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) ?

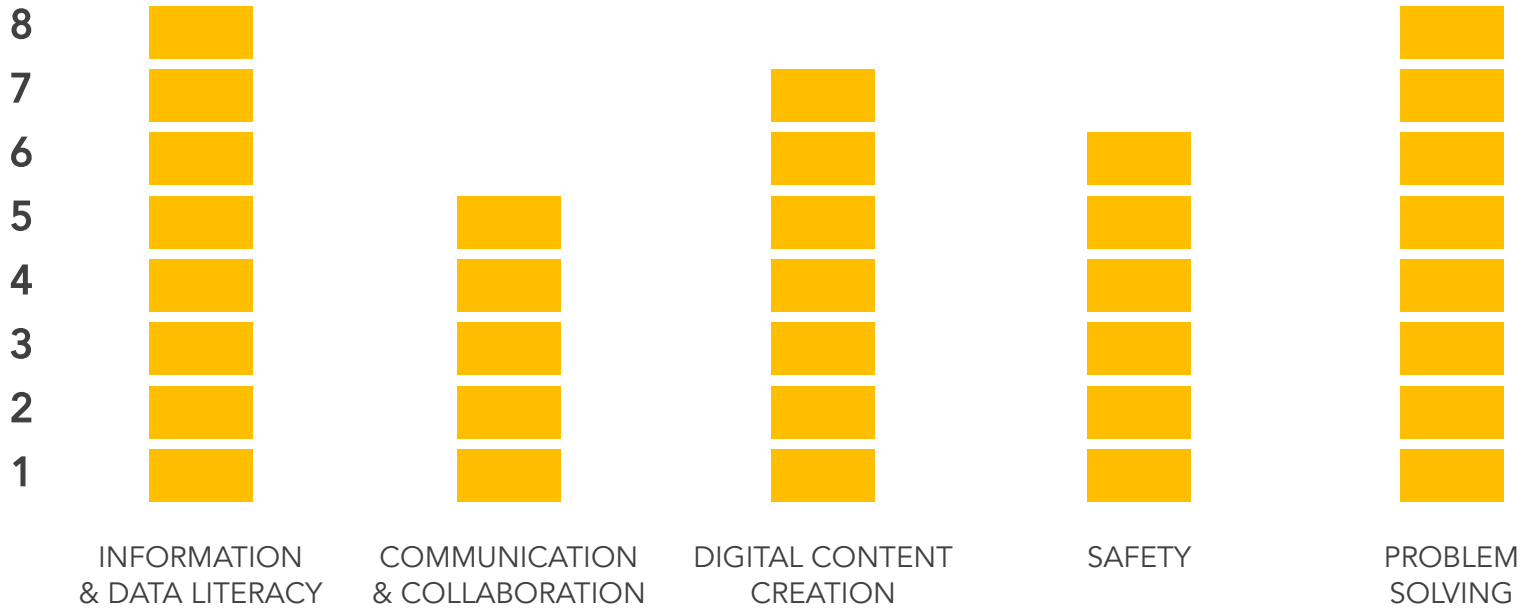
1

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



An **evidence-based** assessment

When was the astronaut Roberta Bondar born ?

Date of birth : Year

JE PASSE

JE VALIDE

In the city of Dingle (Ireland), into which road leads the An Cúilín Street ?

Road :

Je passe

JE VALIDE

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" ?

Choisissez le type de fichier que vous voulez utiliser

(•) fichier .xls ( ) fichier .ods

TÉLÉCHARGER

Word :

JE PASSE JE VALIDE

Align the poem's title to the center of the page.

Which word appears ?

Poem

File Edit View Format

Formats

The rose family

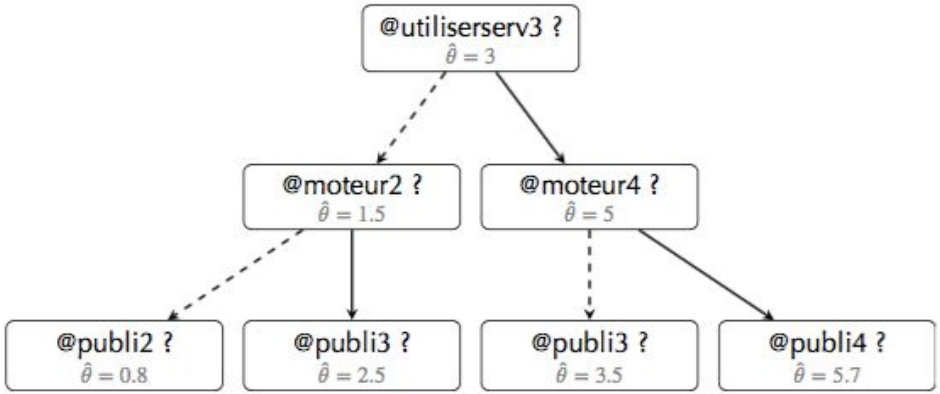
The rose is a rose,
And was always a rose.
But the theory now goes
That the apple's a rose,
And the pear is, and so's
The plum, I suppose.
The dear only knows
What will next prove a rose.
You, of course, are a rose –
But were alwas a rose.

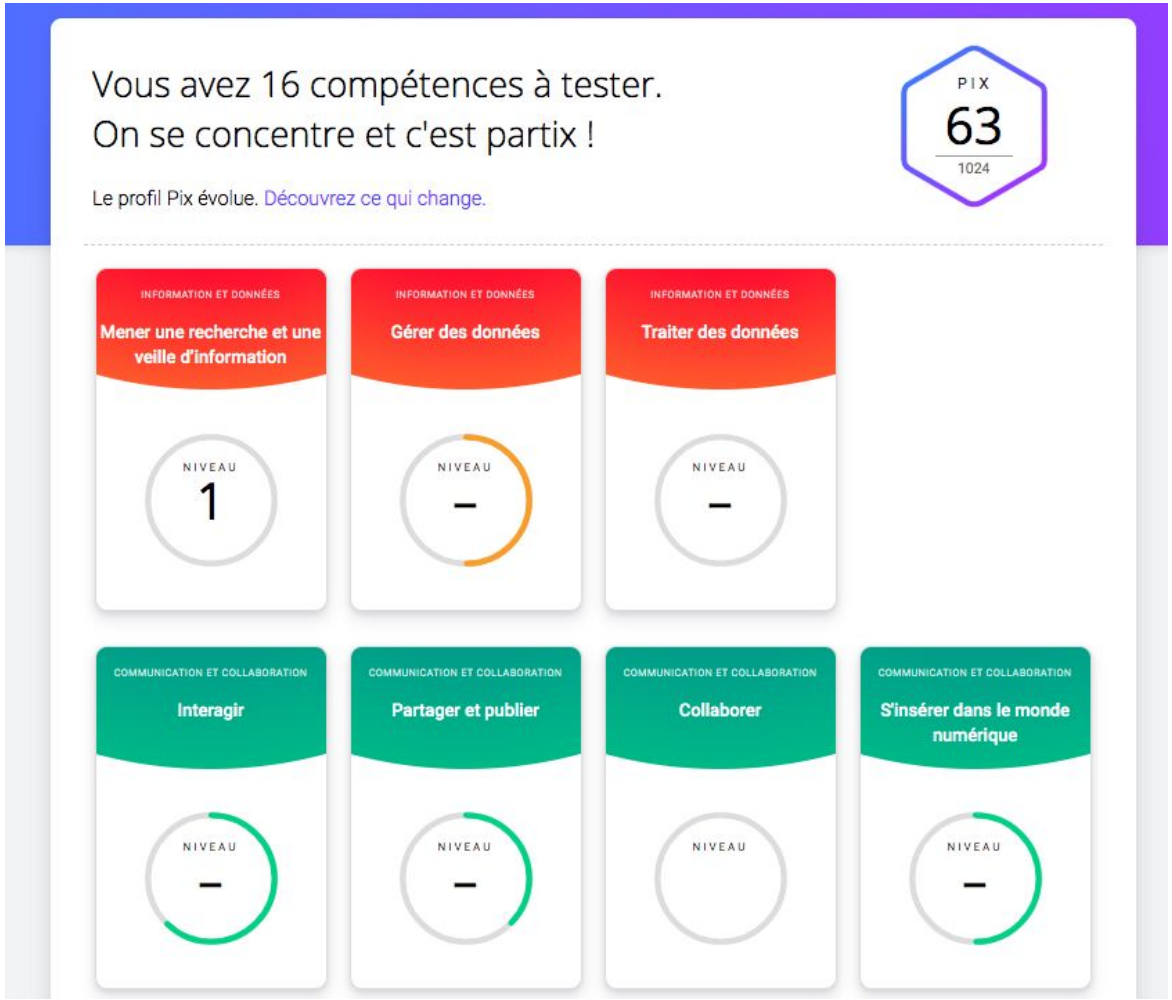
Robert Frost .

Recharger l'application

Word :

An **adaptive test**




Vous avez 16 compétences à tester.
On se concentre et c'est partix !
PIX
63
1024
Le profil Pix évolue. Découvrez ce qui change.
INFORMATION ET DONNÉES
Mener une recherche et une veille d'information
NIVEAU
1
INFORMATION ET DONNÉES
Gérer des données
NIVEAU
–
INFORMATION ET DONNÉES
Traiter des données
NIVEAU
–
COMMUNICATION ET COLLABORATION
Interagir
NIVEAU
–
COMMUNICATION ET COLLABORATION
Partager et publier
NIVEAU
–
COMMUNICATION ET COLLABORATION
Collaborer
NIVEAU
COMMUNICATION ET COLLABORATION
S'insérer dans le monde numérique
NIVEAU
–

Targeted training recommendations

pix ORGA

An additional **tool** for teachers, companies and policymakers to **monitor digital skills**.

Pix Orga allows :

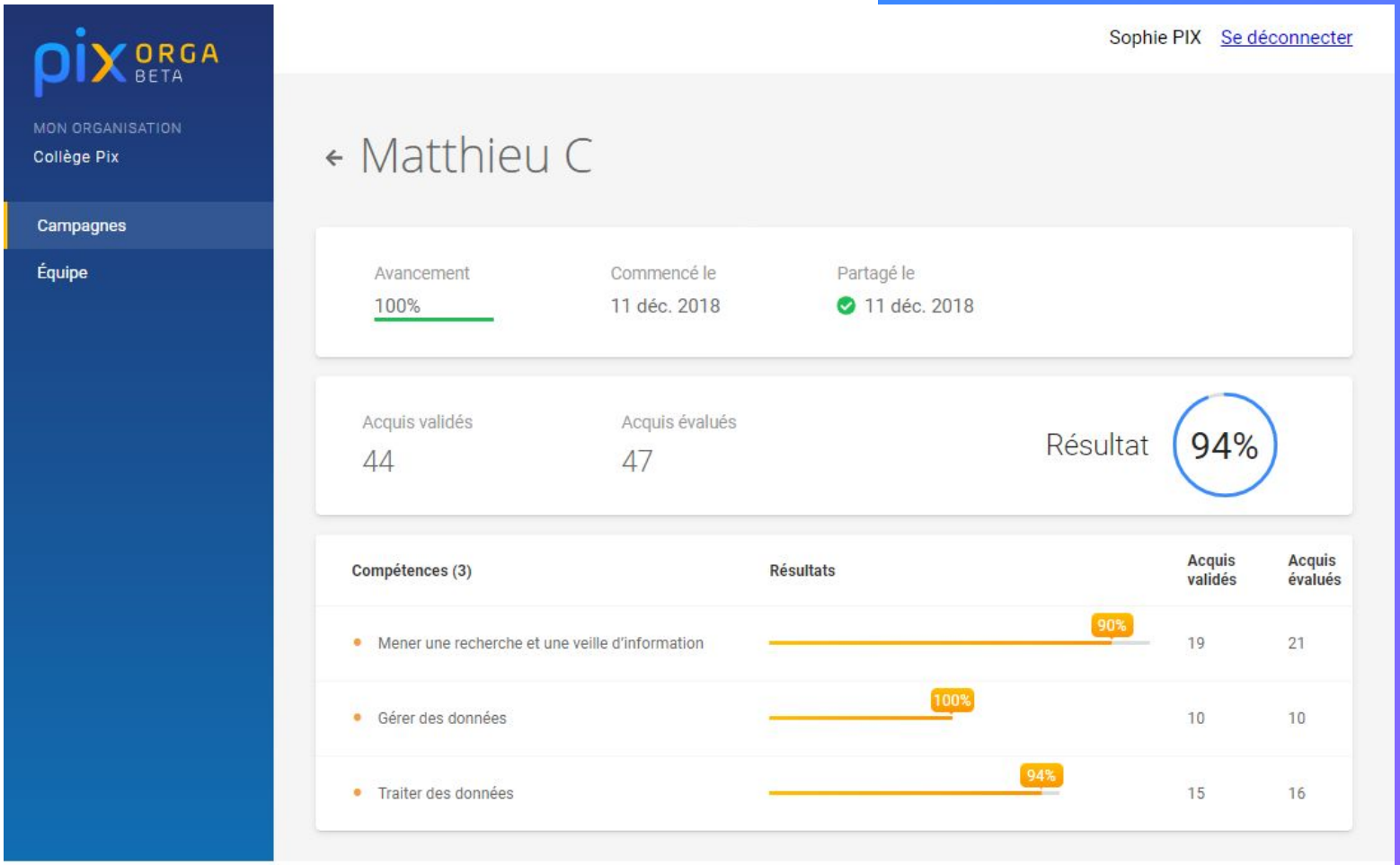
> to **select items** to be assessed

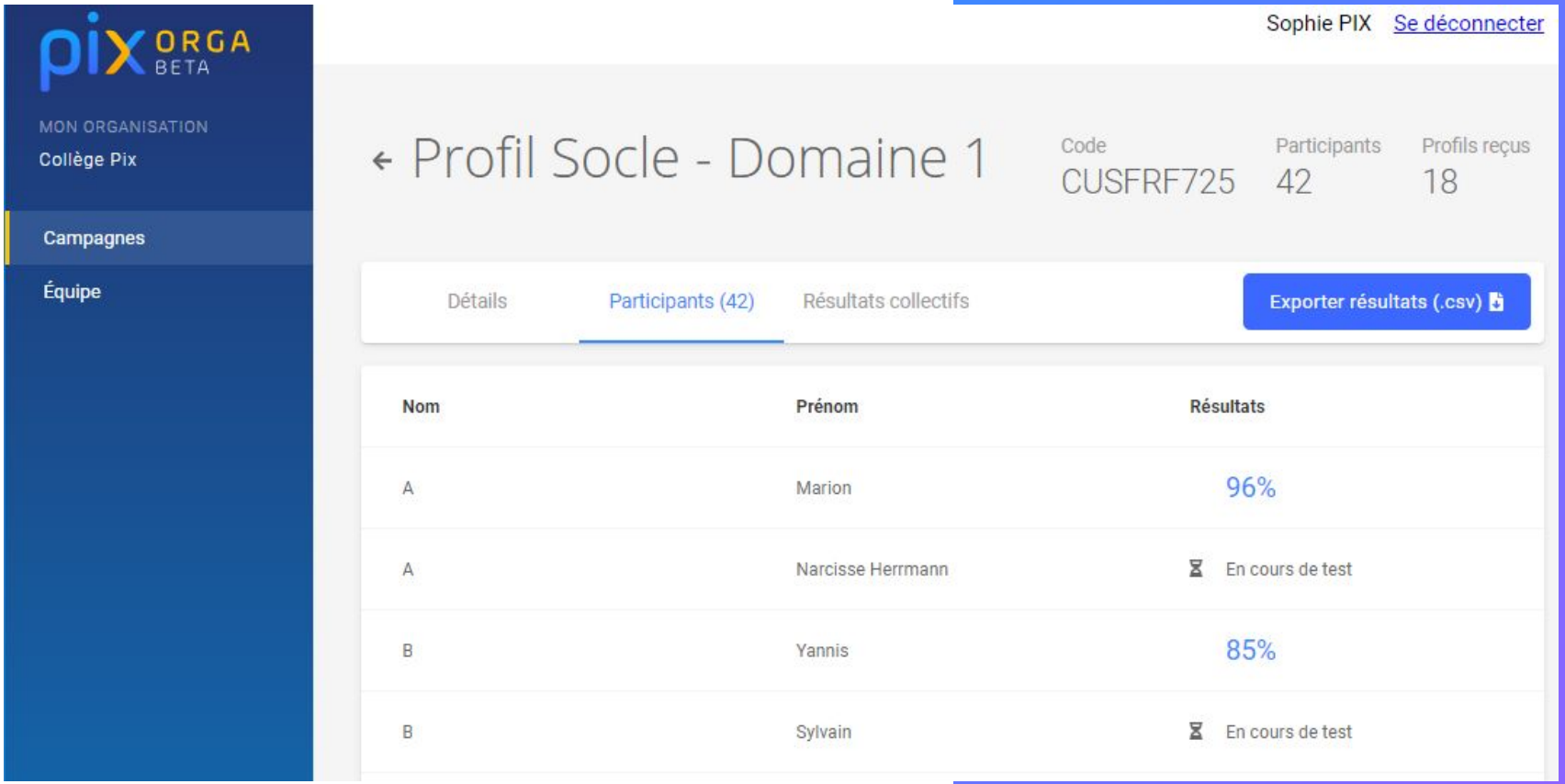
> to **invite** pupils, workers or citizens to the tests

> to **manage team members**

> to get **individual and collective learning analytics**

> to **export** the whole data


pix ORGA BETA
MON ORGANISATION
Collège Pix
Campagnes
Équipe
Sophie PIX Se déconnecter
Matthieu C
Avancement
100%
Commencé le
11 déc. 2018
Partagé le
11 déc. 2018
Acquis validés
44
Acquis évalués
47
Résultat
94%
Compétences (3)
Résultats
Acquis validés
Acquis évalués
Mener une recherche et une veille d'information
90%
19
21
Gérer des données
100%
10
10
Traiter des données
94%
15
16


pix ORGA BETA
MON ORGANISATION
Collège Pix
Campagnes
Équipe
Sophie PIX
Se déconnecter
Profil Socle - Domaine 1
Code
CUSFRF725
Participants
42
Profils reçus
18
Détails
Participants (42)
Résultats collectifs
Exporter résultats (.csv)
Nom
Prénom
Résultats
A
Marion
96%
A
Narcisse Herrmann
En cours de test
B
Yannis
85%
B
Sylvain
En cours de test

2

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