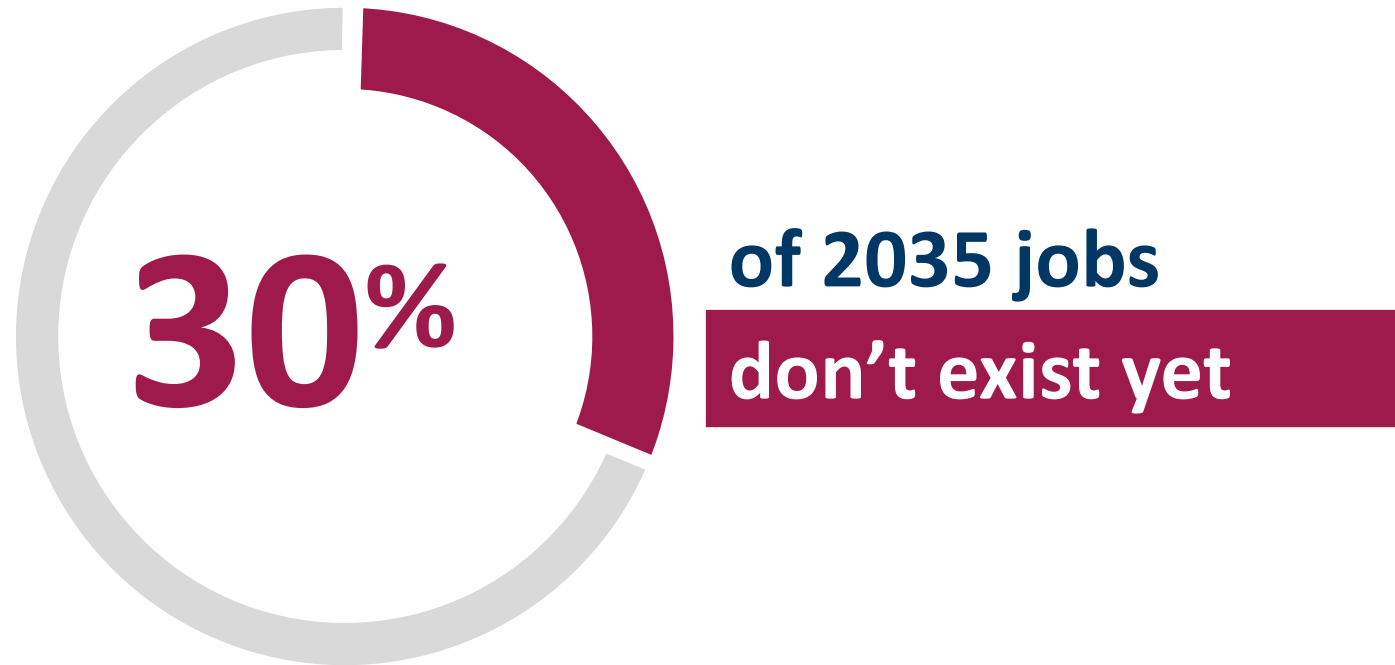




*Developing the next generation  
of skilled changemakers*

WorldSkills Conference 2019

# *Training for uncertainty is now an imperative*



Source: BCG Research for WorldSkills Kazan 2019



# Reskilling, Upskilling and Cross-skilling: an urgent need



**2 out of 5 employees  
in the OECD countries  
are affected by skills  
mismatch**



Source: BCG Research for WorldSkills Kazan 2019

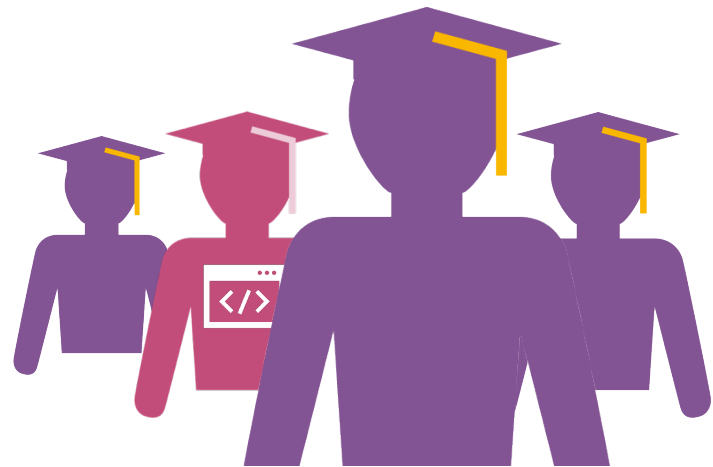


**56%** of the adult  
population have no or  
insufficient ICT skills



Source: OECD 2016 Policy brief: Skills for the Future of Work

# Teaching Software Development at school: an urgency



**76%** of secondary school students in Europe never or almost never engage in coding at school



Source: 2019 European Commission Survey of Schools: ICT in Education

# *Coding: a men-only practice*



**4 out of 5 female European students almost never or never engage in coding at school**



*In Europe, 4 out of 5 female students never engage in coding at school*

# *From Cities to Megacities*



Source: United Nations, Department of Economic and Social Affairs, Population Division (2018).  
*The World's Cities in 2018—Data Booklet (ST/ESA/SER.A/417).*



**It now takes the Earth  
1 year and 8 months  
to regenerate what  
we use in a year**



*Source: Global Footprint Network: Ecological Footprint. 2019*



*Humankind consumes more resources than the Earth can produce in a year*



**Earth Overshoot day,  
fell on July 29 in 2019**



Source: Global Footprint Network: Earth Overshoot Day. 2019

# *A future full of job opportunities*



**There will be 10M jobs created  
in manufacturing  
9M in the renewables sector**



Source: ILO: World Employment Social Outlook 2018: Greening with jobs



# *The renewable energy industry: a fast-growing sector*



There were **3 million jobs** in the renewable energy industry in 2017, a **4.5 increase** since **2012**



Source: IRENA Renewable Energy and Jobs, 2018 Annual Report



# *Youth remain unaware of major economic trends*



**Only 27.2%**  
of global youth  
say they have heard  
of Big Data



Source: WorldSkills/OECD Survey on the Future of Work, 2019

# *Young people struggle to enter the job market*



**7 in 10 youth would have welcomed help to get a job still in school**



Source: WorldSkills/OECD Survey on the Future of Work, 2019

# *A re-skilling imperative brought by the fast-evolving job market*

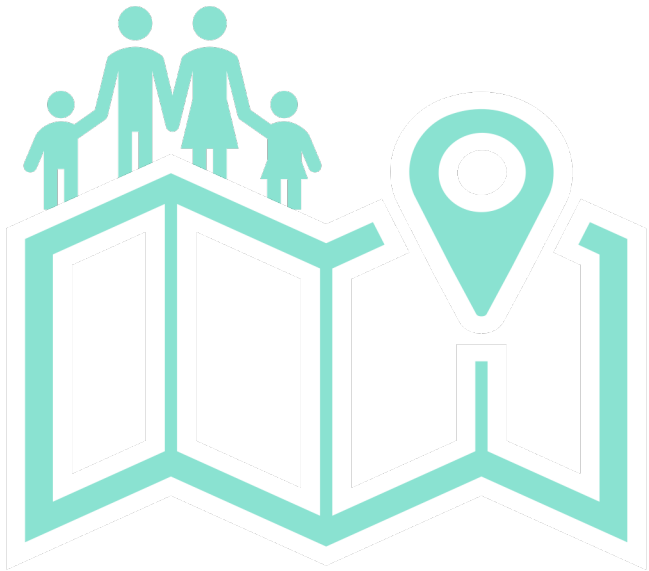


**Over 1 in 2 employees  
will need to reskill or upskill in the  
next 3 years**



Source: World Economic Forum's 2018 Future of Jobs Report

# *Migration has a positive impact on host countries' economies*



**2 out of 3 migrants  
are active members  
of their host country's labor  
force**



Source: ILO, Skills for Employment policy brief: "Skills for migration and employment" 2017



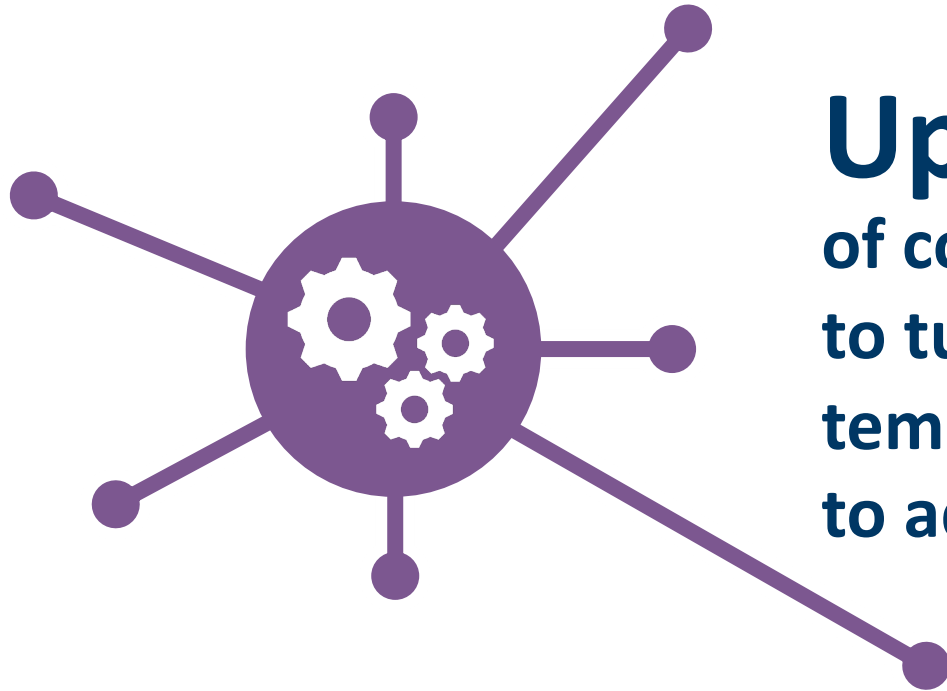
**Only 1 in 3 employers would  
be re-skilling employees  
most vulnerable to automation**



Source: OECD 2016 Policy brief: Skills for the Future of Work



# *The Skills gap is feeding the gig economy*



**Up to 66%**

of companies are likely

to turn to **internal contractors,**

**temporary staff and** **freelancers**

**to address the skills gap**



Source: World Economic Forum's 2018 Future of Jobs Report

*Today, children aged 8-12 year-old are more likely to aspire to become:*



Astronauts  
**11%**



Source: The Harris Poll/Lego (Children polled are from China, the US and the UK)