

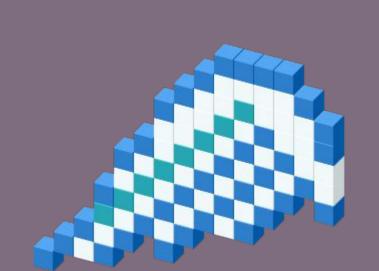
AILE - Al for Learning Environments

DUKE – LS2N – Université de Nantes TALN – LS2N – Université de Nantes GDD – LS2N – Université de Nantes LAB-STICC - IMT-A - Brest













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
- o eFiL (CominLabs) Exploiting Learning Analytics in a tablet-based pedagogical device
- PASTEL (ANR) Live lecture transcription and usage
- SEDELA (CominLabs) SEIf 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

Development of technical tools for the X5-GON platform How do we measure the difficulty of an educational resource? Analysis of behaviors in virtual reality What's next (which lecture should I watch between this one and that one)? Prediction of success / failure in MOOCs SPARQL Path Queries on Large Graphs Chaptering of the transcription of the teacher's speech using his slide show Definition of difficulty indices for OERs Pedagogical resources recommandation User modelling

Prediction of the level of self-regulation by a Bayesian model

Trainee

Guillaume Balloud Maëlle Brassier Mathis Le Berrigaud Hugo the Baher Xavier Pillet Julien Aimonier-Davat Axel Rambaud Solène Catella Fatma Miladi Marie Humbert-Ropers

Selsebil Bel Hadj Sghaier

Walid Ben Romdhane Nicolas Hernandez Yannick Prié Hoel Le Capitaine Antoine Pigeau Hala Skaf Nicolas Hernandez Colin de la Higuera Philippe Leray Colin de la Higuera Jean -Marie Gilliot

Coach

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 chemain"
 - 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

























