O2 - BUILDING A LEARNING COMMUNITY AROUND EDUCATIONAL TECH

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Building a learning community around Educational Tech

Whether you are a teacher or a trainer, school life or administrative staff, managers, the national #acoustic program of agricultural education, offers to contribute to the construction of a learning community around educational technology.

Thanks to innovative digital tools, Open badges, you will be able to make your interests, skills, learning, practices or collective projects visible.

Open badges, due to their social dimension, make it possible to connect individuals within communities of practice with the aim of exchanging between peers, identifying new skills to acquire and discovering learning opportunities.
Why ?

Context
Technological innovations affect the way we learn, share information and interact socially and professionally. In the field of education and training, the digital transition has questioned the field of pedagogy for many years, in particular because of the easier access to the Internet and its immense resources.

The questions that arise for educational teams are as follows:

- How and when to integrate digital technology into their teaching practice to improve learning?
- How to use technology for your own professional practice?
- How to acquire the necessary skills and make sure to keep them?

Experimenting
The acoustice program is based on recent research, including André Tricot (https://www.youtube.com/watch?v=IqCVrNMp_oQ) which teaches us that true innovation are not situated at the level of the main principles but at that of concrete micro-achievements necessarily linked to a precise context. It is therefore in your discipline, in your class, in your establishment, that you experience and can promote “what works” with your learners. André Tricot also tells us that the use of technology is one of the modalities among the wide range of skills that a teacher must have to capture attention, support motivation and engage his students in their learning. Digital tools remain tools at the service of pedagogy and are not pedagogy.

Knowing yourself, recognizing yourself and sharing
Faced with the incessant changes due to technological progress, you have to stay on constant watch if you don’t want to be out of step with others or have your skills quickly exceeded. Training through ad hoc internships is no longer enough and you must now see your training “throughout life”, and be part of a process of continuous professional development.

However, in a rapidly changing world, learning alone is not the most relevant modality. Digital technology offers unrivaled possibilities to access scientific enlightening resources, and to share learning and experiences. Technology for more collaboration and social ties.

We believe that we must fully enter into a culture of cooperation. Documenting and sharing our successes and failures will benefit everyone. Everyone can contribute to this change and practice it for themselves, says François Taddei in Apprendre au XXIème Siècle - https://youtu.be/BhunNczVNaA

To echo the work of Claire Héber-Suffrin in the context of networks of reciprocal exchange of knowledge, we want to learn together, in a logic of reciprocity, to build a learning community around technology for education: what is the purpose of the acoustice program.

https://youtu.be/q4BQDMGn3ps

The main objective of this guide is to encourage you to explore new ways of recognition, using tools called Open badges. The reference framework of the European ERASMUS MIRVA project served as the basis for the development of this guide. We think that any training project must start with recognition: recognition of your skills and know-how, your aspirations, your interests, the needs you express.
Why ?

Context
Experimenting
Knowing yourself, recognizing yourself and sharing

How?

What is an Open badge?

Follow Fabien, teacher in Zootechnics

FABIEN, 35, teacher in Zootechnics.

Profile
Claim a badge
Make your badge visible
Discover badges and people
Interacting with the beneficiaries of a badge

PERSONAS from acoustice

Follow Sophie, teacher of history and geography
Follow Christophe, EdTech referent
Follow Anthony, trainer in hydraulics
Follow Philippe, trainer
Follow Michèle, training engineering manager
Follow Antoine, student

Acoustice showcase
How?

Thanks to the Open Badges, which will allow you:

- to make your skills, your practices, your experiments and your existing projects visible,
- to be able to recognise yourself among peers (mutual aid, collaboration, expertise)
- to facilitate the creation of groups of practices (on subjects that bring you together)
- highlight your achievements and your commitment
- to make the learning opportunities more legible
- to identify new skills to acquire
What is an Open badge?

An Open Badge is an image that contains verifiable data related to an experience, a skill, a role or an affiliation ... and many other things.

Here is an Open badge (role facilitator of acoustice) posted on the Web

The informations which appear in the badge are:

- the name of the badge
- the description of what it covers;
- the criteria (what had to be done to obtain the badge);
- the issuer : the person or structure that issued the badge;
- the beneficiary : the person (s) or structure who received this badge;
- evidence or traces (to support what the badge recognises);
- endorsement (the fact that other people or structures approve this badge, or support the person who received it or the issuing structure);
- the date of issue and the period of validity of this badge

Please note!

Open badges is an open source standard. The information is incorporated into the badge image and the email address is encrypted to guarantee the anonymity of the beneficiary if he wishes so. The badge is personal, and the bearer can decide to share it, keep it for himself, or delete it. Open badges respect your personal data. The badge must be accepted by the beneficiary. Nobody can badge you in spite of you!
Follow Fabien, teacher in Zootechnics

FABIEN, 35, teacher in Zootechnics.

He will create his passport and claim his first Open badge.

To understand what an Open badge is, we invite you to follow Fabien, 35, teacher in an agricultural high school in Ploumaniaque in Brittany. He feels good in this establishment. From the window of the teachers' room, it has a magnificent view of Mont Saint-Michel on the other side of the border.

Before starting, he must create a free account on an Open badge management platform. Anthony, his EdTech referent, explains to him that he can use the Open badge Passport platform from which Fabien can:

- store his Open Badges
- manage the visibility of his badges (public or private)
- exchange with other beneficiaries of the same badge
- browse the Open Badges gallery.

Fabien is convinced and begins to create his account on https://openbadgepassport.com/

- Registration -
Profile

Now that the account is created, he arrives on his dashboard.

From this page you can use the top menu to view complete profile:

The choice of the image that will be displayed in their profile is important, Fabien hesitates!!
Now that the account is created and the profile completed, everything is ready to explore the Open badges on acoustice.
Fabien therefore decides to go to https://acoustice.educagri.fr in the #start menu.

He clicks on the image to claim his badge: I explore the Open badges from acoustice.

He arrives on a form which asks him for the information necessary to obtain the badge.

At a minimum, he must indicate his email address and name. Indeed, it is thanks to the email address that Fabien will be able to prove that the badge is his own.

He clicks on the Submit button.
He connects again with his Passport and arrives on his dashboard and sees that he has a badge waiting! Fabien is happy, he accepts the badge!
**Make your badge visible**

By default, your badge is private. He is the only one who can see it. He sets it in public mode so that it is visible to the whole world. *When you are proud of your badge, you show it!*

![Image of badge visibility settings]

Even better, Fabien decides to **geolocate** so that his colleagues from other agricultural high schools can know where he is. He goes to the “My Account” section and places the marker on his establishment. At the same time, he participates in making his interest in Open badges visible. Thanks to this, other people can discover his interests and the acoustice program!

![Image of geolocation settings]

**An Open badge allows you to make your interests visible!**
Discover badges and people

Fabien is curious to know if other people have the same badge as him and decides to navigate in the Open Badge Passport gallery.

He clicks on the profile of Cécile who seems to be working around Rouen, in Normandy. He realises that she has a lot of badges!

Navigating the gallery allows you to discover interesting people and badges!
Interacting with the beneficiaries of a badge

Fabien is very keen to know more. He notices that one can write a comment on the badge.

Open badges allow you to get in touch with their beneficiaries!

Let's recap with Fabien, what he discovered with this first Open badge.

- He created a free account on an Open badges platform
- He asked for his first badge and accepted it
- He made it public and geotagged
- He was able to discover that other people had the same badge as him
- He wrote a comment on a badge

Indeed, the information contained in the badge can be exploited with the agreement of the beneficiaries, to reveal for example the following information:

- Who else has the same badge as me: who has the same interests, or who learns the same thing as me... etc
- Where are the people who have the same badge as me?
- What badges did this person get?

Fabien immediately talks to his colleagues to encourage them to claim their first badge.

It's up to you to ask for yours if you want to join the community!
PERSONAS from acoustice
To allow you to better understand how we will build the learning community with you, we suggest you read the stories below. Each story presents one or more uses of Open badges.

FABIEN, 35, teacher in Zootechnics.
He will create his passport and claim his first Open badge.

Sophie, 40, teacher of history and geography.
She wants to develop her skills in GIS

Christine - 38 years old - EdTech referent in high school
She will make visible her desire to contribute to a project

Anthony - 28 years old - trainer in hydraulics and water treatment
He will allow his apprentices to discover the world of FabLabs and allow them to obtain open badges to recognize their learning achievements.
Philippe - 48 years old - trainer
He created his own badge to claim a skill

Michèle - 42 years old, training engineering manager in Dijon
She is looking for people who would like to present their projects at the next digital educational seminar.

Antoine - 20 years old - BTS student
He will publish his Illustrator badge and be spotted by his establishment
Follow Sophie, teacher of history and geography

Sophie, 40, teacher of history and geography.
She wants to develop her skills on GIS

Sophie is a teacher of History-Geography at the agricultural Highschool of CastelManiac in Tarn et Garonne. She wants to train in GIS because these tools are used more and more by professionals.

She discovers the open course of Henri Combeau, which can be followed online on the acoustice platform.

After completing the course, she requests her completion badge to certify that the training has been completed. She publishes it in the Open Badge Passport gallery.

Sophie is very satisfied with the course that Henri created and wishes to thank him for the quality of his work. She discovers while browsing the Open Badges Passport gallery that Henri Combeau has an open acoustice course designer badge and she decides to endorse it.
- Open badges allow, thanks to endorsements, to make visible the recommendations that are made to the owner of the badge. -
Sophie is contacted by Fabien, the Zootechnie teacher, who discovered her badge in the Open badge passport gallery and asks her where she followed this training.

Thanks to Sophie, Fabien discovered a learning opportunity that he might not have discovered otherwise.

- **Open badges create a link between beneficiaries and discover new learning opportunities** -

A few months later after having practiced GIS with her BTS class, Sophie is more confident in this area and claims the badge “I explore GIS in education”. Its purpose is to be able to connect with other teachers who have similar or advanced practices. Sophie still wants to progress.

While browsing the gallery of badges on [https://openbadgepassport.com](https://openbadgepassport.com) she discovers a badge of “Master Cartographer Open Street Map” issued by a Fablab.

She talks with one of the recipients of the badge, who tells her that a community exists around this free tool. After registering on the community's website and having discussions with contributors, she has the idea of creating a **participatory mapping** project on the territory of the establishment with her Bac Professionnel students. **Awesome !**

She creates an OpenStreetMap Contributor badge for her students and contacts the Openstreetmap.fr association to **ask them to endorse the badge**. They accept with pleasure.
The project therefore allowed Sophie and her students to be recognized by the OpenStreetMap community for the contribution they made.

- Open badges allow people to be recognized by communities -

Two of his students have discovered a passion for cartography. They organized a Mapathon in their city. Provided with a map, a pen and a bicycle, each participant has crisscrossed a district to note all the information relating to bicycles (cycle tracks / lanes, bicycle parking, bicycle mis-direction, failed amenities, etc.). In the evening, all the information was added to OpenStreetMap.

The students requested a badge from the American Geographic Society to recognize their commitment as a citizen of the world!
Christophe is an EdTech referent in his establishment in Burgundy. He needs to launch a training plan for educational teams and he is looking for online resources. He does not have much time to train his colleagues himself, however he can guide them, accompany them and help them out just in case.

He will use acoustice to offer open courses to educational teams. The training times will be formalized with his head teacher and positioned on an event called the “EdTech Spring.”

Via this badge of the acoustice program he wants to enhance his involvement in the support of his peers and exchange with his facilitator colleagues. acoustics of other establishments, regions, etc.

He asked for his acoustice facilitator badge.

His commitment was recognized by a network leader who endorsed the badge.

- Open badges make visible ones involvement in a collective project -
Follow Anthony, trainer in hydraulics

Anthony - 28 years old - trainer in hydraulics and water treatment

He will allow his apprentices to discover the world of FabLabs and allow them to obtain open badges to recognize their learning achievements.

Anthony works in the apprentice training center of Maniac in Bigorre. He recently became interested in FabLabs after discovering one at the teacher training center in Toulouse.

He is looking for colleagues who have the same interest in the subject, or who already have a FabLab in their establishment. He publishes an Open badge **FabLab explorer** in the Open Badge Passport gallery. This allows him to connect with people outside of agricultural education who work in third places.

Thanks to the FabLab Explorer badge, Anthony will identify potential partners and will be at the origin of the creation of a collaborative space (on acoustice) to be able to share documents, resources.

Then he goes to the FabLab in the neighboring city with his apprentices to learn about the different machines. **Anthony and his apprentices** get Open badges for what they have learned together.

Some apprentices have voluntarily returned to the FabLab to continue training. Even if these badges did not count in the diploma, they counted in the evaluation of their motivation by their trainers and their training supervisors.

- Open badges are a way to promote learning achievements -
Philippe - 48 years old - trainer

He created his own badge to claim a skill

Philippe is a trainer who is used to training thanks to resources on the Internet. He acquired experience in the animation of videoconferencing. He decides to publish his own badge and adds proof of his competence. He also asks people who can testify of his competence to don his badge.

Philippe has received endorsements from members outside his community!

He was spotted by Agnès, director of an agricultural high school who wanted to train her assistants to use videoconferencing as a regular working method. She is looking for someone to train her teams.

She browses the Open badge passport gallery and discovers the “Videoconference host” badge owned by Philippe. She contacted him and he agreed to train his teams.

- Open badges offer opportunities to pass on ones know-how to others -
Michèle - 42 years old, training engineering manager in Dijon

She is looking for people who would like to present their projects at the next digital educational seminar.

Michèle is looking for teacher-trainers who have innovative practices around connected agriculture.

She browses the gallery of Open badges for agricultural education and finds a badge “FARMBOT Project”.

Farbot is an agricultural robot entirely based on open source technologies that automates the production and maintenance of a small vegetable garden, from planting seeds to burying weeds, monitoring soil and calculated water intake. It is a project that brings together the defenders of technologies and those of organic farming, which responds to ecological, educational and scientific challenges, and brings agriculture into a new era.

The badge allows him to identify project stakeholders and have them testify at the seminar.

Michèle realizes that this badge links all the actors of the project: teachers, professionals, learners, without distinction!

- Open badges allow to recognize all the actors of a project and the partners who recognize them -
Follow Antoine, student

Antoine - 20 years old - BTS student

He will publish his Illustrator badge and be spotted by his establishment

Antoine is a BTS student in a high school and he has a real talent as an illustrator-graphic designer that no staff has knowledge of in his establishment.

His computer teacher told him about Open badges and he came up with the idea of claiming the “illustrator” badge. He attached some of his achievements to his badge.

He was contacted by the director of his establishment to design the new logo for the school!

Open badges allow you to recognise one's talents -
Acoustice showcase

During the confinement, the acoustice program offered a daily webinar for teachers and trainers to facilitate peer learning. After two months, everyone was invited to create their own badge representing what they had learnt. Here is their showcase.