARE OF OCCUPATIONS AT HIGH RISK OF AUTOMATION



Source: Survey of Adult Skills (2012, 2015)

THE TRAINING COSTS OF HELPING WORKERS MOVE AWAY FROM A HIGH RISK OF AUTOMATION CAN BE SUBSTANTIAL

% OF GDP, UPPER-BOUND AND LOWER-BOUND ESTIMATES



Source: Survey of Adult Skills (2012, 2015)

WORKERS IN OCCUPATIONS AT HIGH RISK NEED A MIX OF COGNITIVE AND SOFT SKILLS

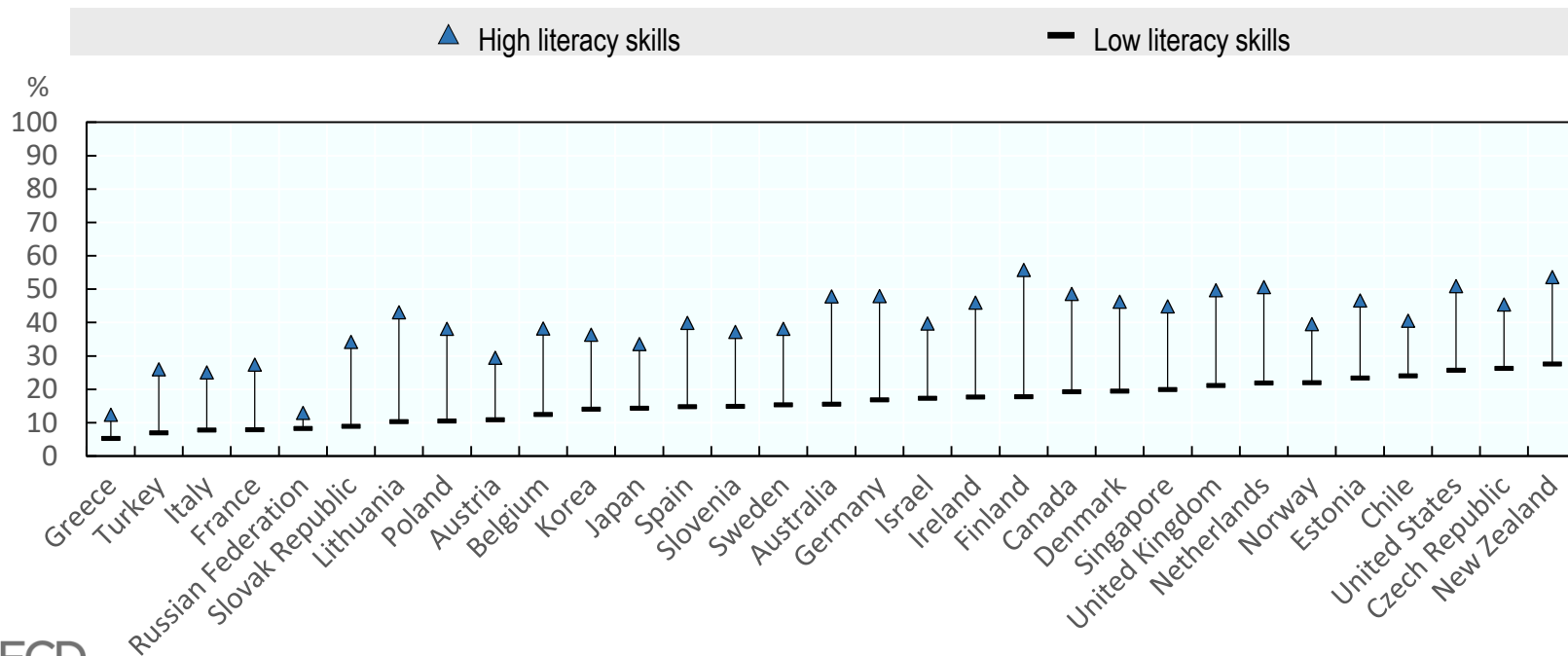
RELATIVE TRAINING EFFORTS INVOLVED IN ACCEPTABLE TRANSITIONS FOR OCCUPATIONS AT HIGH RISK OF AUTOMATION TOWARDS OCCUPATIONS AT LOW OR MEDIUM RISK OF AUTOMATION

Small training efforts  Important training efforts

	ICT skills	Advanced numeracy skills	Accountancy and selling skills	Managing and communication skills	Self-organisation skills
Cluster 1: CHL, GRC, ITA, LTU, RUS, SVK, TUR	16	12	14	29	29
Cluster 2: AUS, CAN, IRL, NZL, GBR, USA	23	13	12	33	19
Cluster 3: AUT, BEL, CZE, DNK, FIN, DEU, JPN, NLD, NOR, SWE	20	7	11	38	24
Cluster 4: EST, FRA, ISR, KOR, POL, SGP, ESP	22	9	15	31	23
All countries	22	10	16	33	20

LESS SKILLED WORKERS ARE LESS LIKELY TO PARTICIPATE IN TRAINING

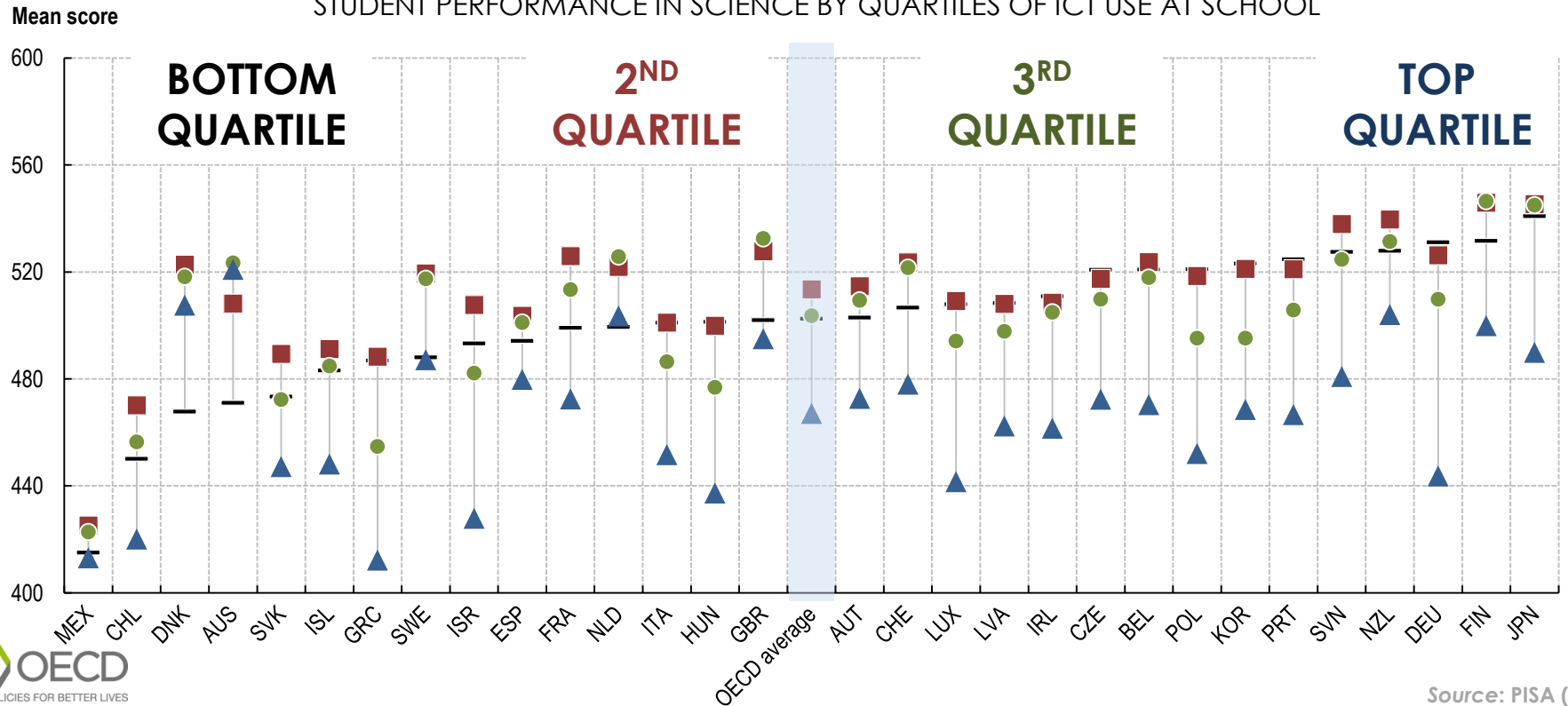
SHARE OF WORKERS WHO PARTICIPATED IN ON-THE-JOB TRAINING IN THE PREVIOUS YEAR
BY LITERACY SKILL LEVEL (%)



MAKING THE MOST
OF TECHNOLOGY
FOR LEARNING

ICT USE AT SCHOOL DOES NOT NECESSARILY MEAN HIGHER STUDENT PERFORMANCE

STUDENT PERFORMANCE IN SCIENCE BY QUARTILES OF ICT USE AT SCHOOL

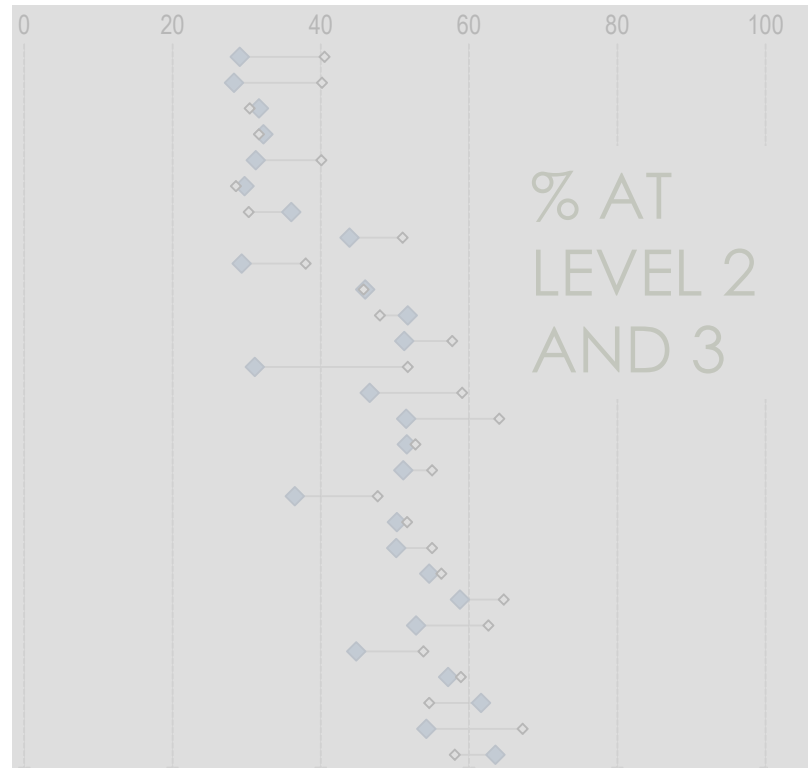


TEACHERS ARE LESS LIKELY TO BE TOP PERFORMERS IN PROBLEM-SOLVING SKILLS

TEACHERS' AND TERTIARY EDUCATED WORKERS' PROBLEM SOLVING IN TECHNOLOGY-RICH ENVIRONMENT PROFICIENCY

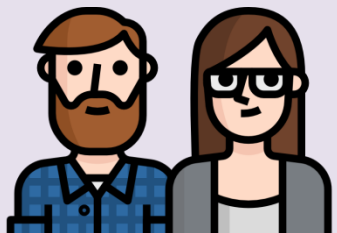


- Israel
- Lithuania
- Chile
- Russian Federation
- Poland
- Turkey
- Greece
- Slovenia
- Estonia
- Korea
- Canada
- Flanders (Belgium)
- Slovak Republic
- Denmark
- Czech Republic
- Japan
- Singapore
- Ireland
- United States
- Germany
- New Zealand
- Sweden
- Norway
- Austria
- Finland
- England/N. Ireland (UK)
- Netherlands
- Australia



Source: Survey of Adult Skills (2012, 2015)

HIGHLY EDUCATED, HIGHLY SKILLED ADULTS ARE MORE LIKELY TO ENGAGE IN OPEN/DISTANCE EDUCATION



**YOUNG
WORKERS**

73%

JOB-RELATED



**TERTIARY
EDUCATION**




MAIN REASON
**TO DO BETTER AT
JOB/IMPROVE CAREER
PROSPECTS**



**HIGHLY
SKILLED**

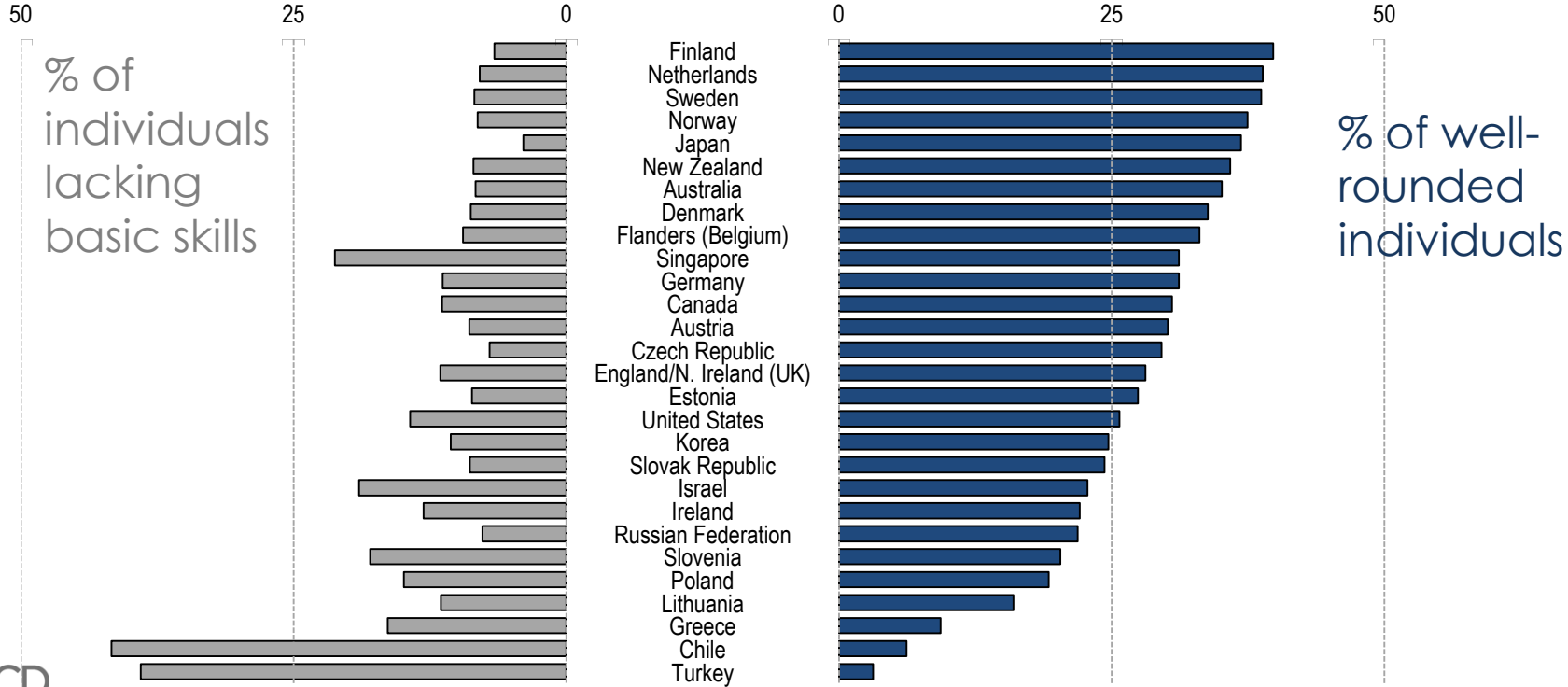
71%

**TRAINING
MODERATELY/ VERY
USEFUL FOR JOB**



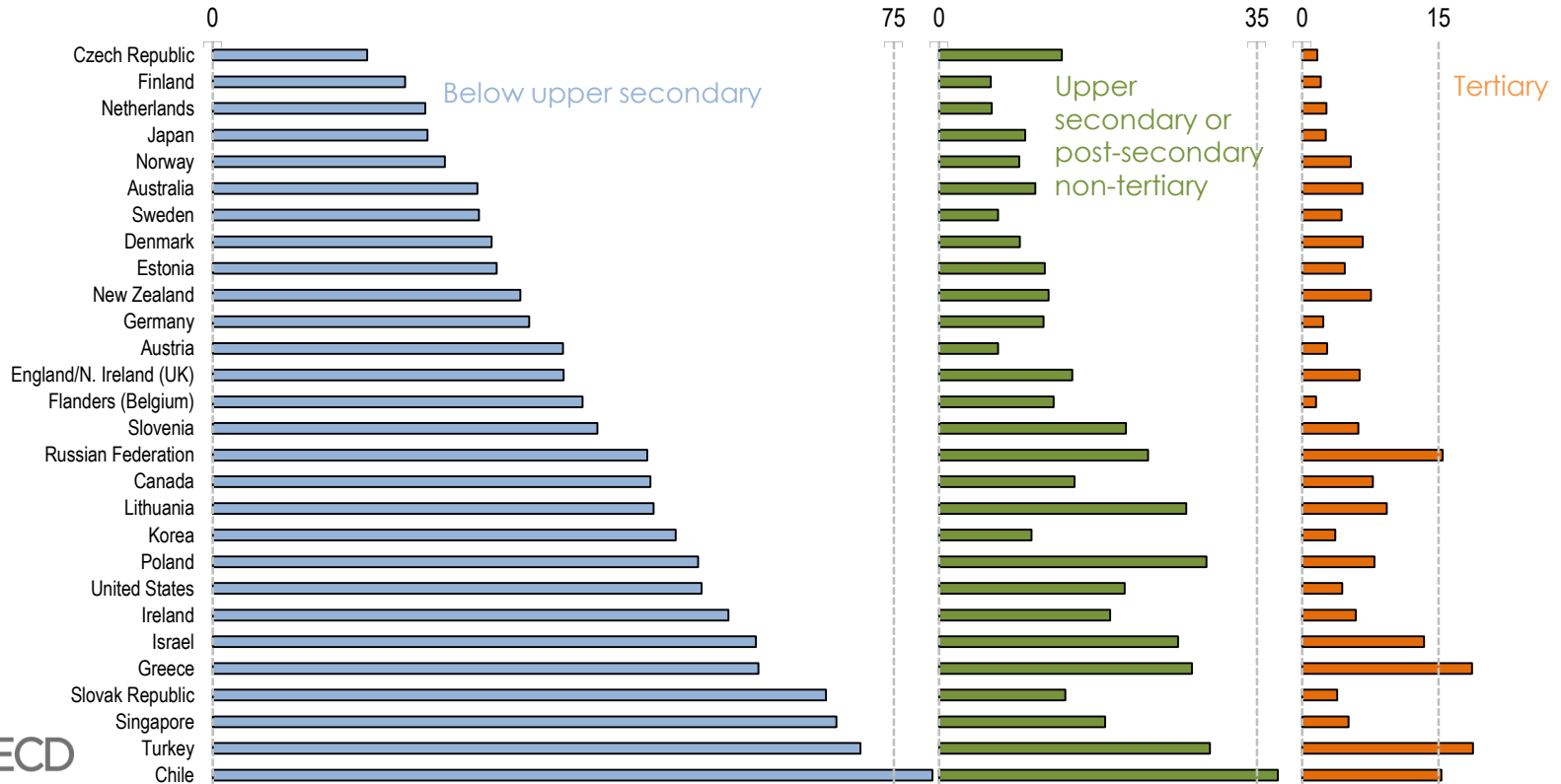
**ARE COUNTRIES PREPARED
FOR THIS TECHNOLOGICAL
WAVE?**

Countries' preparedness to seize the benefits of digitalisation largely depends on the skills of their populations



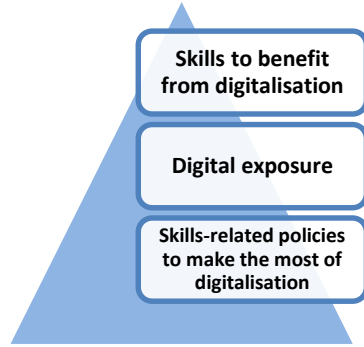
A TERTIARY DEGREE DOES NOT GUARANTEE SKILLS

SHARE OF 20-34 YEAR OLDS LACKING BASIC SKILLS BY EDUCATION LEVEL (%)

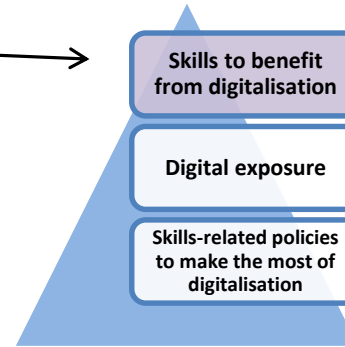


SUMMARY: COUNTRIES FACE DIFFERENT CHALLENGES

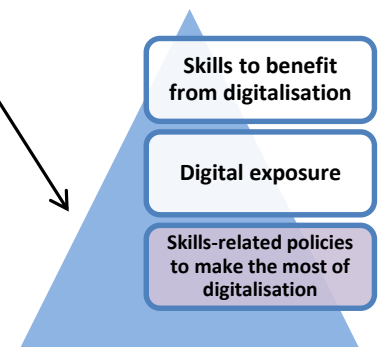
Australia
Austria
Belgium
Canada
Denmark
Estonia
Finland
France
Germany
Netherlands
New Zealand
Norway
Sweden
United Kingdom
United States



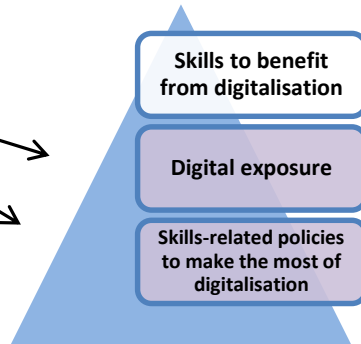
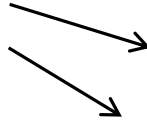
Israel
Slovenia
Spain



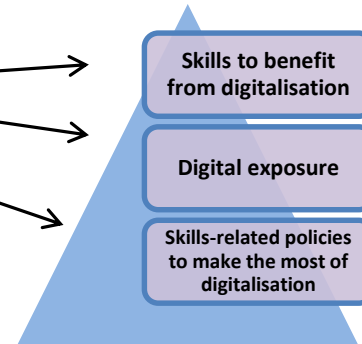
Ireland
Japan



Czech Republic
Korea
Lithuania
Poland



Chile
Greece
Italy
Slovak Republic
Turkey



THANK YOU!

