



SELFIE:

strengthening the digital capacity of educational organizations

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THE BACKGROUND



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

The Digital Education Action Plan proposes three priorities:

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.
- ◆ Encourage the uptake of **high speed broadband** through the EU network of Broadband Competence Offices, which 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 reaching one million teachers, trainers and learners by the end of 2019 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.

16,500
primary and secondary schools will get ultra-fast broadband access in Spain thanks to the Connected Schools Programme, co-financed by the European Regional Development Fund

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

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

- Create a Europe-wide **platform for digital higher education** supported by Erasmus+.
- ◆ Develop a pilot project dedicated to 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 educators, parents and learners to foster online safety, cyber hygiene and media literacy.
- Promote digital and entrepreneurial competences of **women and girls**.

The cybersecurity teaching initiative will support educators in understanding the risks involved and teaching pupils to use new technologies safely and confidently. Several Knowledge and Innovation Communities supported by the European Institute of Innovation and Technology will run a "Teach the teachers" programme, training **6,000 teachers by 2020** through online and face-to-face courses.

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:

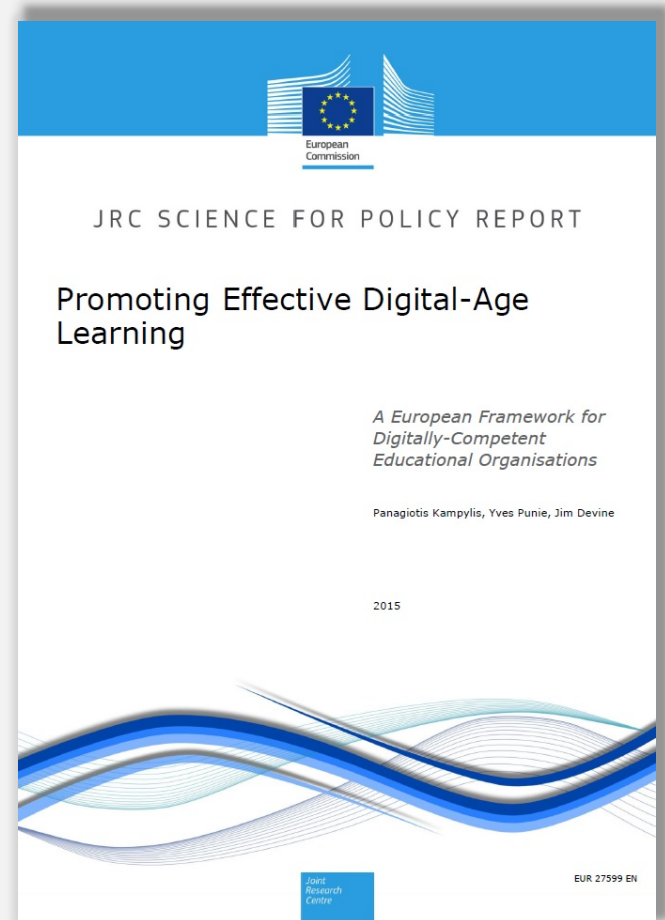
- Publish a reference study assessing progress made in mainstreaming **ICT** use in education.
- ◆ Launch **artificial intelligence and learning analytics pilots** in education to make better use of the huge amount of data which is already available.
- Initiate strategic foresight on **key trends in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

Through the launch of **artificial intelligence and learning analytics pilots**, the Commission will explore how the analysis of data can enhance policy-making in the area of education.

THE BACKGROUND

SELFIE has been developed

- by the **European Commission** - DG EAC & Joint Research Centre (JRC B.4)
- in collaboration with field experts, ministries of education, research institutes
to foster effective use of digital
technologies for learning in educational
organisations



DIGITAL EDUCATION

Action 2 - SELFIE tool & mentoring for schools

Supporting the digital c

#EUDigitalEducation

WHAT

The action aims to support schools with the use of digital

- ♦ offering to any school in Europe the possibility of using digital technologies;
- ♦ launching a mentoring scheme to scale up ICT-based teaching at different stages of technology integration.

SELFIE is a **self-reflection tool** for primary, secondary and vocational schools through a series of questions to teachers, students and school leaders on the use of 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 and learning.

WHY



Only **20-25%** of students are taught by teachers who are confident with technology use¹.



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.

HOW

- ♦ By extending SELFIE to all countries in the EU and the Western Balkans.
- ♦ By engaging schools 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 one 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

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



Leadership



Infrastructure
and Equipment



Professional development



Teaching and learning
practices



Assessment practices

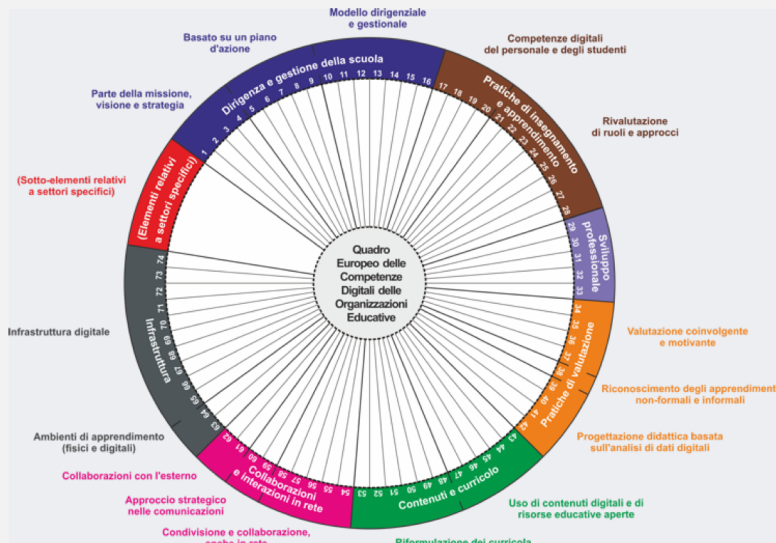


Students' digital
competence

THEORETICAL FRAMEWORK



PRACTICAL KNOW-HOW



DIGCOMPORG FRAMEWORK 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 (INDICATORS)
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***

ENTIRE SCHOOL LEARNING COMMUNITY INVOLVED

school leaders



ALL teachers



students

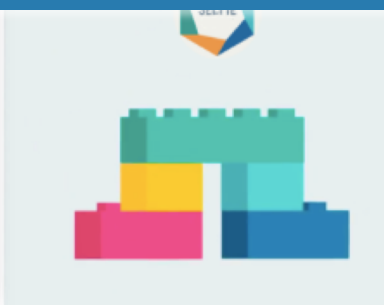
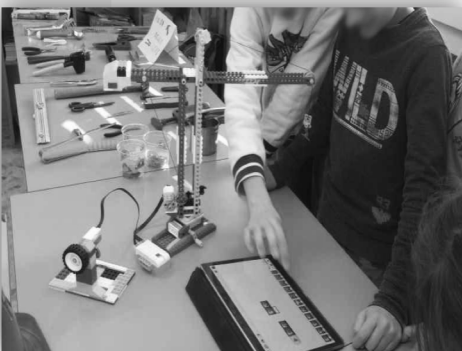
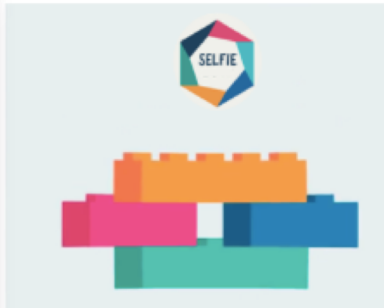
SL / T: In our school, students have access to a database of in-company training providers



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

Each user has a different perspective

CUSTOMISED TO INDIVIDUAL SCHOOL CONTEXT



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

Sector specific
e.g. VET

OPTIONAL
indicators selected by the school

T: I create digital resources to support my teaching

CORE
indicators common to all schools

School profile

GETTING STARTED



Register on SELFIE
& activate school
learning community

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

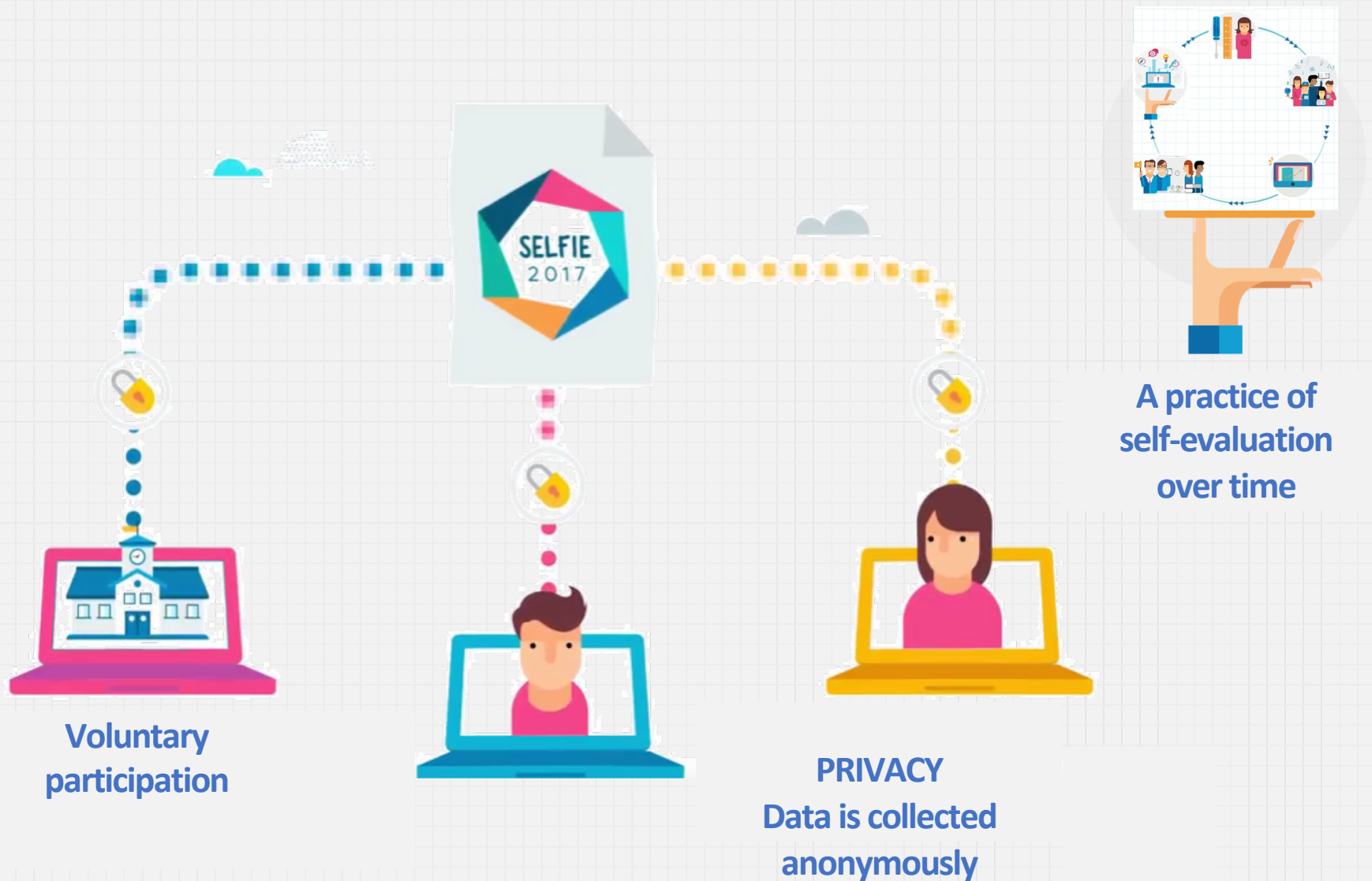
School leader,
teachers & students
provide input

Dialogue, reflection
and action plan

A SELFIE School
Report is generated



THE SELFIE APPROACH



SELFIE SCHOOL REPORT



Dialogue
within
school
community



Basis for developing
an action plan for
improvement



Can be used for
monitoring the
evolution from
year to year



THE REPORT CAN ONLY BE SEEN BY THE SCHOOL THAT GENERATED IT!!

RECOGNITION MECHANISMS



**Certificate of
participation
for each participant**

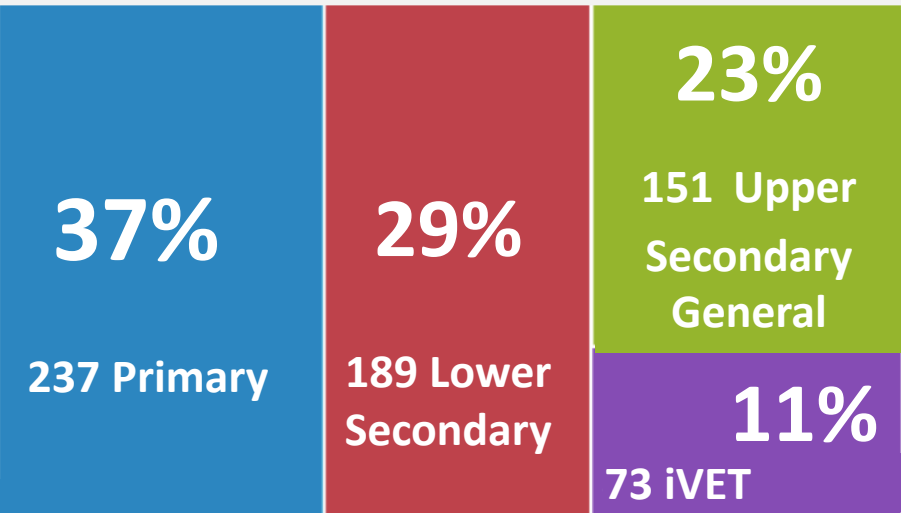
SELFIE_EU

The road here

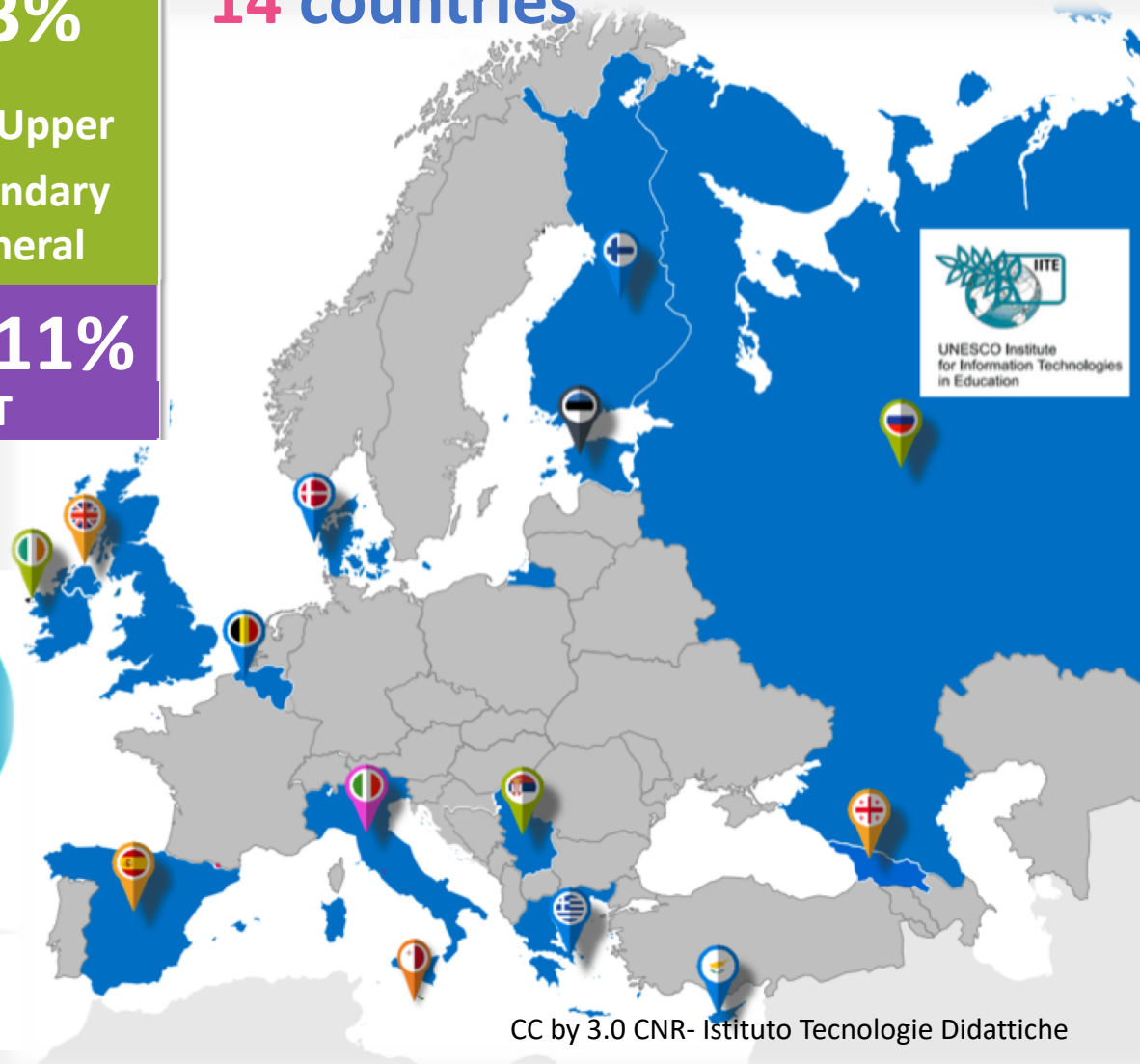


SELFIE PILOT IN EUROPE (2017)

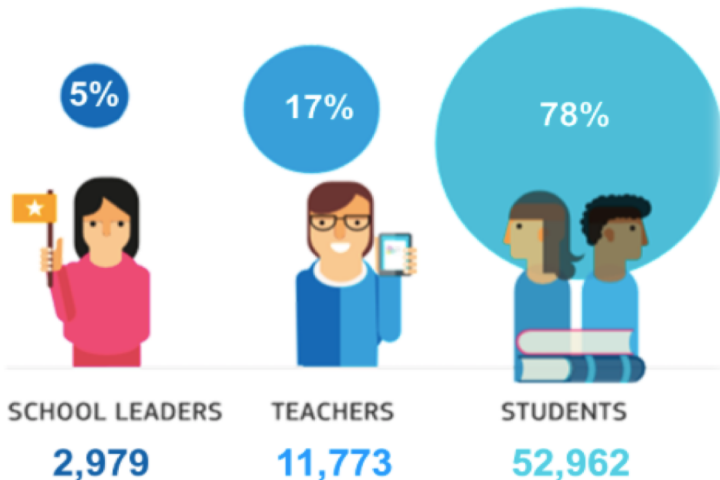
650 schools



14 countries

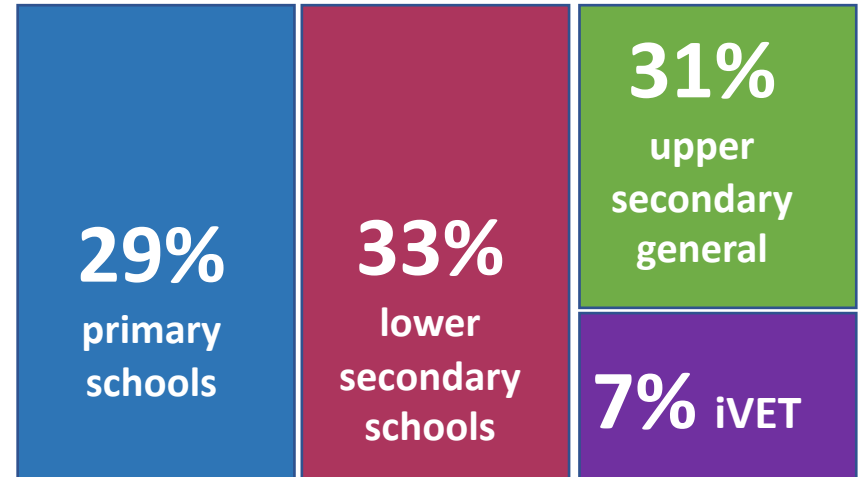


> 67,000 users

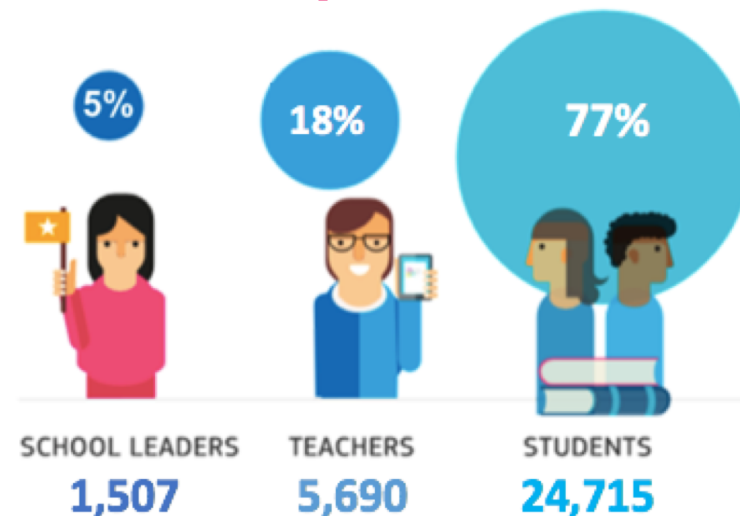


SELFIE PILOT IN ITALY (2017)

> 200 schools



31,912 users



The strategy adopted in Italy



ADAPTING SELFIE TO ITALY #1

1) Translating & adapting SELFIE & related resources



DigCompOrg framework & guide

STEP 1

LINGUISTIC TRANSLATION



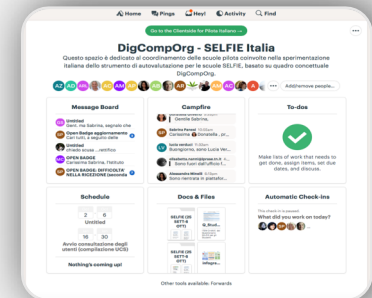
STEP 2

CONTENT-FOCUSED TRANSLATION



STEP 3

CONTEXTUAL ADAPTATION AND USABILITY



“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



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



School Networks

Docenti Web



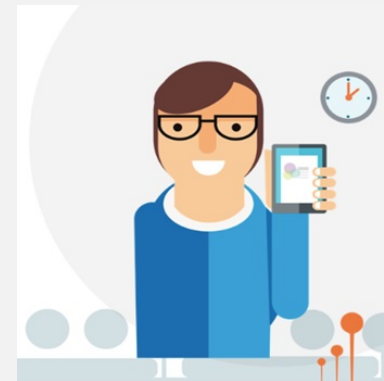
Coordinators at school level

> 250 school leaders and
SELFIE school coordinators

RESPONSE FROM SELFIE CASE STUDIES

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**
- insight into **students' use of technologies** outside the school



SELFIE in action



SELFIE IN ITALY: REGIONAL & LOCAL ACTIONS

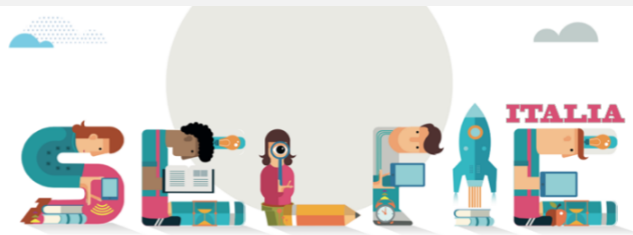


The **Autonomous Province of Trento** has included SELFIE in the Digital Education Action Plan for Schools as a key action to be implemented by all schools over the coming years.

Education Authorities in **Umbria** and **Calabria** are running regional activities to promote SELFIE use in all their schools



HTTP://SELFIEITALIA.IT



HOME



Materiali



News



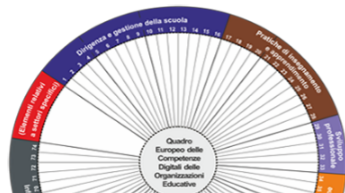
Info

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.

Usato da oltre
600 scuole
in Europa



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

NEED MORE INFORMATION?



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https://ec.europa.eu/education/schools-go-digital_en

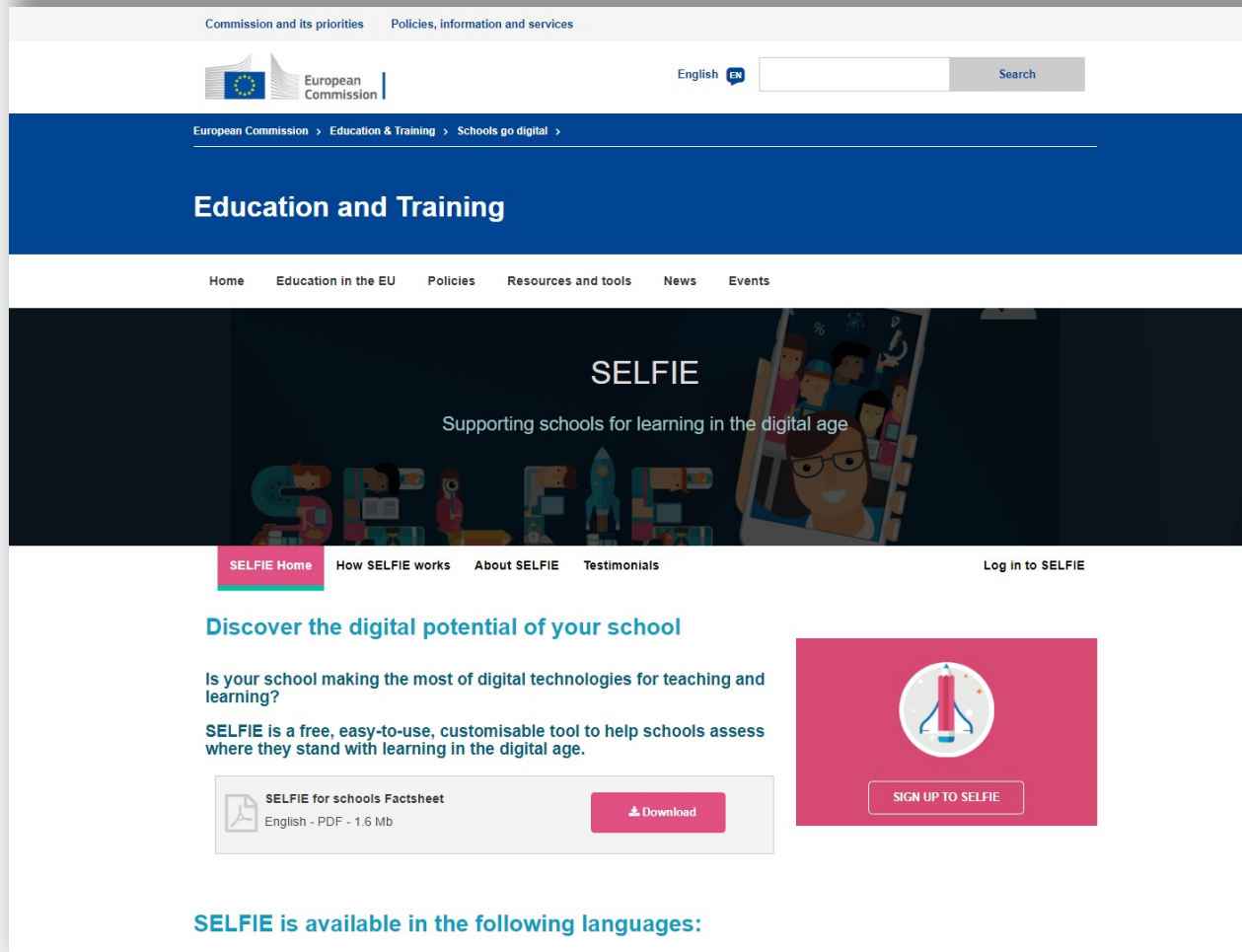
<http://selfieitalia.it>



[#SELFIE_EU](#)



SELFIE IS NOW A-LIVE ACROSS EUROPE!



https://ec.europa.eu/education/schools-go-digital_en

Thanks!

And now, it's ...



... SELFIE time!