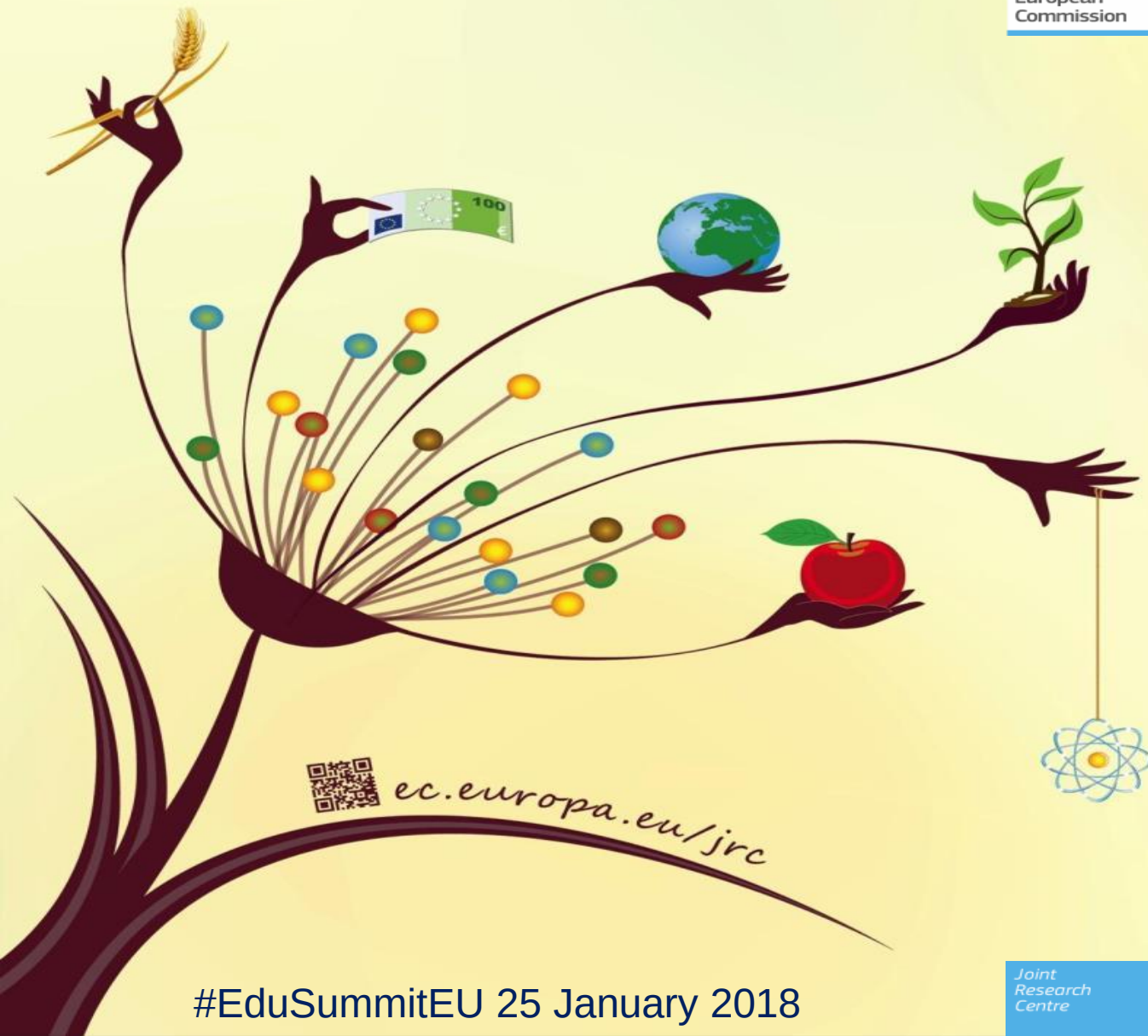

SELFIE tool

for teaching and learning in the digital age

Panagiotis Kampylis, Ph.D.

Joint Research Centre
the European Commission's
in-house science service

#EduSummitEU 25 January 2018

@pankampylis | #SELFIE_EU

Why SELFIE?

71,157,100 students in EU schools

Are schools in Europe ready to make the most of digital technologies for their learning?

European Commission

SELFIE is one of the 11 action proposed

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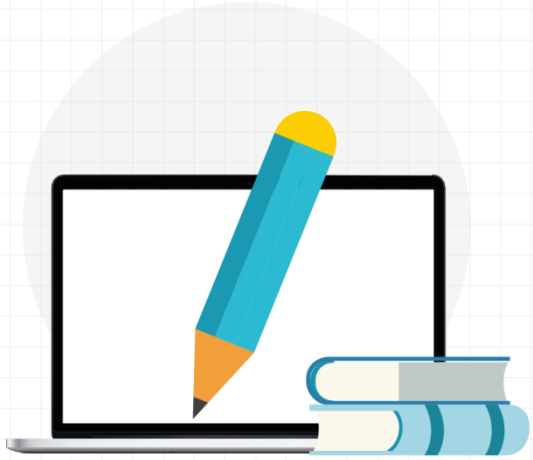
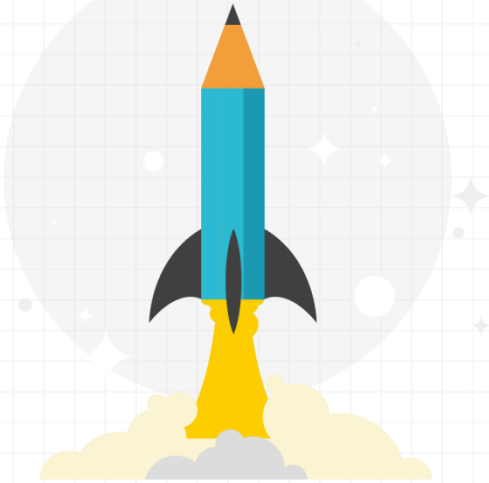
Self-reflection: know yourself!



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

European Commission

What´s SELFIE?

SELFIE: a free, online self-reflection tool

It is NOT a(nother) survey!

- ✓ Research-based
- ✓ Easy-to-use
- ✓ Customisable
- ✓ Useful for reflection and planning

European Commission

Let all the voices be heard

school leaders + teachers + students

Each user has a different perspective

Participatory design

- **100** European experts
- **70,000** end-users

European Commission

A glimpse on SELFIE questionnaires

school leaders

It is part of our digital strategy...

... that **students create digital content** as part of their learning activities.

1 2 3 4 5

... that students develop their **digital skills within a range of subjects**, not just in ICT related ones.

1 2 3 4 5

... to use digital assessment formats to capture not only students' **knowledge** but also their **skills or attitudes**.

1 2 3 4 5

... that students use digital technologies to **document their learning**.

1 2 3 4 5

... that students use digital technologies to assess **their own and other students' learning**.

1 2 3 4 5

teachers

As a teacher, I use digital technologies...

... to enable **students to create digital content** in class or as part of their assignments at home.

1 2 3 4 5

... to provide students with opportunities to **develop their digital skills in th subjects I teach**.

1 2 3 4 5

... to assess not only students' **knowledge but also skills and attitudes**.

1 2 3 4 5

... to enable students to **document what they have already learned**.

1 2 3 4 5

... for students to **assess their own and other students' learning**.

1 2 3 4 5

students

In my school...

... Digital technologies help me to **learn better**.

1 2 3 4 5

... My teachers use digital technologies to **try out new ways of teaching**.

1 2 3 4 5

... I use digital technologies to become a **more active learner**.

1 2 3 4 5

... I get to **do special digital activities** if I need extra help or if I am ahead of the class.

1 2 3 4 5

... We use digital technologies **for creative activities**.

1 2 3 4 5

... I **create digital content** in class or at home as part of my assignments.

1 2 3 4 5

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SELFIE School Report

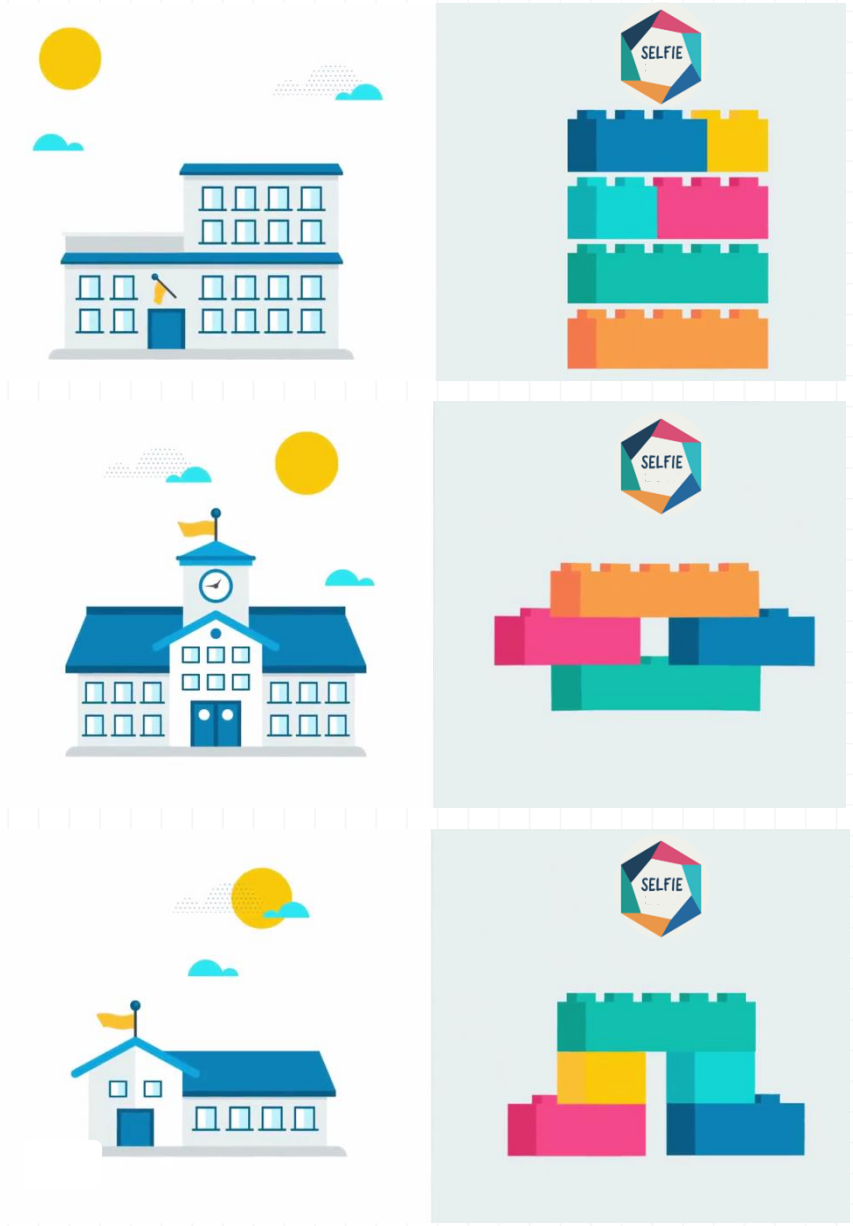
Dialogue within school community

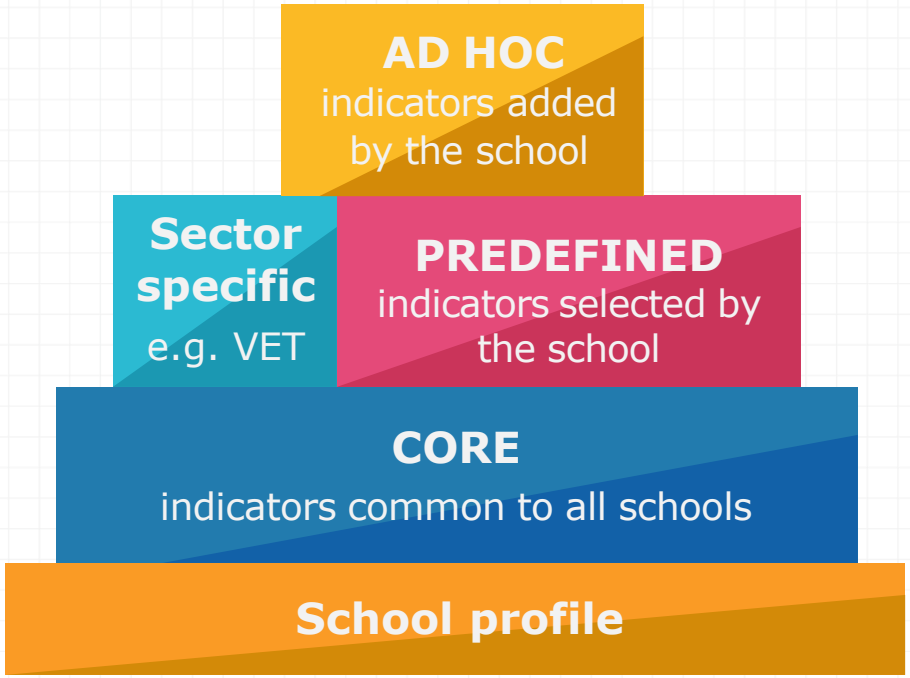
Basis for developing **an action plan** for improvement

Can be used for monitoring the **evolution** from year to year

European Commission

Celebrating both the common ground and diversity





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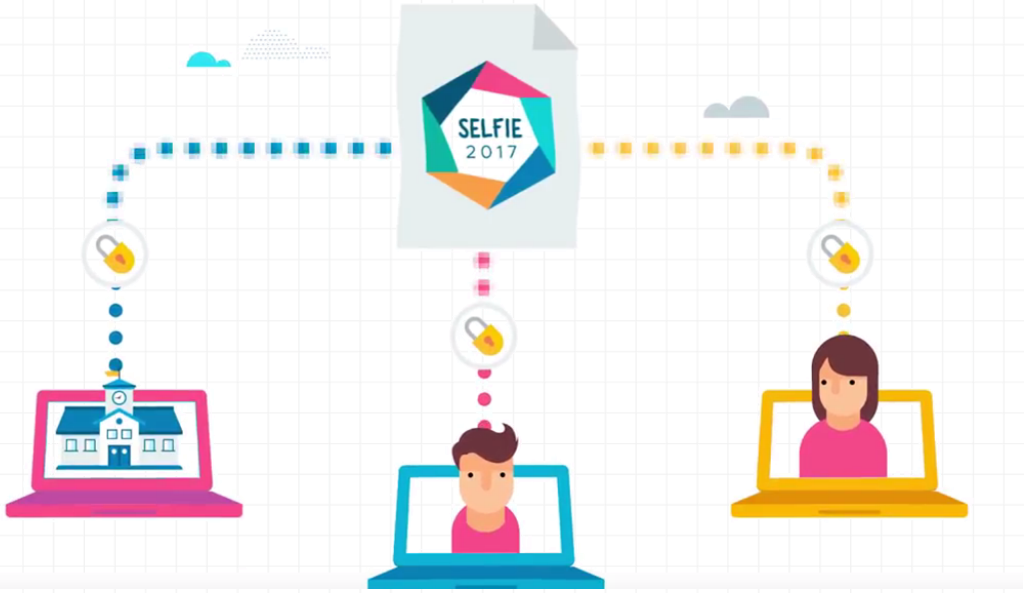
Key features



Voluntary participation

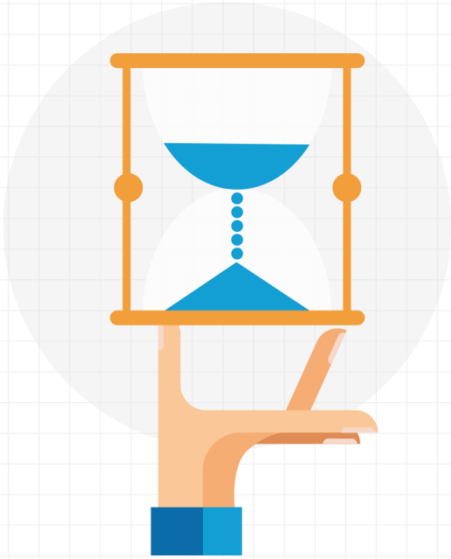
-

Data provided is anonymous

-

School has full control of its data

Paperless System



A time efficient self-reflection exercise

European Commission

What has been done?

SELFIE pilots in late 2017

14 European countries

Source: https://ec.europa.eu/jrc/en/digcomporg/selfie-tool/selfie-map

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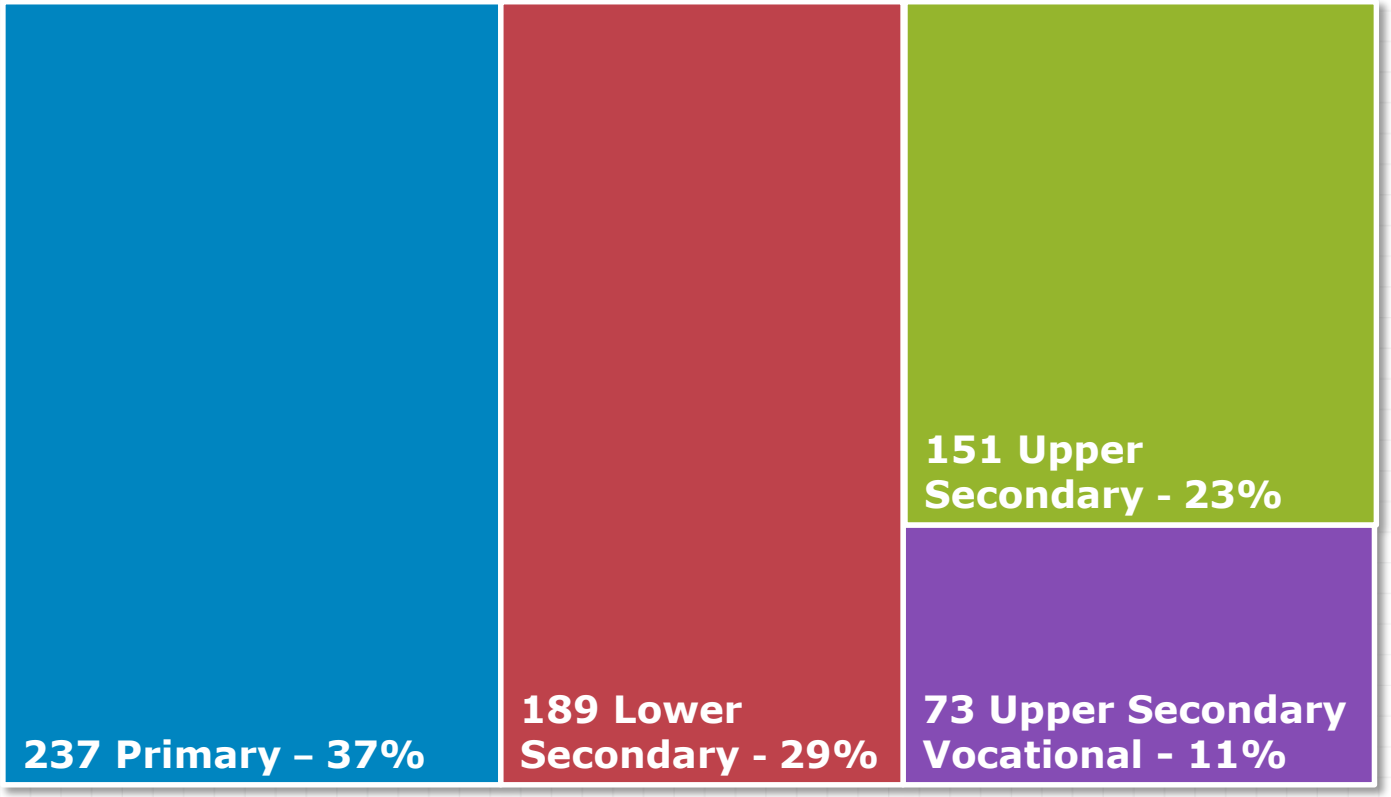
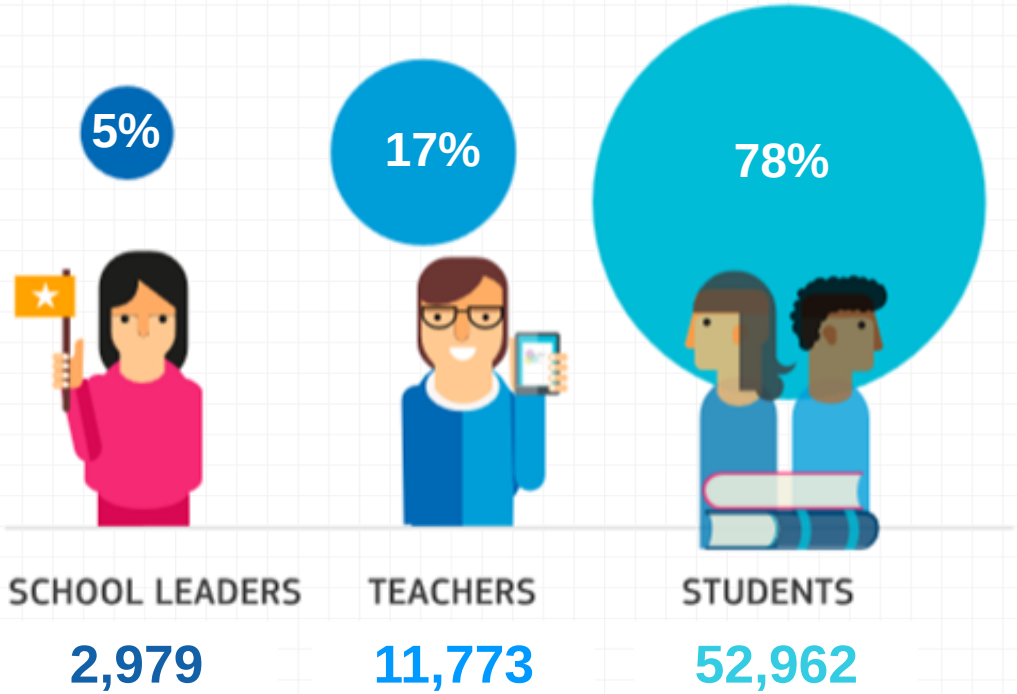
650 schools



67,714 users



Far more than originally planned!

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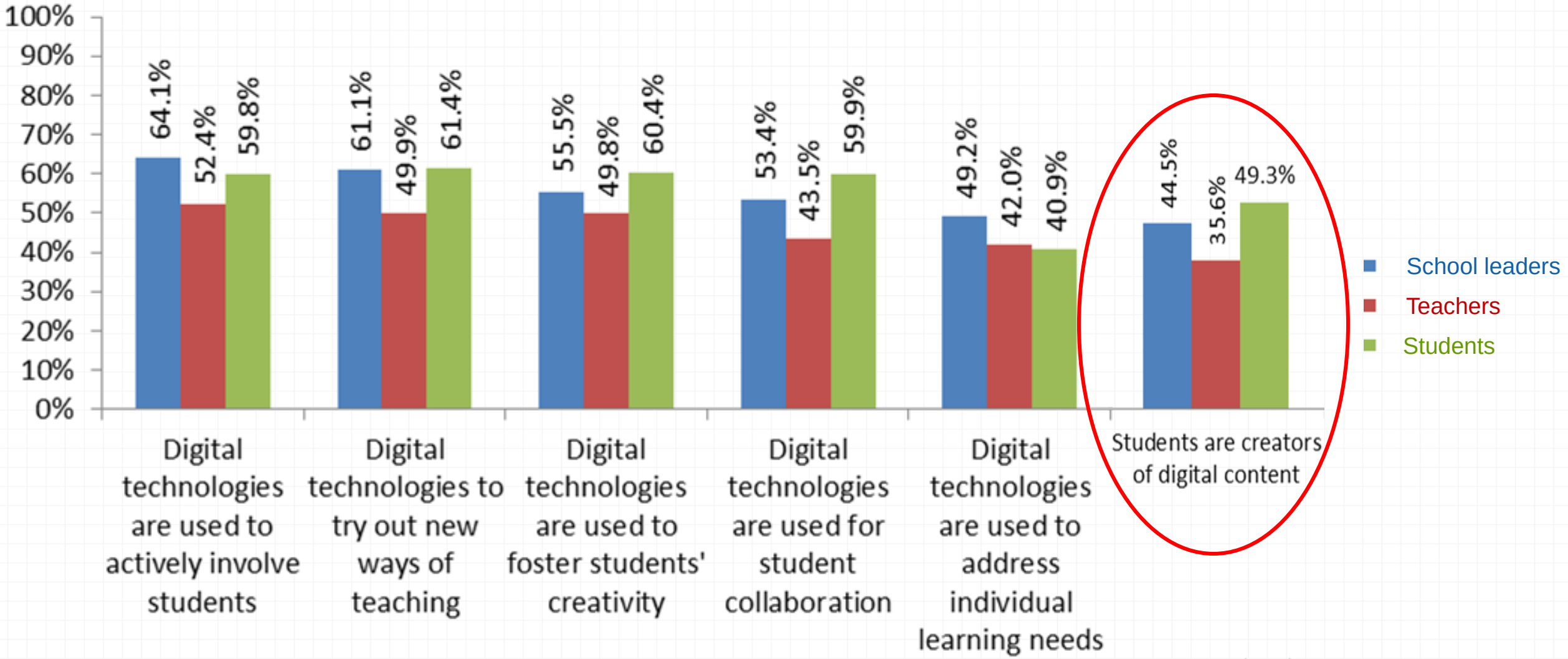
An example of SELFIE data: Teaching and learning practices



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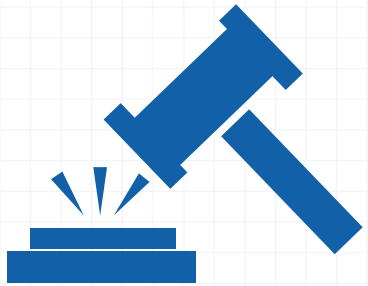
Key findings from SELFIE pilots

- ✓ SELFIE is a **valid and reliable** tool
- ✓ It **captures well the digital capacity** of schools
- ✓ It is **user-friendly** and works well in all devices
- ✓ It allows for a **time-effective** self-reflection process
- ✓ It is a good basis for **reflection and planning** at school level
- ✓ It can be also useful for **policy making** purposes



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What's next?

SELFIE workshop – end of pilot phase

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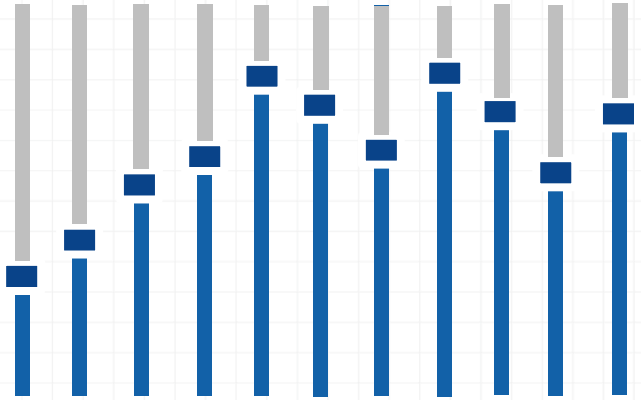
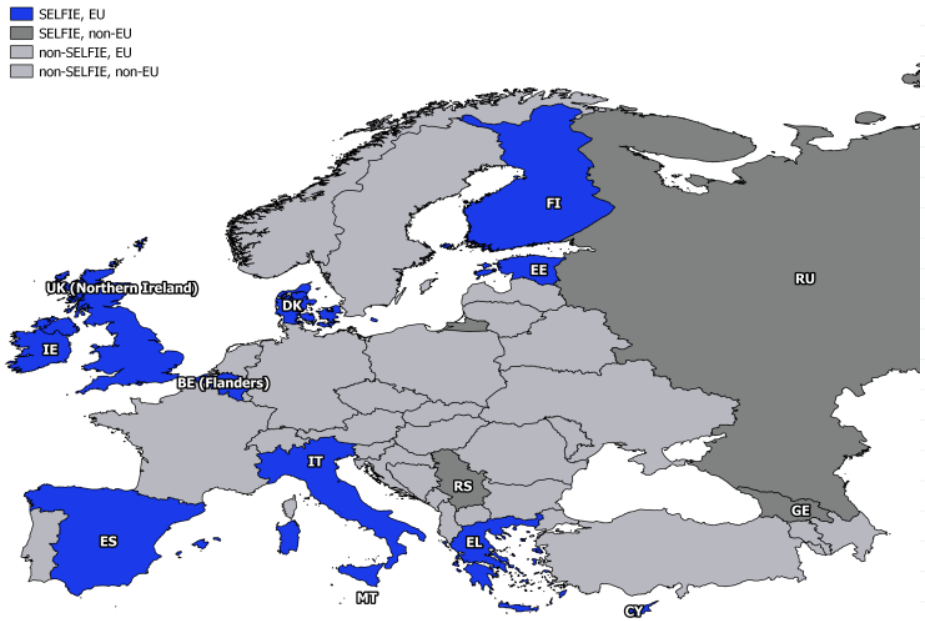
2018 2020

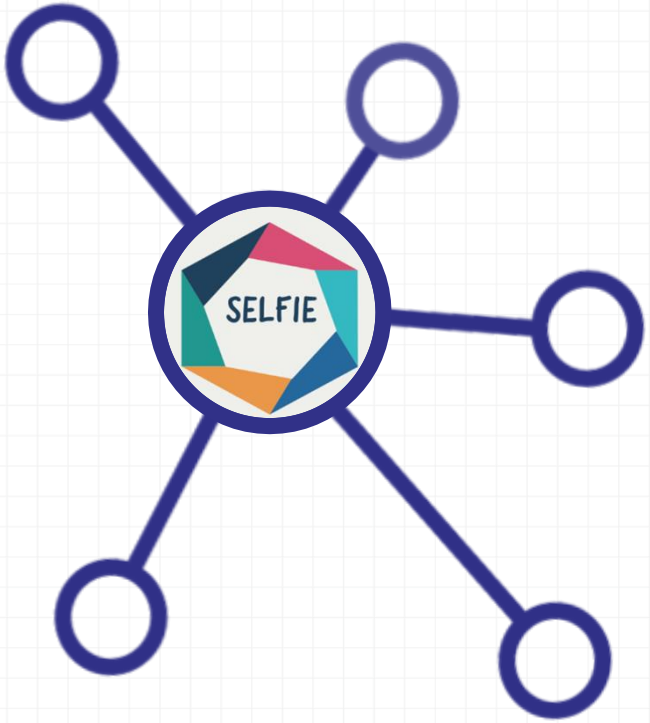


Fine-tuning



Scale up

Digital Education Action Plan:
1,000,000 users by the end of 2019



Ecosystem

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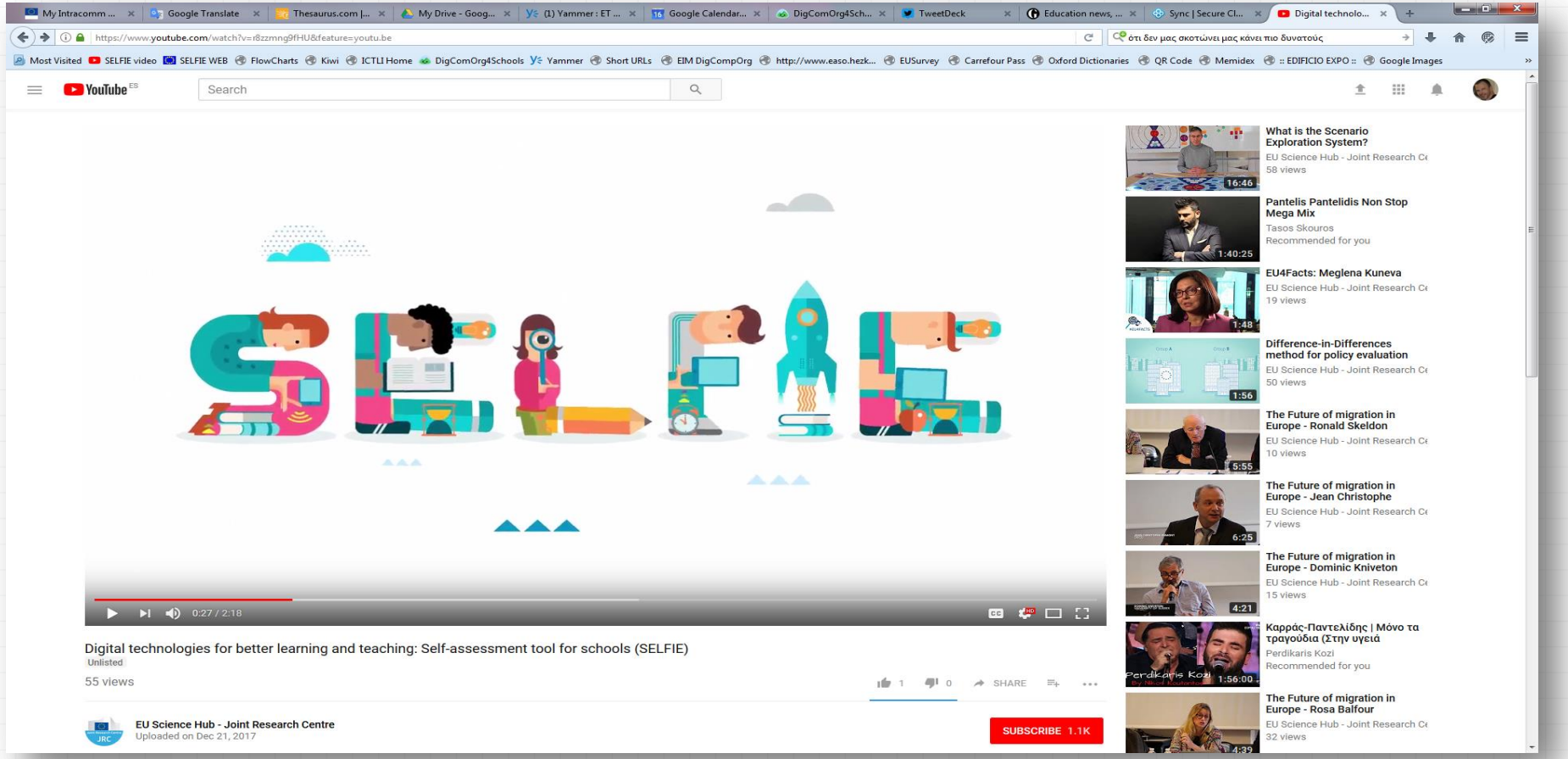
Want to learn more?



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https://ec.europa.eu/jrc/digcomporg/selfie-tool

#SELFIE_EU

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

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Background information

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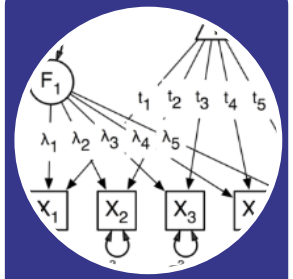
Quantitative analysis

Qualitative analysis

Synthesis and reporting

Item analysis



Factor analysis

Descriptive statistics

20 case studies

Thematic analysis of qualitative data

14 Country reports

Validation workshop

Reporting

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Overview of the pilot phase

Theoretical foundation
DigCompOrg conceptual model with 7 areas, 74 descriptors

Meta-analysis
of 15 existing tools

Consultation with ET2020 Working Group on Digital Skills & Competences

Expert consultation

User consultation
>5000 school leaders, teachers and students

SELFIE community workshop

Participatory design
Mixed method research

SELFIE beta in 12 languages

SELFIE beta testing in 14 countries, 650 schools, >67000 users

>20 case studies
including focus groups & interviews

14 country reports
including lessons learnt & recommendations

Pilot data analysis
including thematic analysis, descriptive statistics, item analysis & confirmatory factor analysis

Validation & scoping workshop

European Commission