

Overview of DigComp 2.2 and Next Steps

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Developing a general digital competency framework for the Romanian public administration (TSI 2024)

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Overview

- The role of the JRC in the European Commission
- Overview of DigComp, focusing on applications
- Next steps in development of DigComp

Science for policy



ANTICIPATE



INTEGRATE



IMPACT

Our purpose

The Joint Research Centre provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.

DigComp:

the European framework for digital competences for citizens

Europe's Digital Decade target: 80% with at least basic digital skills – currently 54%



Digital competence involves the confident, critical and responsible use of, and engagement with, digital technologies for learning, at work, and for participation in society. It is defined as a combination of knowledge, skills and attitudes.

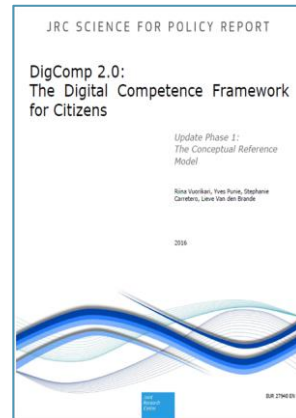
(Council Recommendation on Key Competences for Life-long Learning, May 2018)

See: <https://op.europa.eu/en/publication-detail/-/publication/297a33c8-a1f3-11e9-9d01-01aa75ed71a1/language-en>

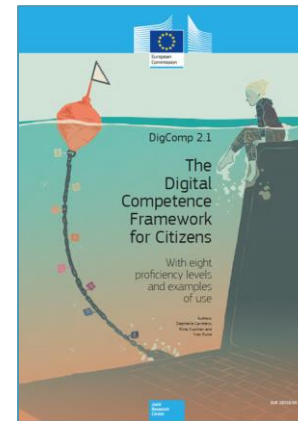
Evolution of the framework



2013



2016



2018



2022...

Informed by stakeholder consultation and the input of many experts across Member States

Applications of the DigComp framework

A broad framework to describe the digital competence of citizens

Flexible with respect to purpose, implementation and future developments

Promotes common language, terminology and understanding

Guides policy and strategy development, implementation and monitoring

Guides curriculum and education and training content development

Aids with the development of digital competence (self-) assessment and certification tools

Can be used as a tool to profile digital skills in jobs or roles



Image sources:

- <https://elisafreschi.blogspot.com/2013/06/how-do-you-find-ideas-for-your-article.html>
- <https://www.hrbartender.com/2018/employee-engagement/employee-engagement-roadmap-2018/>
- <https://www.peoplesmatters.in/article/hr-technology/69-workers-confident-of-digital-skills-pwc-study-17011>

Applications of the DigComp framework

DigComp is used in **almost all EU Member States** and in many **European** and **international** initiatives.

The JRC is preparing a **report that describes how DigComp is being implemented** (expected **early 2025**).

Efforts in many MS to **support digital competence development of public servants have increased** in recent years, e.g. Belgium, France, Italy, Greece, Spain

Broadly speaking, three strategies:

- A **from-scratch** approach
- Take an **existing framework** and **adapt** it
- **Combine** frameworks

Dimensions of DigComp

Dimension	Name	Number of components	What it is
1	Competence areas	5	Broad content areas of the framework
2	Competences	21	Sub-content areas of the framework: for example, Information and data literacy competence area has three competences
3	Proficiency levels	4 or 8	Descriptions of the level of proficiency with which competences can be executed, a combination of task complexity, autonomy and cognitive domain
4	Examples of knowledge, skills and attitudes	260	Short statements illustrating each competence - new to DigComp 2.2
5	Examples of use in education and employment	42	Examples of each competence in education and work scenarios

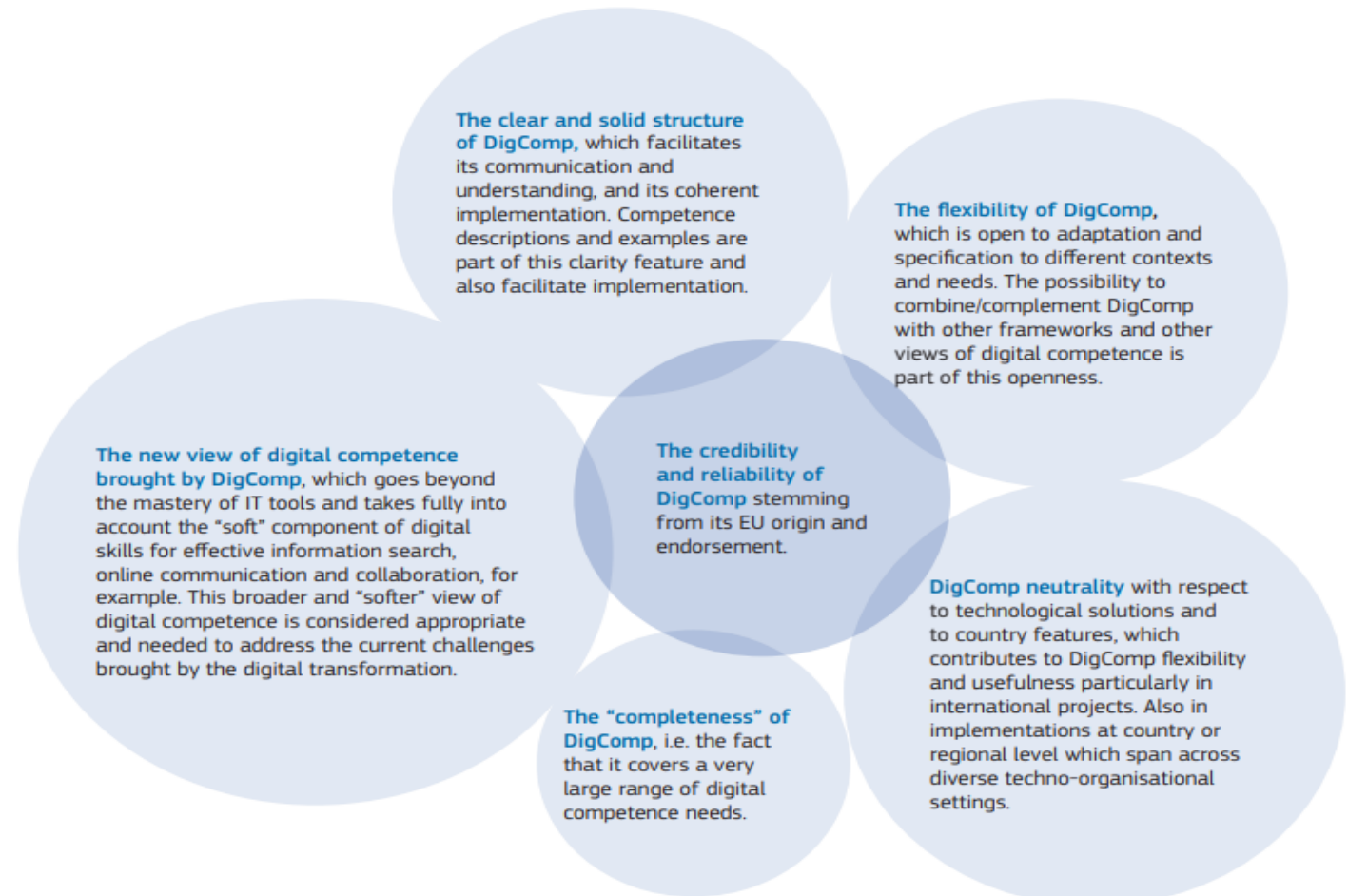
Key elements of DigComp 2.2 update

- More than **250 examples** of **knowledge, skills** and **attitudes** to provide concrete illustrations of DigComp competences (**Dimension 4**)
- The update takes account of emerging technologies such as **AI, IoT** and **datafication** as well as **remote** and **hybrid** working and learning
- There is an increasing need to address the **green and sustainability aspects** of interacting with digital technologies. The update takes account of the competences needed by citizens in this regard.
- Citizens need to be able to fact-check online content and its sources (**information literacy**), and competences when interacting with **AI systems**, to enable them to avail of new **opportunities**, while dealing with the **risks** stemming from recent developments in social media and digital technologies.

Enabling factors for success

DigComp at work report (JRC 2020):

Key factors mentioned in case studies which motivated DigComp adoption and contributed to its successful implementation:



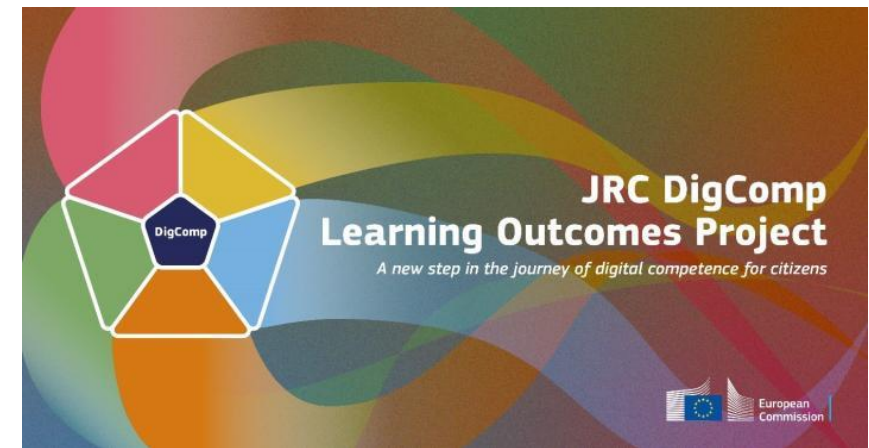
Source: p. 29 in <https://publications.jrc.ec.europa.eu/repository/handle/JRC120376>

Next steps for DigComp

- The JRC expects to publish an updated version of DigComp in late 2025 – **DigComp 3.0** – which will incorporate **recent and emerging trends and priorities**
- A key element of the update is the '**DigComp learning outcomes project**'. Its aim is to develop learning outcomes and supporting material for applications of the framework in a variety of contexts

Next DigComp expert review is October 2, first stakeholder consultation is October 17 (All Digital summit, Madrid)

Further expert input and stakeholder consultation is planned during first half of 2025



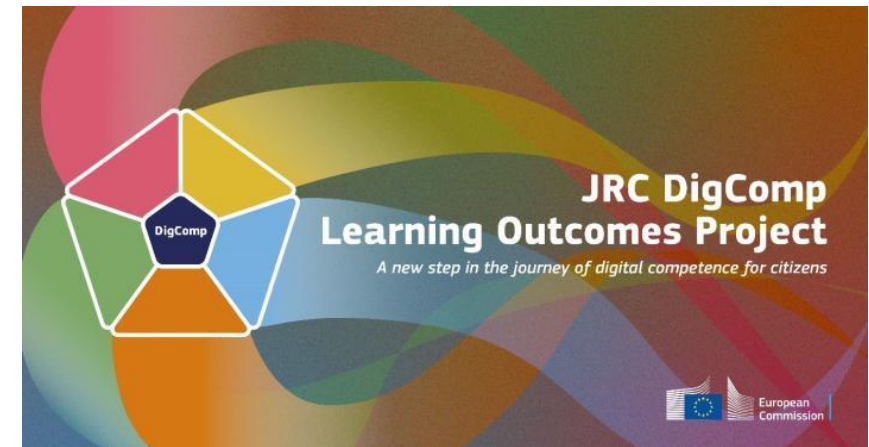
Learning outcomes: Statements of what a learner knows, understands and is able to do on completion of a learning process, which are defined in terms of knowledge, skills and attitudes.

Learning outcomes and the updated framework are developed from existing **examples**, **literature** review, **expert** input and **stakeholder** consultation.

Next steps for DigComp

- Learning outcomes:

- are flexible and adaptable, and build on existing EU infrastructure, such as the EQF
- shape teaching and learning practices and guide curriculum development, implementation and revision
- form a key reference point for the recognition and validation of non-formal and informal learning
- play a central role in defining qualifications frameworks and levels, informing qualifications standards and assessment
- can be used to support skills intelligence analysis.



Emerging priority themes include

- *Misinformation*
- *Critical digital literacies*
- *AI, data and computational literacy*
- *Digital well-being*
- *Ethics, rights, privacy and human-centric approach*
- *Cybersecurity*

DigComp resources

- JRC's dedicated webspace for DigComp: https://joint-research-centre.ec.europa.eu/digcomp_en
 - Framework overview and all framework publications: https://joint-research-centre.ec.europa.eu/digcomp/digcomp-framework_en
 - Implementation guides and examples: https://joint-research-centre.ec.europa.eu/digcomp/digcomp-implementation-guides_en
 - Self-assessment and monitoring tools: https://joint-research-centre.ec.europa.eu/digcomp/digcomp-self-reflection-self-assessment-and-measurement-tools_en
- DigComp Community of Practice hosted by ALL DIGITAL at <https://all-digital.org/invitation-to-digcomp-cop/>
- Digital Skills and Jobs Platform, inspiring examples: <https://digital-skills-jobs.europa.eu/en/inspiration>
- You are welcome to email with queries about DigComp: JRC-DigComp@ec.europa.eu

Thank you

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