



# The Digitalisation Agenda

## Re-thinking the Role of Qualifications and Skills

Quality and Qualifications Ireland  
24 October 2017

**William O'Keeffe,**  
Skills & Qualifications Unit  
DG Employment, Social Affairs, and Inclusion  
EU Commission,

# CoderDojo

- CoderDojo is a global movement of free after-school coding clubs for children founded in Dublin in 2013.
- The children are taught by volunteer IT professionals.  
1100 dojos in 60+ countries
- In 2015 a total of almost 34 000 children with an average age of 11, attended dojos.
- In 2016, CoderDojo's annual Coolest Projects award in Dublin attracted entries from more than 800 children from across Ireland and Europe.

# DIGITAL SINGLE MARKET

BASIC & ADVANCED DIGITAL SKILLS

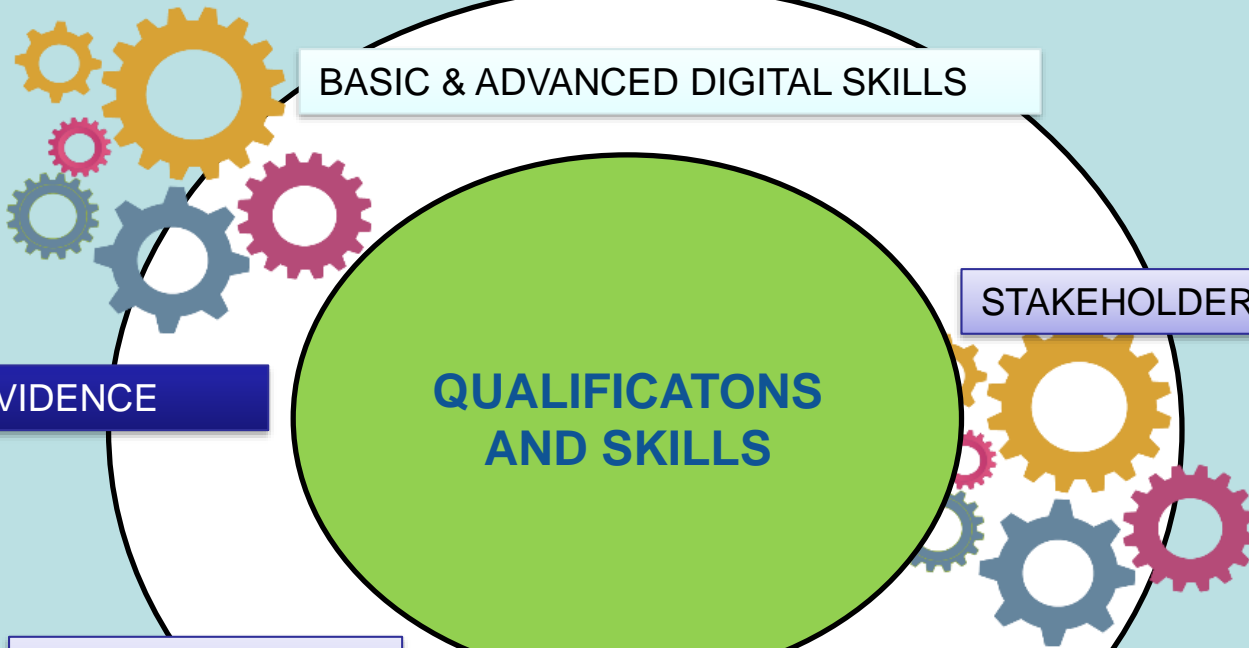
STAKEHOLDERS

EVIDENCE

QUALIFICATIONS  
AND SKILLS

LIFELONG  
LEARNING &  
EMPLOYABILITY

SKILLS  
CHALLENGES/GAPS



**QUALIFICATIONS  
AND  
SKILLS**

*SKILLS  
DEVELOPMENT*

**"Opening Up Learning"**

*RECOGNITION  
OF  
QUALIFICATIONS*

**Micro-Credentials, Digital, Open  
Badges, Blockchain**

*RECOGNITION  
OF SKILLS*

**E-portfolios, Peers, Endorsements**

*INFORMATION &  
UNDERSTANDING OF  
SKILLS*

*EDUCATION,  
TRAINING,  
LIFELONG  
LEARNING*

**Data, Intelligence, Real-Time &  
Trends. Semantic Web, Linked  
Data**

**Exploring interests, self-assessing, career  
management competence**



**Subsidiarity: education systems,  
cultural and youth policies fully within the remit of Member States ...**

**... but the Commission  
can provide support and foster dialogue**

- 1. Cooperation with Member States and stakeholders**
- 2. Tools and Services**
- 3. Funding**



# NEW 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 3<sup>rd</sup> country nationals

## Information & Choices

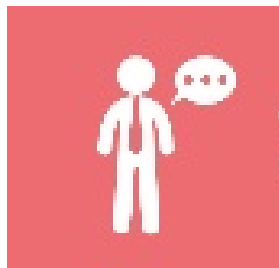
7. Revision of Europass

8. Analysis of brain drain

9. Blueprint for Sectoral Cooperation on Skills

10. Initiative on graduate tracking

# Review of the 2006 Key Competence Framework



Communication in  
the mother tongue



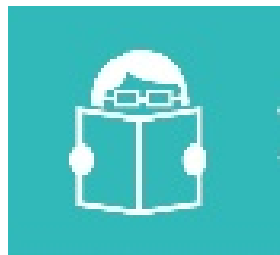
Digital



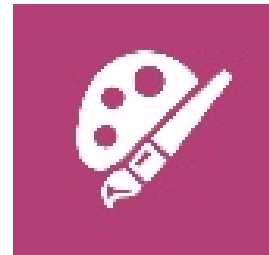
Sense of initiative  
and  
entrepreneurship



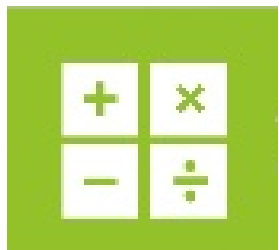
Communication in  
foreign languages



Learning  
to learn



Cultural  
awareness and  
expression



Maths, science  
and technology



Social and civic  
competences

# Digital Competence Framework for Citizens



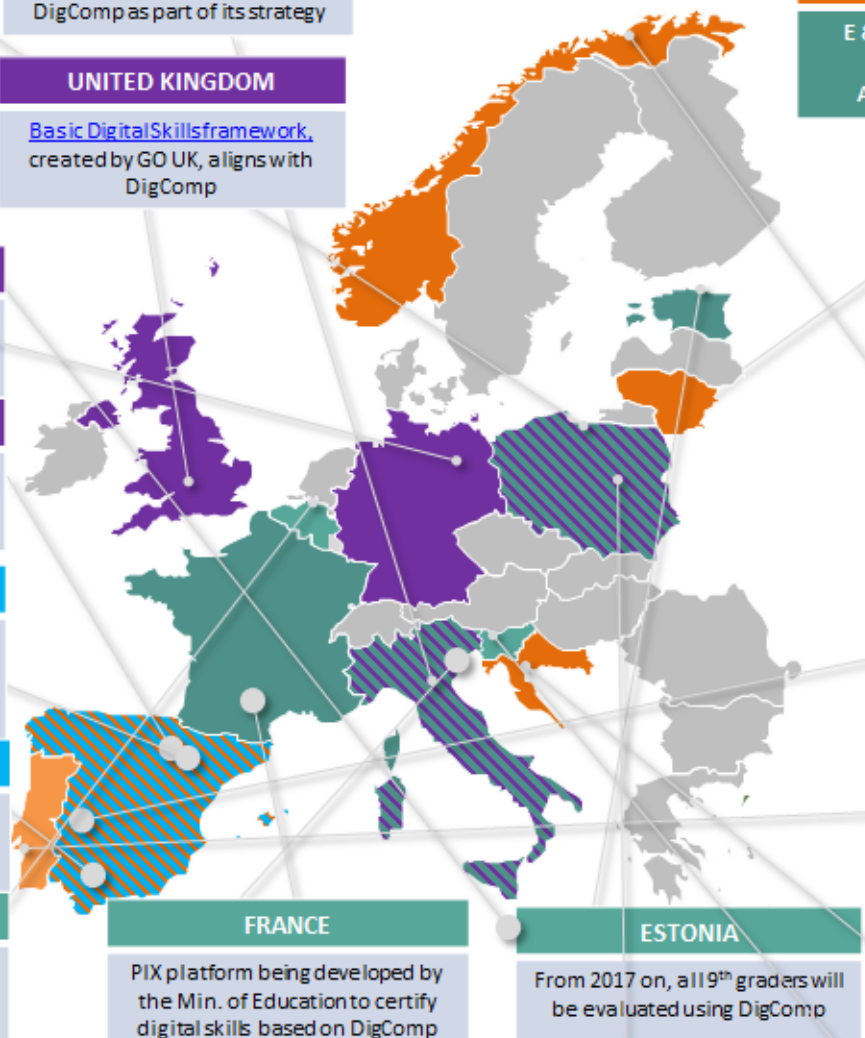
## DIGCOMP 2.0

### THE DIGITAL COMPETENCE FRAMEWORK FOR CITIZENS THE COMPETENCES





# Member State implementations



## POLAND

The Min. of Digital Affairs published a [catalogue of digital competence frameworks](#) for Digital Poland 2014-2020 referring to DigComp

## ITALY

[Italian Digital Agenda](#) will translate and implement DigComp as part of its strategy

## UNITED KINGDOM

[Basic Digital Skills framework](#), created by GO UK, aligns with DigComp

## MALTA

Use of DigComp by the Ministry for Education and Employment in Maltese "[Digital Strategy](#)"

## GERMANY

A new strategy 'Education in the digital world' ([Bildung in der digitalen Welt](#)) builds on DigComp (+2 other frameworks)

## NAVARRA, SPAIN

Navarra Department of Education uses DigComp as a key reference for strategic planning

## BASQUE COUNTRY, SPAIN

[Ikanos project](#) developed by the Basque Government to deploy the Digital Agenda. Free [DigComp self-assessment](#) and training

## ANDALUCIA, SPAIN

"[Andalucia digital](#)" offers free DigComp self-assessment and training for job-seekers

## FLANDERS, BELGIUM

Dept. of Education use DigComp for a curricula review and development of adult education courses

## REBIUN, SPAIN

The Network of Spanish University Libraries (REBIUN) uses [DigComp to upskill](#) students in 76 Spanish universities

## FRANCE

PIX platform being developed by the Min. of Education to certify digital skills based on DigComp

## EMILIA-ROMAGNA REGION, IT

Uses DigComp to re-design courses/materials in [Pane e internet](#), an e-inclusion initiative

## ESTONIA

From 2017 on, all 19<sup>th</sup> graders will be evaluated using DigComp

## POLAND

Training for certification purposes based on DigComp provided by [ECCC Foundation](#) and [ECDL in Poland](#).

TEACHER PROFESSIONAL DEVELOPMENT

E & T CONTENT /STUDENT ASSESSMENT

ASSESSMENT FOR EMPLOYABILITY

POLICY SUPPORT, FRAMEWORK IMPLEMENTATION

## LITHUANIA

Translation of the DigComp framework by the [Education Development Centre](#). Used for Teacher PD

## NORWAY

The Centre for ICT in Education uses DigComp as a reference to develop a DigComp framework for the teaching profession

## SPAIN

The Min. of Education, INTEF created [Common Framework for Teacher Digital Competence](#) based on DigComp. Use agreed between State and Regional governments.

## EXTREMADURA, SPAIN

Extremadura implements [Teachers Digital Competence Portfolio](#) based on DigComp

## PORTUGAL

The Min. of Education uses DigComp as an input for teachers' PD. [Translation](#) by [CIDTFF](#), supported by the MoE

## CROATIA

e-Schools project by Croatian Academic and Research Network uses DigComp to support teachers

## SLOVENIA

Translated by National Education Institute. DigComp used in assessing students in ICT

**Digital Skills and Jobs Coalition**

European Commission

Ireland

Belgium

France

Luxembourg

Spain

Poland

Czech Republic

Slovakia

Slovenia

Hungary

Romania

Bulgaria

Estonia

Latvia

Lithuania

Malta

Cyprus



# Goals by 2020



- Train **1 million young unemployed** people for vacant digital jobs
- Support the **upskilling** and **retraining** of the **workforce** and in particular to support SMEs
- Reorient and make use of available **funds** to support digital skills



# EVIDENCE: SKILLS INTELLIGENCE



<http://skillspanorama.cedefop.europa.eu/en>

## SKILLS PANORAMA

*inspiring choices on skills and jobs in Europe*

EXPLORE DATA ▾ ANALYTICAL HIGHLIGHTS ▾ USEFUL RESOURCES ▾ BLOG ▾ NEWS & EVENTS ▾ ABOUT US ▾

### WHICH SKILLS WILL MAKE A DIFFERENCE AND WHY?

NEW ANALYTICAL  
HIGHLIGHTS ON OCCUPATIONS

LEARN MORE →

NEWS [View all »](#)

<p>20/10/2017</p> <p><b>20.10.2017: European Statistics Day</b></p>	<p>20/10/2017</p> <p><b>Eurostat: New digital publication presenting the life of women and men in Europe</b></p>	<p>19/10/2017</p> <p><b>Malta: sector skills units helping meet labour market challenges</b></p>	<p>18/10/2017</p> <p><b>ILO: What is the Equal Pay International Coalition?</b></p>
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EVENTS [View all »](#)



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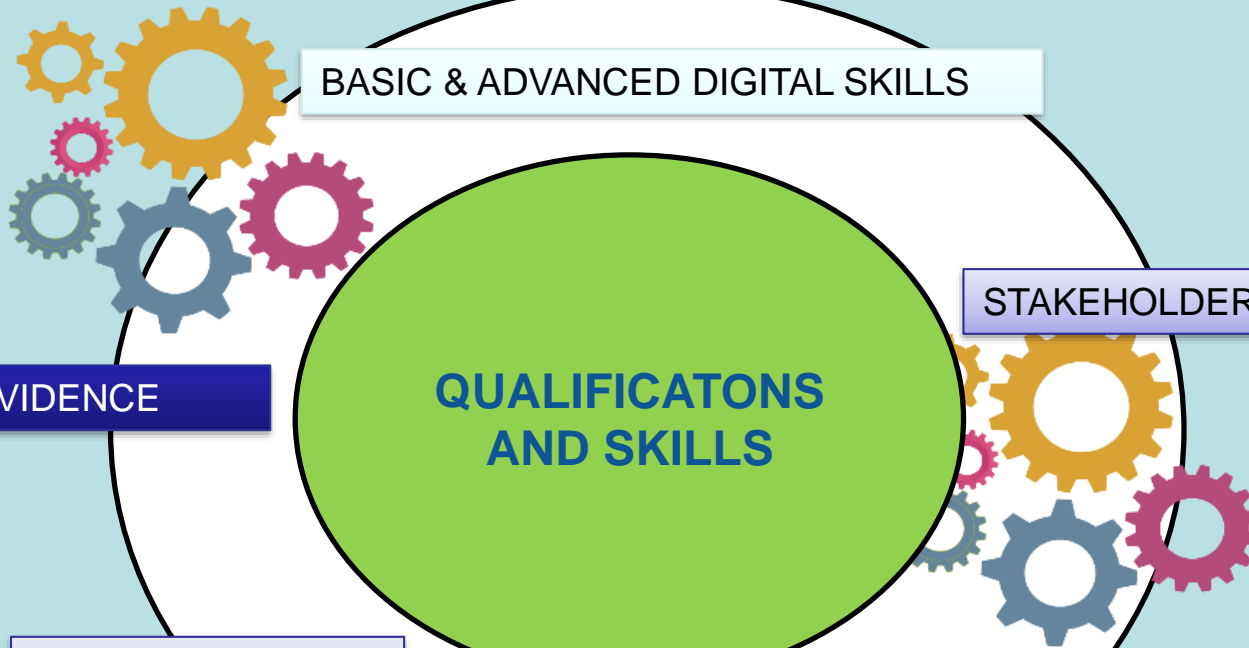
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# Thank You

*[William.OKEEFFE@ec.europa.eu](mailto:William.OKEEFFE@ec.europa.eu)*