



# Digital transformation, skills and the Digital Skills and Jobs Coalition

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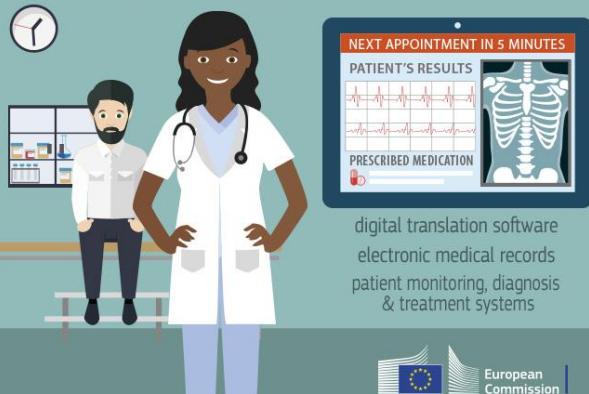
Digital Economy and Skills Unit

Directorate-General CONNECT

Communications Networks, Content and Technologies

# Digitisation is transforming the economy

## Today's hospital doctors need digital skills



### Benefits:

- facilitates communication between doctors & patients
- improves access to medical information
- allows doctors to save time and to treat more patients

## Today's industrial machine operators need digital skills



### Benefits:

- faster manufacturing & reduced errors
- less hard, manual, repetitive tasks
- manufacturing processes more sustainable.

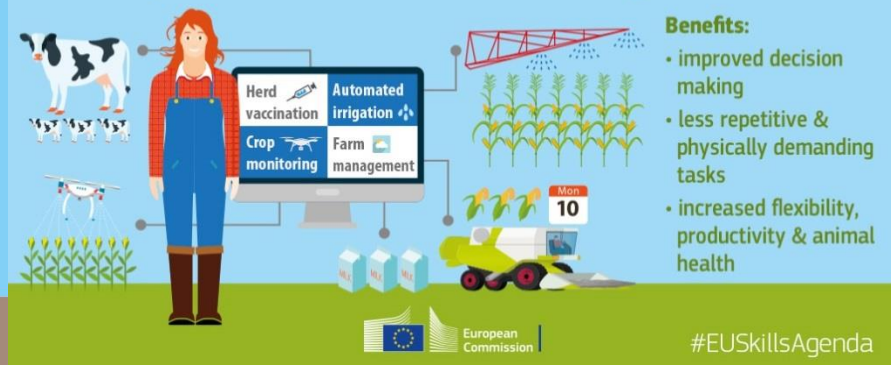
## Today's VET teachers need digital skills



### Benefits:

- improved communication between teachers & students
- improved quality of learning
- increased safety

## Today's farmers need digital skills



### Benefits:

- improved decision making
- less repetitive & physically demanding tasks
- increased flexibility, productivity & animal health

# Impact of digital on jobs and work

## Japanese company replaces office workers with artificial intelligence

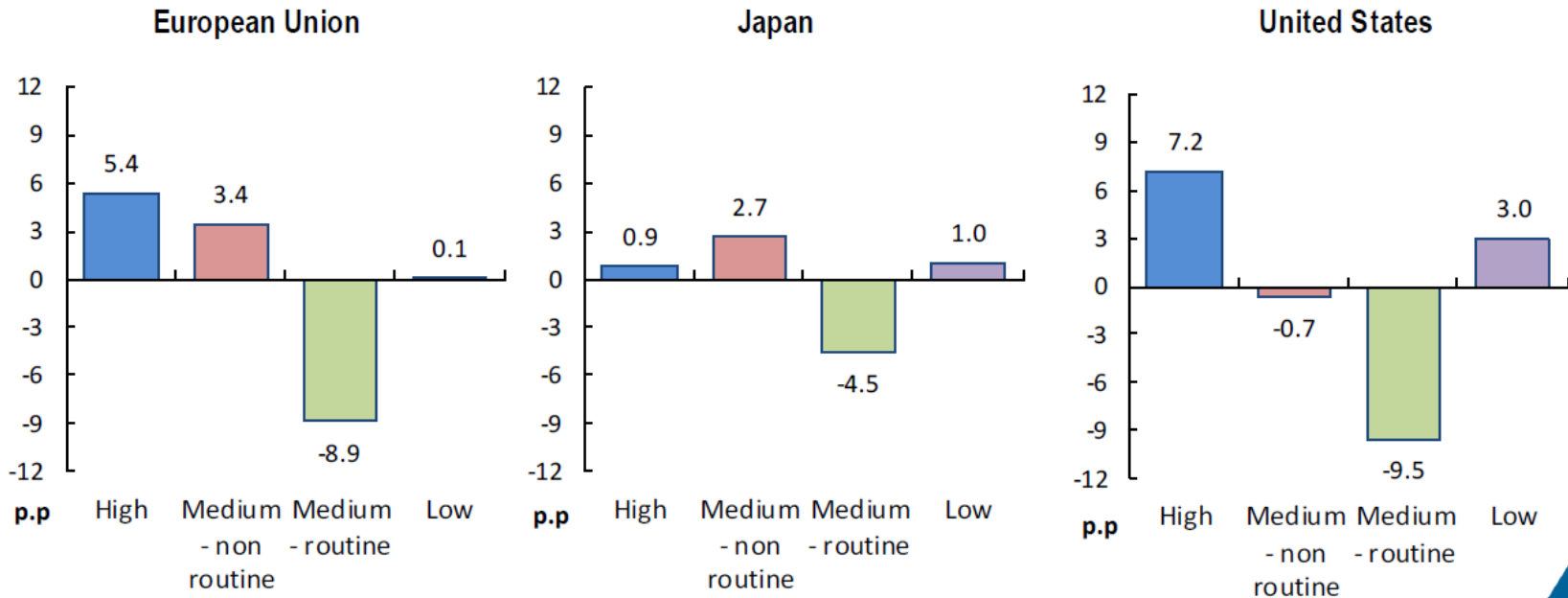
Insurance firm Fukoku Mutual Life Insurance is making 34 employees redundant and replacing them with IBM's Watson Explorer AI



# Polarisation on the labour market

## Job polarisation in major OECD economies, 2002-14

Percentage points changes in employment shares by occupation



Source: OECD estimates based on EU-LFS, Japanese Labour Force Survey, BLS Current Population Survey.



# Digital skills in numbers

- 44% or 169 million Europeans do not have basic digital skills. Of these 77 million people have no digital skills at all.
- Lack of interest and lack of digital skills top reasons to not get internet at home.
- 37% or 80 million in the labour force do not have basic digital skills. Of these 26 million have no digital skills at all
- ICT jobs now 3.5% of total employment
- Risk we might lack 100,000s of ICT specialists in 2020

# What is the Digital Skills and Jobs Coalition?

- 1 of 10 actions in [New Skills Agenda for Europe](#)
- **Network** that brings **together** Member States, companies, social partners, non-profit organisations and education providers...
- **Take action** to tackle the lack of digital skills in Europe.
- Builds on the Grand Coalition for Jobs, the [eSkills for Jobs](#) campaign and [Education and Training 2020](#).
- **Extends the scope:** beyond ICT sector to e.g. health care, farming, education, accounting, engineering and retail.
- Strong **Member State** involvement through **digital skills strategies** by mid-2017 – "Shared Concept"







# Goals by 2020

- Train **1 million unemployed** young people for digital jobs
- Support the **upskilling** and **retraining** of the **workforce** and in particular support small and medium enterprises (SMEs)
- **Modernise education and training**
- Reorient and make use of available **funds** to support digital skills
- **Awareness-raising**

# Target groups - Digital skills for



**All citizens**



**The labour force**



**Education**



**ICT professionals**



# Where are we today?



- **>240 Members**
- **>70 “pledges”, concrete commitments to do something**
- **<http://pledgeviewer.eu/>**
- **17 National Coalitions**
- **Digital Skills Awards**
  - 2016: 258 participants, 4 winners
  - 2017 edition coming up

# 17 NATIONAL COALITIONS

- Mobilise partners and form or join a **regional** and **national** Digital Skills and Jobs Coalition.
- Collaboration include **increasing training, certifying skills, improving school and university curricula, raising awareness about ICT careers.**

[Belgium](#)

[Bulgaria](#)

[Cyprus](#)

[Czech](#)

[Republic](#)

[Estonia](#)

[Hungary](#)

[Ireland](#)

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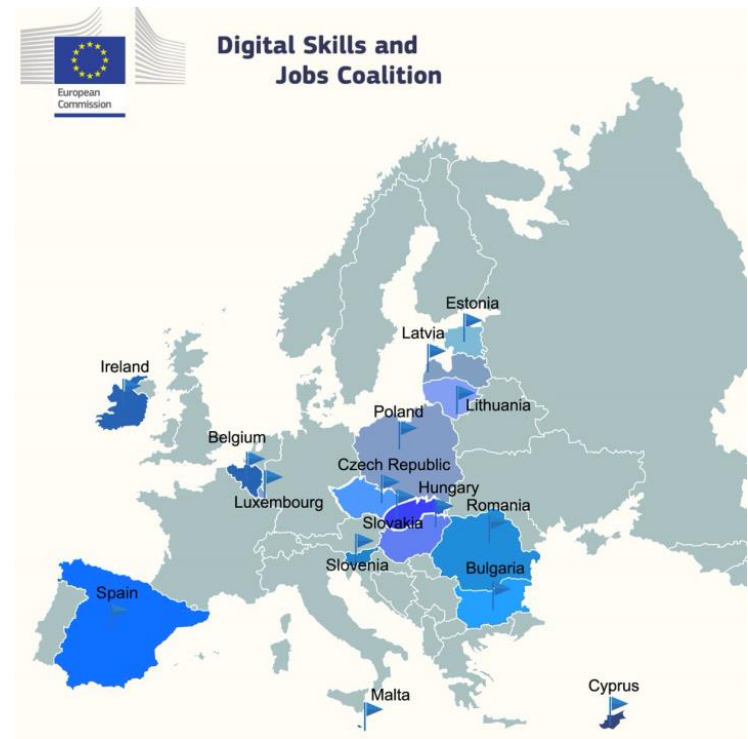
[Slovakia](#)

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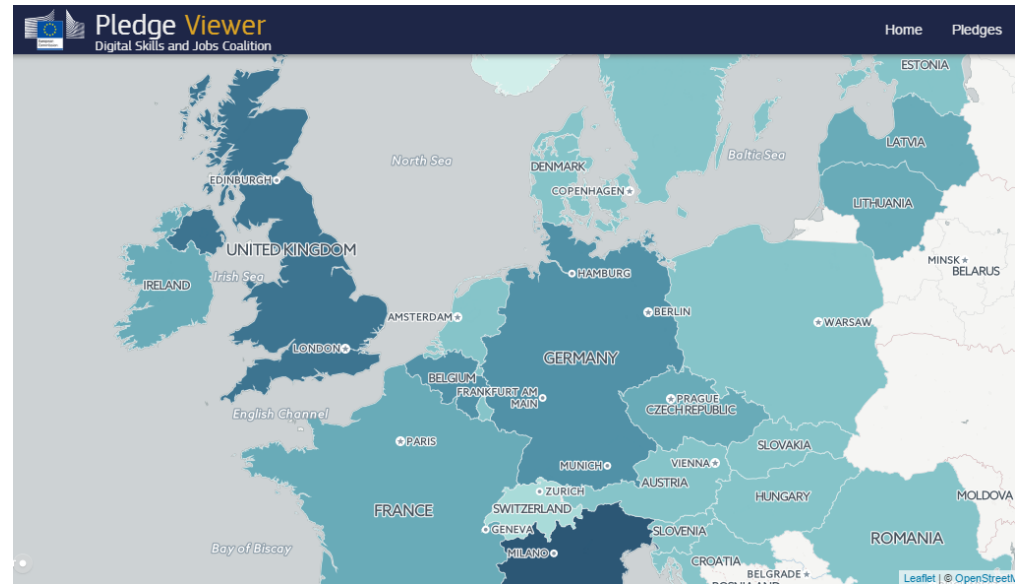
More to come





# How you can contribute

- Become a **Member** of the Coalition by endorsing the objectives and principles of the [Charter](#).
- **Pledge** to take action
- [Pledge viewer](#)





# What is in it for you?

Joining the Digital Skills and Jobs Coalition will:

- Bring opportunities to **cooperate**, share practices and learn from other sectors who are undergoing digitalization + with the ICT industry.
- Give more **visibility** to your initiatives e.g. published on Commission website – [Pledgeviewer](#)
- Give you better **access** to EU policy making on digital issues
- Give you the opportunity to **influence** the shaping of national digital policies through national coalitions



# Get in touch!

Check out our [webpages](#), join our [LinkedIn community](#), follow us on [Twitter](#) and [Facebook](#) or send an [email](#) to the Digital Skills and Jobs Coalition Secretariat.

@DigitalSkillsEU

#DigitalSkills #DSJCoalition

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Following

The National Coalition in #Ireland was launched with pledges to boost #DigitalSkills and create jobs [ow.ly/NYFj30bozod](https://ow.ly/NYFj30bozod) #DSJCoalition



[bit.ly/DSJCoalition](https://bit.ly/DSJCoalition)



Digital Skills EU  
25 April at 13:20 · 🌐

@ubiqum and its partners pledge to increase the number of digitally-skilled employees in Europe, and to help tackle #youth unemployment, by reskilling 3,000 jobseekers by 2020. These ambitious goals will be achieved via the delivery of a series of #digitalskills-based technology career programs using the Story-Centered Curriculum (SCC) approach. #DSJCoalition



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## Digital Opportunity internships

- Pilot project to provide work experience in digital
- 4-5 months long paid internships
- 5,000-6,000 graduate students of all disciplines
- 2018-2020

