pix
An **online public service** for

1. assessment
2. development
3. certification

of **digital literacy skills**
A service thought for everyone

- Pupils
- Students
- Workers / Job Seekers
- Citizens
An open source platform that can be shared with others countries ... and UIS (SDG 4.4.2)?
HOW PIX ASSESSES DIGITAL SKILLS
650 items covering the 5 areas of EU DIGCOMP

Information and data literacy
Communication and collaboration
Digital content creation
Safety
Problem solving
8 proficiency levels

1. INFORMATION & DATA LITERACY
2. COMMUNICATION & COLLABORATION
3. DIGITAL CONTENT CREATION
4. SAFETY
5. PROBLEM SOLVING
An evidence-based assessment
When was the astronaut Roberta Bondar born?

Date of birth: Year
In the city of Dingle (Ireland), into which road leads the An Cuilín Street?

Road: ________
Display only students who are 20 years old from Bristol having a grade greater than or equal to 12. Which word appears in the column "Code"?

Choose the file type you want to use:
- fichier .xls
- fichier .ods

Télécharger

Word:
Align the poem’s title to the center of the page.
Which word appears?

The rose family

The rose is a rose,
And was always a rose.
But the theory now goes
That the apple’s a rose,
And the pear is, and so’s
The plum, I suppose.
The dear only knows
What will next prove a rose.
You, of course, are a rose –
But were always a rose.

Robert Frost

Word:
An adaptive test
Vous avez 16 compétences à tester.
On se concentre et c'est partit !

Le profil Pix évolue. Découvrez ce qui change.
Targeted training recommendations
An additional tool for teachers, companies and policymakers to monitor digital skills.
Pix Orga allows:

> to **select items** to be assessed
> to **invite** pupils, workers or citizens to the tests
> to **manage team members**
> to get **individual and collective learning analytics**
> to **export** the whole data
Matthieu C

Avancement: 100%
Commencé le: 11 déc. 2018
Partagé le: 11 déc. 2018

Acquis validés: 44
Acquis évalués: 47
Résultat: 94%

Compétences (3)

- Mener une recherche et une veille d'information
  Résultats: 90%
  Acquis validés: 19
  Acquis évalués: 21

- Gérer des données
  Résultats: 100%
  Acquis validés: 10
  Acquis évalués: 10

- Traiter des données
  Résultats: 94%
  Acquis validés: 15
  Acquis évalués: 16
<table>
<thead>
<tr>
<th>Nom</th>
<th>Prénom</th>
<th>Résultats</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Marion</td>
<td>96%</td>
</tr>
<tr>
<td>A</td>
<td>Narcisse Herrmann</td>
<td>En cours de test</td>
</tr>
<tr>
<td>B</td>
<td>Yannis</td>
<td>85%</td>
</tr>
<tr>
<td>B</td>
<td>Sylvain</td>
<td>En cours de test</td>
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PARTNERSHIP PROJECT
UIS - Pix
Goals

**Primary goal**: the implementation through Pix of a digital literacy skills survey as part of the data collection necessary for monitoring indicator 4.4.2

**Secondary goal**: making the Pix "citizen" and "teacher" services available internationally. Besides measuring indicator 4.4.2, the partnership would also strengthen the ability of countries to achieve their objectives in the area of digital skills.
Proposed roadmap

Following discussions with UIS, we propose an *incremental strategy*, allowing each year to assess the added value of the partnership, adapt the objectives and means.

- **2020**: a “proof of concept” survey in France
- **2021**: the first international survey (target: 15 countries)
- **2024**: the second international survey (target: 50 countries)
- **2027** and **2030**: the 3rd and 4th international survey (target: 70 countries)
Proposed actions

A. Preparatory actions: the adaptation of Pix for international use

Prior to any use of Pix outside the French context, major work needs to be put in place first of all for IT development, but also in terms of production of content (tests, documentation). Main action: making the Pix platform multilingual (4 versions).

These investments should be made in 2020 in order to have technical capacity to respect the above mentioned roadmap.
B. Implementation via Pix of the "global digital literacy indicator" survey

The items to be evaluated in the survey will be selected by the UIS, so as to meet the requirements of the UNESCO Digital Literacy Global Framework, within 650 items of the Pix achievement bank.

Additional item production capacity will be reserved to integrate eventual adaptations needs or additions of items.

Test runs in different countries will be based on the same set of items, but will benefit from the Pix adaptive test algorithm developed in free software, to reduce the duration of evaluation sessions.
In each country, a **population representative sample** will be selected, with the assistance of national statistical partner institutes.

These campaigns will be **managed and administered by the national statistical institutes** through Pix Orga.

**PIX and UIS will play a role of coordinating the national assessment campaigns.**
C. Sharing the Pix "citizen" and "teacher" services with a community of interested countries

As mentioned above, the work carried out in 2020 to achieve Objective 1 would enable Pix to give free access to its services "citizen" and "teacher", scheduled for 2021.

The concept note details different actions to:
- Ensure free access of Pix “citizen” service in the long term to speakers of the four selected languages
- Stimulate and support the deployment of Pix "teacher" service to educational/academic systems of the interested countries
- Make Pix a common good managed by a transnational pedagogical community
Thanks