SELFIE: strengthening the digital capacity of educational organizations

Jeffrey Earp, Stefania Bocconi & Sabrina Panesi

National Research Council of Italy, Institute for Educational Technology (ITD-CNR)


Launch a new online tool, **SELFIE**, to help schools and vocational education and training institutions use new technologies more effectively.

**PRIORITY 1: MAKING BETTER USE OF DIGITAL TECHNOLOGY FOR TEACHING AND LEARNING**

To fill today’s gap between the use of digital technology in everyday life and in education, the Commission, working with Member States and stakeholders, will:

- Launch a new online tool, **SELFIE**, to help schools and vocational education and training institutions use new technologies more effectively.
- Ensure that the supply of high-speed broadband through the EU network of Broadband Competence Offices will run an information campaign for schools, in particular in disadvantaged regions.
- Support the digital readiness of both general and vocational schools with the aim of teaching digital skills to teachers, trainers and learners by the end of 2018 in all EU Member States and the Western Balkans.
- Provide a framework for digitally-certified qualifications that is fully aligned with the European Qualifications Framework.

**PRIORITY 2: DEVELOPING RELEVANT DIGITAL SKILLS AND COMPETENCES FOR DIGITAL TRANSFORMATION**

As Europe’s citizens need a wide mix of digital competences (knowledge, attitudes and skills), the Commission, working with Member States and stakeholders, will:

- Create a Game with platform for digital higher education supported by Erasmus+.
- Develop a pilot project centred on training on open science and citizen science.
- Increase the number of schools taking part in EU Code Week, a grassroots movement run by volunteers who promote coding in their countries as Code Week Ambassadors.
- Launch an EU-wide awareness-raising campaign targeting education, parents and learners to foster online safety, cyber hygiene and media literacy.
- Promote digital and entrepreneurial competences of women and girls.

**PRIORITY 3: IMPROVING EDUCATION SYSTEMS THROUGH BETTER DATA ANALYSIS AND FORESIGHT**

To better cooperate in data collection, data analysis and exchange of best practices, the Commission will:

- Publish a reference study assessing progress made in mainstreaming ICT use in education.
- Launch Artificial Intelligence and learning analytics pilots in education to make better use of the huge amount of data which is already available.
- Initiate strategic foresight on key trends in digital transformation for education systems.

The digital education action plan proposes three priorities:
SELFIE has been developed

- by the **European Commission** - DG EAC & Joint Research Centre (JRC B.4)
- in collaboration with a team of international experts

To foster effective use of digital technologies for learning in educational organisations.
DIGITAL EDUCATION

Action 2 - SELFIE is a self-reflection tool & mentoring scheme for schools

Supporting the digital competencies of students, teachers and school leaders

#EUDigitalEducation

WHAT

The action aims to support schools with the use of digital technologies:
- offering to any school in Europe the possibility of using digital tools,
- launching a mentoring scheme to scale up ICT-based

SELFIE is a self-reflection tool for primary, secondary and adult education and through a series of questions to teachers and school leaders on digital technologies for teaching and learning. School leaders answer questions for their particular situation. The school gets a tailored report for improvement. This report can be discussed within the school.

The aim of the mentoring scheme is to:
- build an inclusive and sustainable network where teachers exchange experience on the use of digital technologies;
- support the mainstreaming of ICT-based teaching practices

WHY

Integrating digital technologies in a purposeful way is a challenge for school education. Actions that focus solely on providing infrastructure or devices yield mixed results. To improve how students learn, technology should be used in a holistic way, with a clear pedagogical focus and a whole school approach.

Only 20–25% of students are taught by teachers who are confident with technology use.

By extending SELFIE to all countries in the EU and the Western Balkans.

By engaging school leaders and teachers in developing a whole school approach to implementing digital technologies for teaching and learning.

SELFIE is based on the Framework for Digitally Competent Educational Organisations (DigCompOrg) developed by the European Commission. More than 67,000 school leaders, teachers and students from 650 general and vocational schools in 14 European countries tested SELFIE’s beta version in October 2017. The mentoring scheme is inspired by the Living School Labs, a project promoting whole school approaches in using digital technologies that ran from 2012 to 2014 and involved 12 ministries of education. Many examples of such peer-learning activities are taking place, for example under Ireland’s Digital Strategy for Schools 2015-2020.

WHEN

End of 2018: SELFIE available in all official EU languages.

End of 2020: SELFIE used by 1 million students, teachers and school leaders across Europe and in the Western Balkans.

2020: mentoring scheme launched as part of the Societal Challenge Programme.
Why SELFIE?
FOCUS ON LEARNING

Where you stand today + Change process → Where you want to be tomorrow

The self-reflection should be about **learning** for the digital age, **NOT** about technology

# SELFIE_EU
What is SELFIE?
A TOOL AND A PROCESS SUPPORTING ....

Self-reflection on Effective Learning by Fostering Innovation through Educational Technologies

# SELFIE_EU
AN EASY-TO-USE ONLINE TOOL FOR GENERATING AN INDIVIDUAL SNAPSHOT OF A SCHOOL’S STRENGTHS AND WEAKNESSES IN USING DIGITAL TECHNOLOGIES FOR LEARNING
DIG COMP ORG conceptual model of digital competencies in ALL EDUCATIONAL ORGANISATIONS

Validated by experts, policy-makers & stakeholders

CONSULTATIONS WITH OVER 5000 SCHOOL LEADERS, TEACHERS & STUDENTS IN FIVE MEMBER STATES

>> SET OF DIGITAL COMPETENCY STATEMENT ITEMS FOR SCHOOLS
THE CORE OF THE SELFIE TOOL

A WIDE-RANGING SET OF STATEMENTS ON THE OPPORTUNITIES DIGITAL TECHNOLOGIES OFFER TO ENHANCE TEACHING & LEARNING IN SCHOOLS

SL / T: In our school, students have access to a database of in-company training providers

SELFIE RESPONDENTS RATE HOW APPLICABLE EACH STATEMENT IS TO THEM, FROM STRONGLY AGREE TO STRONGLY DISAGREE

# SELFIE_EU
ENTIRE SCHOOL LEARNING COMMUNITY INVOLVED

**SL / T:** In our school, students have access to a database of in-company training providers.

**S:** In our school, I have access to a database of companies providing traineeships, apprenticeships and other opportunities.

*Each user has a different perspective*

# SELFIE_EU
CUSTOMISED TO INDIVIDUAL SCHOOL CONTEXT

T: I create digital resources to support my teaching

T: In our school, there are online libraries or repositories with teaching and learning materials

- **Core** indicators common to all schools
- **Sector specific** e.g. VET indicators selected by the school
- **Predefined** indicators selected by the school
Register on SELFIE & activate school learning community

Customise SELFIE by selecting / adding items (co-ordinator)

School leader, teachers & students provide input

Dialogue, reflection and action plan

A SELFIE School Report is generated

GETTING STARTED
THE SELFIE APPROACH

Voluntary participation

PRIVACY
Data is collected anonymously

A practice of self-evaluation over time
THE REPORT CAN ONLY BE SEEN BY THE SCHOOL THAT GENERATED IT!!
RECOGNITION MECHANISMS

Certificate of Participation
This is to certify that

participated in the pilot implementation of

SELFIE

tool developed by European Commission as

<school coordinator / school leader / teacher / student>
of <school>

<date>

(name, affiliation and signature)

# SELFIE_EU
The road here
SELFIE PILOT IN EUROPE (2017)

650 schools

37%
237 Primary

29%
189 Lower Secondary

23%
151 Upper Secondary General

11%
73 iVET

> 67,000 users

14 countries

5%
SCHOOL LEADERS
2,979

17%
TEACHERS
11,773

78%
STUDENTS
52,962
SELFIE PILOT IN ITALY (2017)

> 200 schools

29% primary schools
33% lower secondary schools
7% iVET

31,912 users

SCHOOL LEADERS 1,507
TEACHERS 5,690
STUDENTS 24,715
Adapting SELFIE to the Italian context
ADAPTING SELFIE TO ITALY #1

1) Translating & adapting SELFIE & related resources

STEP 1
LINGUISTIC TRANSLATION

STEP 2
CONTENT-FOCUSED TRANSLATION

STEP 3
CONTEXTUAL ADAPTATION AND USABILITY

DigCompOrg framework & guide

“SELFIE Italia” online community

“SELFIE Italia” mini website
ADAPTING SELFIE TO ITALY #2

2) Running regional workshops

8 workshops, >300 SL&T

3) Mapping SELFIE & the National Evaluation System

RAV = a mandatory Self-Assessment Report each school in Italy produces following a self-rating process
SELFIE IN ITALY: A SYSTEMIC APPROACH

(STRONG RELATIONS & INTERACTIONS AT ALL SYSTEM LEVELS!)

National coordinator

Under the auspices of

Regional and local coordinators

Education Authorities

Educational Research Centres

School Networks

Coordinators at school level

> 250 school leaders and SELFIE school coordinators
Teachers said that the SELFIE report provided them with ...

- useful points for reflection on their own teaching practice and on the school’s overall strategy
- Insights into how the school uses digital technologies with students to support innovative teaching and learning practices
- Insights into how the school uses digital technologies to monitor learning processes
- A basis for comparing the perspectives of school leaders, teachers, and students
- Information on students’ use of technologies outside the school
SELFIE in action
Similarly, both **USR Umbria** and **USR Calabria** are organizing local activities and **initiatives to promote and facilitate** the use of SELFIE tool in all schools located in their regions.

The **Autonomous Province of Trento** included SELFIE in the **local Digital Education Action Plan for Schools** (IT: Piano provinciale per la scuola digitale, Reg. delib. n. 1941, approved on 24 November 2017) among key actions (Action #28) that schools in the autonomous province of Trento should implement in the next years.
NEED MORE INFORMATION?

JRC-EAC-selfie-tool@ec.europa.eu


http://selfieitalia.it

#SELFIE_EU
NOW SELFIE IS AVAILABLE ONLINE FOR ALL SCHOOLS

25 OCTOBER 2018

Screenshot 25 th + link
Quali potenzialità offre SELFIE alle scuole?

SELFIE è uno strumento di auto-valutazione online rivolto a scuole di ogni ordine e grado (scuole primarie, scuole secondarie di primo e di secondo grado) che vogliono riflettere sull’uso efficace ed innovativo delle tecnologie digitali nella propria scuola. SELFIE è rivolto a tutta la comunità scolastica, ovvero dirigenti scolastici, docenti e studenti e permette di fotografare annualmente le pratiche d’uso (NON le tecnologie!) e le strategie digitali della scuola per catturare lo stato attuale e pianificare azioni future.

La Commissione Europea ha sviluppato lo strumento SELFIE in collaborazione con alcuni esperti del settore educativo. SELFIE è online, gratuito, personalizzabile e può essere usato da tutte le scuole d’Europa. Questo sito web contiene informazioni sulle iniziative SELFIE in Italia, materiali di supporto per le scuole, informazioni sugli eventi dedicati a SELFIE in Italia e tanto altro ancora.

Le aree esplorate da SELFIE

SELFIE si basa sul quadro delle competenze digitali delle istituzioni educative denominato DigCompOrg, messo a punto dalla Commissione Europea e composto da 7 aree tematiche: Dirigenza e gestione dell’organizzazione, Pratiche di insegnamento e apprendimento, Sviluppo professionale, Pratiche di valutazione, contenuti e curricolo, Collaborazioni ed interazioni.
THANKS/END SLIDE