EMINENT 2023 – Roundtable 1
Rethinking digital skills for school
Pix is an online service (pix.org/en) that aims at:

- assessing
- developing
- certifying

digital skills
Evaluation is based on an adaptive algorithm

From beginner to expert, the level of the question is adjusted to the learners’ level after each question.

When they succeed, they move up to higher levels and if they have difficulties, they get questions that are within their reach.

Start

Level 2

Level 3 or 4

Level 4 or 5

Level 2 or 3

Level 1

Level 1

A level 2 question is automatically suggested to the learner to start

*The functioning of our algorithm is slightly simplified here!*
Sample question

Open the application.

Save this text in the Admin folder under the name Contract.

Competence: Data management

Assessed skill: Saving a document
Facilitate the work of teaching teams with Pix Orga

- Create personalised test campaigns
- Invite pupils to go through the test
- Manage the day-to-day running of campaigns
- Analyse results
View the results for a group of participants

You can see the average rating and the distribution of participants by success rate.
Analyse the skills profile of the group and of each participant

You can consult the detailed skills profiles of users to guide them more effectively.
A large variety of targeted audiences

Secondary and higher education
100% of schools (4 250 000 pupils)
Over 115 higher education establishments in France, 41 in Belgium and 48 in other countries

Digital inclusion
25 000 beneficiaries trained on Pix

Public Employment Service
900 000 job seekers tested on Pix

For HR and trainers in organizations

Companies, governmental bodies and local authorities
183 000 working professionals

Continuous training organisations
25 000 learners in continuing education

At large scales in national public policies
Pix in the French education system

An ambitious goal

Certification of all pupils in the last year of secondary school (3ème), last year of high school (Terminale), as well as 2nd year for advanced technician's certificate (BTS) and preparatory classes.

Specific evaluation tests for each class level

At the start of the academic year to provide teachers with a first diagnosis and have a global view on results. Students are then offered to undertake disciplinary (more than 70 disciplinary tests available) and thematic tests, such as cybersecurity.

A deployment supported by regional education authorities and a network of ambassadors
Soon: Pix for primary school pupils - Pix 1D

- **Our objective:** Provide all *primary school teachers* with a tool to develop and assess the digital skills of all CM1-CM2 pupils (*year 4 and 5 of primary school*).

- **Enable all pupils to make progress** with specific, appropriate content

- **Facilitate pupils’ assessment** following the French framework for Digital Skills (aligned on DigComp)

*A design adapted for kids*
Soon: Pix training modules to support learners’ progress

- Pix teams are currently working on a new way of training on Pix: code name ‘Modulix’
- Learners will be able to follow a path that includes both lessons and practical activities
- Within activities: immediate feedback, clues to help find the answer and opportunity to try again
- A review mechanism: to go through past lessons again and check if the skills are acquired