

Core project proposition by the Bordeaux/ Sibiu team

Marie-Christine Deyrich, Magdalena Kohout-Diaz, Marie-Anne Chateaufreynaud, Stefania Kifor, Daniela Roxana Andron

Integration of AI-based tools as part of teacher training: a step towards digital inclusion?

Research questions: Are AI-based tools leading to a new conception of the teachers' work? Of teaching and learning at school? What tools are actually integrated in/adapted to the school system? Can teacher preparation help future teachers deal creatively, confidently and ethically with IA tools?

We believe that AI-based tools impact should be studied in a very specific context, in order to inform research on teachers and teaching on using AI-based tools. We intend to collect data on the subject, conducting interviews and testing tools, having access to the teacher training study area at INSPE in Bordeaux, and the Teachers' Training Department of LBUS Romania. Here's a brief overview of what we would like to be involved in:

This survey is intended to learn more about AI integration in the context of teacher preparation and to examine how this could lead to greater equity and digital inclusion. Areas for exploration intended are as follows:

- a) The tools (without providing a specific list of tools at this stage, this will be added for the focus to be more precise)- existing and emerging tools ; how these tools are used in specific assignments
- b) Teaching practices – Innovative teaching practices, engagement practices, addressing inclusion vs. digital divide, disruption or adaptation of existing practices, development of specific pedagogic strategies (AI- based tools for blended-learning, flipping classroom
- c) Use of IA-based resources: Ethics and learning implications; Appropriate ways of using and citing; Impact on course design and course preparation (visual impact enhancing, storyboards for video lectures); Control of the tools; Functions and limitations of AI tools
- d) Critical thinking development - using AI-based tools in order to support creative thinking and personal development of the pre-service and in-service teachers