



European
Commission

Digital Skills – a challenge and an opportunity for Europe

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EU Citizens' digital skills

44%

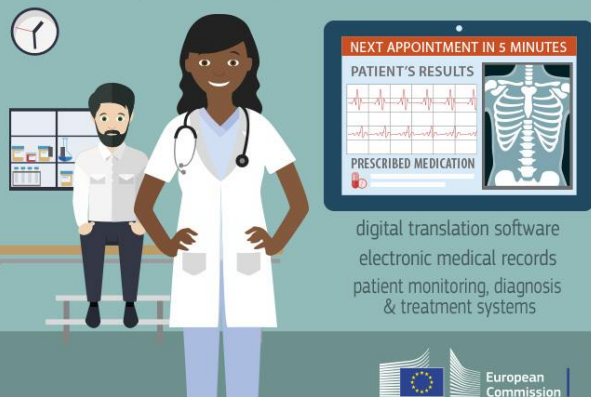
56%



[Source: DESI 2017](#)

Digitisation is transforming the economy

Today's hospital doctors need digital skills

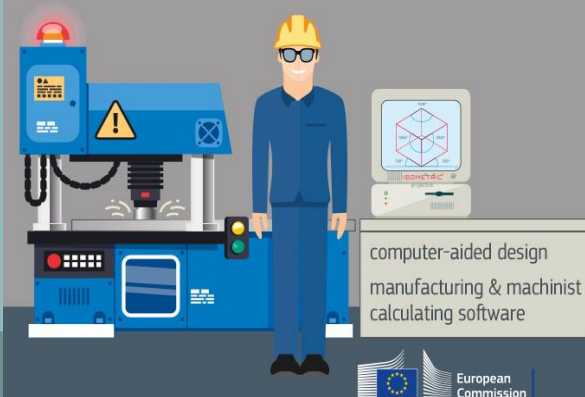


digital translation software
electronic medical records
patient monitoring, diagnosis
& treatment systems

Benefits:

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

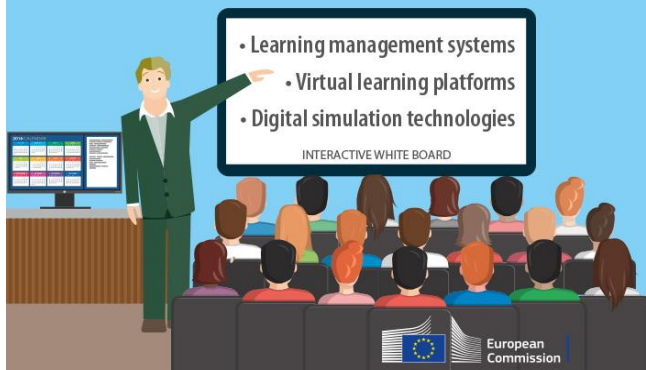
Today's industrial machine operators need digital skills



Benefits:

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

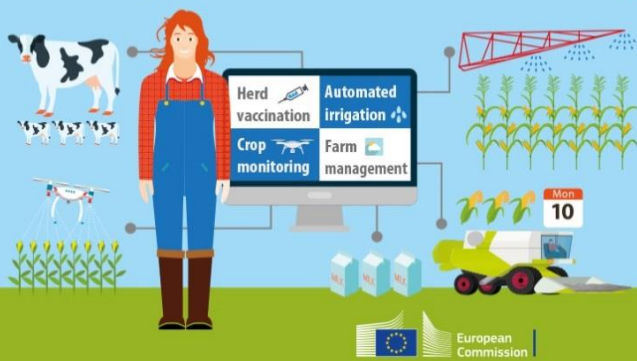
Today's VET teachers need digital skills



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

Digital Skills of the Labour force



37% of the labour force
do not have basic digital skills

ICT jobs now 3.7% of total
employment



At least 350,000 **vacancies for ICT specialists**



40% of companies trying to recruit ICT specialists face difficulties in finding them

Now what?

Digital Skills and Jobs Coalition

- 1 of 10 actions in [New Skills Agenda for Europe](#)
- **Multi-stakeholder partnership**
- **Take action** to tackle the lack of digital skills in Europe for four target areas.



Education



Labour force



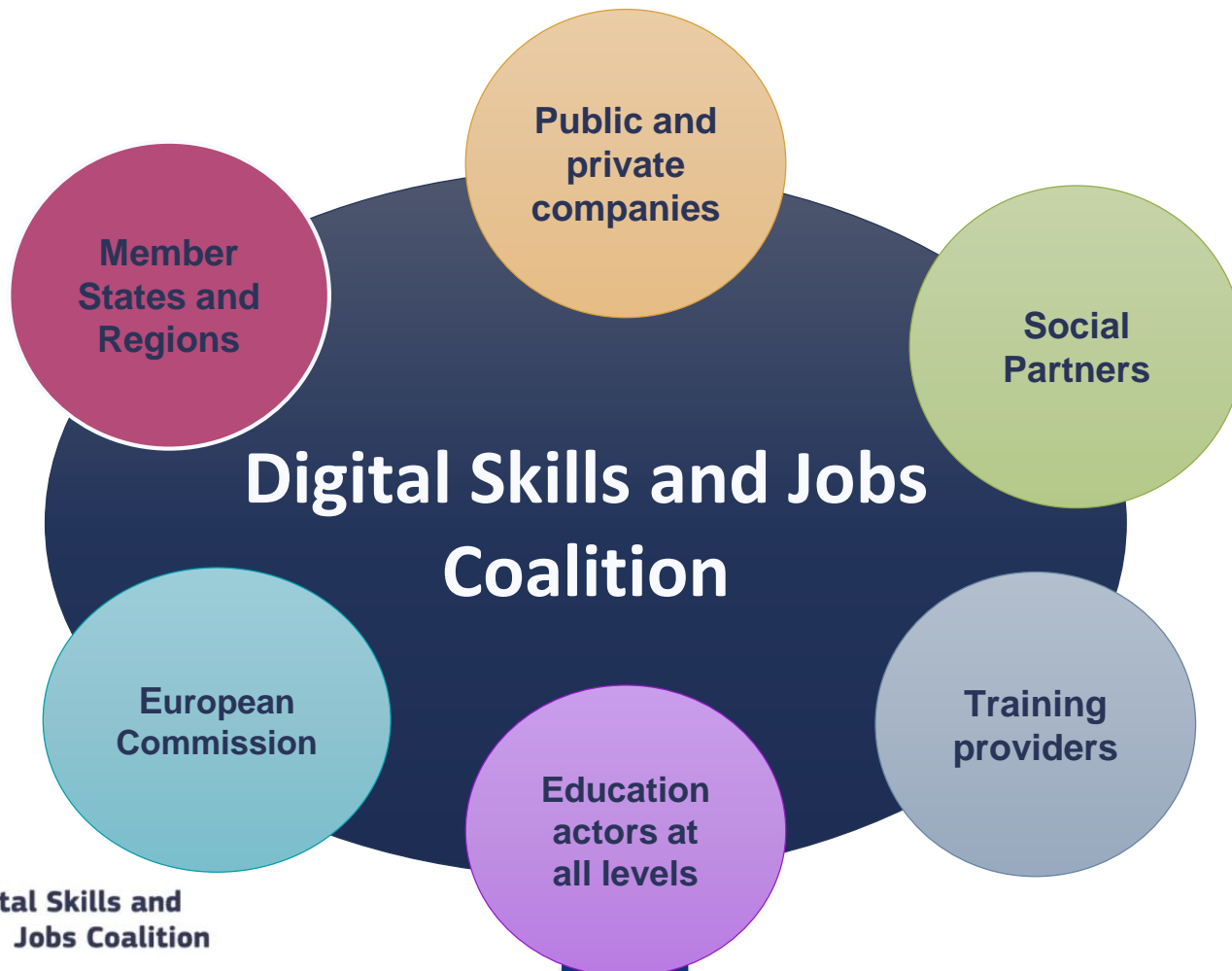
ICT professionals



Citizens



A multi-stakeholder partnership



State of Play after 18 months

- Almost 400 **Members**
- More than 100 “pledges”, concrete commitments to do something
- **21 National Coalitions**

Target audience	Pledges
Digital skills for all	39
Digital skills for the labour force	54
Digital skills for ICT professionals	24
Digital skills in education	62

Country covered	Number of pledges
All EU countries	45
Italy	20
Spain	14
UK	11
Greece	9



Role of the EU



Leverage the Coalition to encourage the **workforce of all sectors** to become **digital**



Involve **Member States** in designing and delivering solutions



Best-practice exchange



Better use of **European and national funds** also through the support of pilot projects

**But this
is not enough**

EU Code week

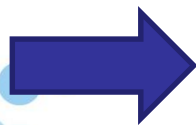
Grassroots initiative

Bring **basic programming skills** and
digital literacy **to everybody** in a fun
and engaging way

EU Code week

2017

- 1,2 million people
- 20,000 coding events
- +50 countries
- Join us – 6-21 October **2018**



50% of schools involved by 2020

Digital Opportunity Traineeships

Students in **all domains** need to be **educated** in **digital skills**, **not just those** who choose an **ICT career**



pilot project to provide **cross-border traineeships** for up to 6,000 **students and recent graduates** in 2018-2020

Digital skills