Erasmus + Project Launch

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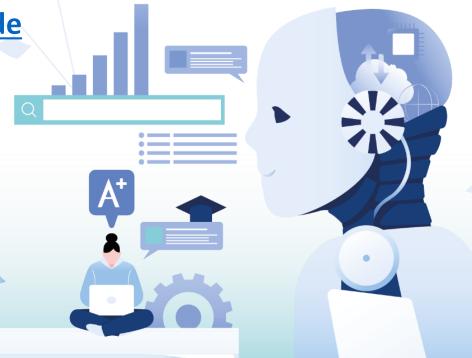
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TaLAI

Teaching and Learning
with Artificial Intelligence
in Higher Education

Presentation overview

- Context
- Aims
- Planned outcomes
- Partner consortium

Context

In digital transformation, higher education plays a key role in society to prepare future professionals and leaders with the digital skills to manage AI ethically.

As the introduction of AI in the labour market will also lead to long-term changes, UNESCO recommended the ethical integration of AI in the context of HE.

In line with the strategic priorities of the Digital Education Action Plan, TaLAI addresses the need of academic teachers and students to harness the potential of AI by **enhancing their digital competencies and skills**.

Context

This requires capacity building and **AI literacy** which is as *"a set of competencies that enables individuals to critically evaluate AI technologies, communicate and collaborate effectively with AI and use AI as a tool online, at home, and in the workplace"* (Long and Magerko, 2020, p.2).

Wang (2021) concluded that the belief in the capacity to use AI tools (self-efficacy) positively influences the use of AI tools in teaching practices. **For teaching staff to have self-efficacy and utilise AI effectively they must have a basic understanding of AI literacy** (Laupichler et al., 2022).

Educators lack training to address emerging ethical questions and there has been no/little consolidation of the use of AI in higher education (Hinojo-Lucena et al., 2019; Holmes et al. 2022).

Project Aim

The **risks and challenges of AI** (UNESCO, 2021), must be addressed to meet **the growing demand of students for educational opportunities with AI** (Wood et al., 2021).

There are ethical concerns including personal data and learner autonomy, bias, fairness, accountability, transparency, autonomy, agency, and inclusion, **educators need to distinguish between 'doing ethical things' and 'doing things ethically',** to be able to choose pedagogies that are ethical, and to consider the ever-present possibility of unintentional consequences (Holmes et al. 2022).

TaLAI addresses the need for **innovative pedagogical & assessment approaches**, focusing on how AI can be ethically integrated into the practice of Higher Education (HE) teachers.

Project Outcomes

RESEARCH

Systematic literature review and empirical research on current usage of AI in higher education by teachers, guiding rules, principles, policies of an ethical AI application in higher education, and its implications on assessment.

POLICY RECOMMENDATIONS

Through the literature review and an empirical study, a research report will be produced. This report informs **policy recommendations for assessment in Higher Education the context of AI,** addressing national and EU level.

COFFEE TALKS

Online talks, open to all and with external **experts** to discuss best practice about assessment and teaching with AI. The aim of the talks are to **learn collectively about an ethical utilization of AI in higher education** and with that also develop the AI competencies and skills of HE teachers.

MAIN OUTCOMES

TEACHER TRAINING

DIGITAL PLATFORM

The Online Course and digital TaLAI Platform will be developed to **enhance the AI literacy and competence of higher education teachers** by providing them with a training and platform with additional content and opportunities for **discussion and sharing of experiences** with other educators. It should provide a digital space for **networking and self-study** in the higher education sector.

AI! TaLAI

The Partners

- The Innovation in Learning Institute at the Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU-ILI) researches digital learning in all fields of education, supporting the digital education strategy of the university through innovative approaches.

- With a multidisciplinary team, it has been widely involved in European R&D Projects in the field of innovative learning technologies, pedagogies and media for supporting learning processes in different settings and for different target groups.

- FAU-ILI trains and coaches academic teaching staff in the fields of e-learning, e-assessment and e-examination.

The Partners

- The association's bespoke knowledge creation and sharing webinars support members in various specific areas.

- Communication services which includes a monthly newsletter which is sent out to over 11,000 subscribers.

- Project facilitation and knowledge sharing service including network facilitation. Will focus on dissemination, communication and networking for the TaLAI project.

The Partners

- The main objectives of the UvA Teaching and Learning Centre (TLC) at the Faculty of Science are to provide educational reform across the faculties, teaching staff development, knowledge development and exchange and a connection with the outside world.

- It offers the University Teaching Qualification Programme and various (advanced) courses for lecturers.

- It collaborates with the UvA Central Teaching & Learning Centre (UvA TLC) to accomplish initiatives across the faculties.

The Partners

- FH-SWF mission is to train specialists and managers in the region of South Westphalia supported by researchers who are successful and active in national and European research networks.

- 4 international degree programs and a large number of international study components in the degree programs.

- Research areas are in Computer Science, Information and Communication Technologies, Optical Technologies, Materials Science and Production Technology, Environmental and Energy Research, Sustainable Agriculture, and Bio- and Nanotechnology.

Questions?

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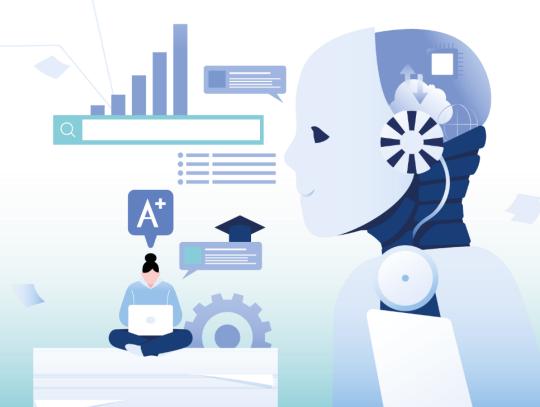**Friedrich-Alexander Universität, Erlangen-Nürnberg**

https://media-and-learning.eu/project/talai/

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