The EU Skills Agenda in a Life Long Learning perspective

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A future of transitions

- Changing jobs more frequently
  - 15-20 different jobs in a lifetime

- Content of work changing faster
  - By 2022: 54% of existing workforce will need up/reskilling

- Changing tasks more than redundant jobs – 'cobotisation'
  - 2018: machines/algorithms 29% - humans 71%
  - 2022: machines/algorithms 42% - humans 58%

Work – learning transitions

then ...

school → work → retirement

now ...

school → upskill/reskill → work → upskill/reskill → work → work → upskill/reskill → retirement → work
EU countries spend only 0.5% of the GDP on adult learning.
Relative disadvantage in access to learning (EU average)

- Low-qualified adults: -61%
- Adults 55-64 years of age: -22%
- Inactive adults: -10%
- EU28 migrants: -4%
- Unemployed adults: -4%
- Workers in micro companies: -4%
- Total population: 11.1%

Source: Eurostat (LFS), 2018
How to get to the other side?

- Strong governance
- Engaging employers
- Career-long guidance built on skills intelligence and validation of skills
- Empowering individuals
- Skills for life
- Cost-efficient funding
SKILLS AGENDA FOR EUROPE

Quality & relevance of skills
1. Upskilling Pathways
2. Key Competences Framework
3. VET as a first choice
4. Digital Skills and Jobs coalition

Visibility and comparability
5. Revision of EQF
6. Skills profile tool for 3rd country nationals

Skills intelligence
7. Revision of EUROPASS
8. Analysis of brain drain
9. Blueprint for Sectoral Cooperation on Skills
10. Initiative on graduate tracking
Share of low-qualified adults in the EU

European Union 22%

Country %

PT 52%
ES 41%
IT 39%
MT 49%
BG 17%
RO 22%
EL 27%
CY 19%

FR 22%
AT 15%
SI 12%
HR 16%
LU 19%
BE 23%
IE 17%
NL 21%
BE 23%
DK 18%
FI 12%
EE 11%
SE 15%
LV 10%
LT 5%
PL 8%
SK 9%
HU 16%

Low-skilled challenge

Source: OECD
Upskilling Pathways

Enablers

Three-step approach

Step 01
Assessing Skills
Enable adults to identify their existing skills and any needs for upskilling

Step 02
Tailored learning Offer
Provide adults with flexible and quality education and training to boost the skills they need most

Step 03
Validation and Recognition
Offer adults the choice to have their new skills validated and recognised, to use them on the labour market or for further learning and even progress towards higher qualifications
Key competences/transversal skills

- Literacy competence
- Digital competence
- Entrepreneurship competence
- Multi-lingual competence
- Personal, social & Learning to learn competence
- Cultural awareness & expression competence
- Mathematical competence & competence in science, technology, engineering
- Citizenship competence
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
Digital Skills and Jobs Coalition

- **Broad scope:** beyond ICT sector e.g. health care, farming, education, accounting, engineering and retail.
- More than 400 members
- 103 organisations have made pledges (to provide training)
- **Thematic pledges:**
Two competence frameworks already exist

Digital Competence Framework for Citizens
- Content creation
- Communication
- Safety
- Information and data processing
- Problem solving

Entrepreneurship Competence Framework
- Ideas & opportunities
- Learning through experience
- Innovation & economic literacy
- Financial resources
- Motivation
- Self-awareness & self-efficacy
- Spotting opportunities
- Envisioning
- Creativity
- Coping with ambiguity, uncertainty & risk
- Working with others
- Persevering
- Planning & management
- Initiative taking
- Ethical & sustainable thinking
- Managing ideas
- Monitoring others
- Modelling entrepreneurship & sense of initiative
DigComp's five key areas and 21 competences

**INFORMATION AND DATA LITERACY**
- Browsing, searching and filtering data, information and digital content
- Evaluating data, information and digital content
- Managing data, information and digital content

**COMMUNICATION AND COLLABORATION**
- Interacting through digital technologies
- Sharing through digital technologies
- Engaging in citizenship through digital technologies
- Collaborating through digital technologies
- Netiquette
- Managing digital identity

**DIGITAL CONTENT CREATION**
- Developing digital content
- Integrating and re-elaborating digital content
- Copyright and licences
- Programming

**SAFETY**
- Protecting devices
- Protecting personal data and privacy
- Protecting health and well-being
- Protecting the environment

**PROBLEM SOLVING**
- Solving technical problems
- Identifying needs and technological responses
- Creatively using digital technologies
- Identifying digital competence gaps
ESTONIA SAMSUNG DIGI PASS FOR VOCATIONAL SCHOOL STUDENTS IN ESTONIA

SPAIN IKANOS - NIRE GAITASUN DIGITALAK / MIS COMPETENCIAS DIGITALES
Blueprint for Sectoral Skills

Wave 1 (2017)
- Automotive: project-drives.eu
- Maritime technology: projectmates.eu
- Space geo-information: eo4geo.eu
- Textile, clothing, leather and footwear: s4tclfblueprint.eu
- Tourism: nexttourismgeneration.eu

Wave 2 (2018)
- Additive manufacturing
- Construction
- Maritime shipping
- Steel industry

Wave 3 (2019)
- Batteries for electro-mobility
- Bio-economy: new technologies & innovation in agriculture
- Defence technologies
- Digitalisation of the energy value chain
- Energy-intensive industries/industrial symbiosis
- Microelectronic manufacturing & design
EUROPASS

The European tool to manage your skills, and plan your learning and career.
Main components of the new Europass

1. **Interoperability mechanism**
   - Enables the exchange of information on skills and qualifications amongst different actors

2. **e-Portfolio**
   - Support individuals to document and describe their skills, qualifications and experience and to manage their career from a lifelong learning perspective

3. **Information provision**
   - Provide information or links to available information on skills and qualifications that help users to better manage their lifelong career

4. **European Digital Credentials Infrastructure (EDCI)**
   - Encompasses technical specifications to implement the framework. It comprises of core building blocks to help operationalise the framework: e-IDAS, Standards, Services and Software
Your Europass

your life

The European tool to showcase your skills, plan your learning and your career... all in one place.

Create your Europass

Find

Jobs  Training  Advice

Search jobs...

Location

Find

Learn in Europe

Find information on opportunities to learn or study in another European country and practical insights to support you when moving to another country. Here you will also learn about validation of non-formal and informal education and how to recognise your diplomas and qualifications.

Find learning opportunities in Europe now
My Skills

Application of knowledge

Digital competences
- protect ICT devices
- implement ICT safety policies
- implement a firewall
- implement spam protection
- implement a virtual private network

Numeracy and mathematics
- carry out work-related calculations
- carry out work-related measurements
- manage quantitative data
- use mathematical tools and equipment
- work with shape and space

Attitudes and values
- demonstrate consideration
- demonstrate enthusiasm
- manage frustration
- meet commitments
- manage quality
- adapt to change

Thinking
- develop strategy to solve problems
- evaluate information
- make decisions

Social interaction
Framework for digitally-signed credentials

definition of a digitally-signed credential

- A credential, in its most essential form, is a documented statement containing claims made about a person.

- A Europass learning credential describes that the owner has certain skills or has achieved certain learning outcomes through formal, non-formal or informal learning context.

- A digitally-signature (e-Seal) guarantees the origin and integrity of the document.
Framework for digitally-signed credentials

Functions

Identify: Issuers who awarded the credential

Issue: Credentials and send them to their owners

Store: Credentials securely in an online wallet or offline

Verify: If the credential is authentic, valid and issued by an authorized organization

Share: The information in the credential with any other person or organization with just a click
Thank you for your attention
Questions welcome!