



AILE exploratory action

The goal of the AILE exploratory action was to build upon and consolidate an existing ecosystem around AI and education in the CominLabs perimeter. It aimed at **facilitating mutual actor knowledge**, through **scientific animation** (meetings, seminars) and **supported internships**. It also enhanced the external visibility of this theme through a **public workshop** (*Journée Scientifique*) in June 2019.

Coordinators: Olivier Aubert (LS2N) - Nicolas Hernandez (LS2N) - Jean-Marie Gilliot (LAB-STICC)

Existing project ecosystem

- COCo (CominLabs) - Video annotation and OER
- eFIL (CominLabs) - Exploiting Learning Analytics in a tablet-based pedagogical device
- PASTEL (ANR) - Live lecture transcription and usage
- SEDELA (CominLabs) - Self Data For Enhancing Lifelong learning Autonomy
- *AmbiDYS* (OIC) - Assistance to dyslexic people
- *Hubble* (ANR) - Learning Analytics exploration
- X5-GON (H2020) - Artificial Intelligence and Open Educational Resources
- *ClassCode* - Training teachers in computational thinking and coding

Internships

11 AILE internship subjects were proposed among 4 teams. 5 were funded by AILE, 6 by other projects.

Subject	Trainee	Coach
Development of technical tools for the X5-GON platform	Guillaume Balloud	Walid Ben Romdhane
How do we measure the difficulty of an educational resource?	Maëlle Brassier	Nicolas Hernandez
Analysis of behaviors in virtual reality	Mathis Le Berrigaud	Yannick Prié
What's next (which lecture should I watch between this one and that one)?	Hugo the Baher	Hoel Le Capitaine
Prediction of success / failure in MOOCs	Xavier Pillet	Antoine Pigeau
SPARQL Path Queries on Large Graphs	Julien Aimonier-Davat	Hala Skaf
Chaptering of the transcription of the teacher's speech using his slide show	Axel Rambaud	Nicolas Hernandez
Definition of difficulty indices for OERs	Solène Catella	Colin de la Higuera
Pedagogical resources recommandation	Fatma Miladi	Philippe Leray
User modelling	Marie Humbert-Ropers	Colin de la Higuera
Prediction of the level of self-regulation by a Bayesian model	Selsebil Bel Hadj Sghaier	Jean -Marie Gilliot

Interns shared common spaces on the different sites and participated to common seminars - using videoconference between 3 sites - and workshop.

Workshop - Journée scientifique

Journée scientifique

- In the context of the *Journées Scientifiques de l'Université de Nantes* on 21st June 2019
- More than 60 participants : half academics, a quarter students, a quarter private sector
- NaonedIA invited for discussions

Invited speakers

- Pierre Dillenbourg (EPFL)
Keynote on AI and Education "Le long chemin"
- Daniel Peraya (TECFA, Université de Genève)
Keynote Learning *analytics* : *panorama, limites, éthique*



10 projects presented

More details and slides on <https://aile.comin-ocw.org/js.html>

Followings

Continuing collaborations among members
Common answers to project calls (Cominlabs, ANR...)

Openings with teams in other domains
Many open research questions in the field