Training workshop on Artificial Intelligence (AI) for University Professors and PhD students: "Teaching for AI".

General Objective:

To train teachers and doctoral students in knowledge of AI as an educational tool, reflecting on its impact on teaching roles, and fostering the development of skills needed to **teach for AI, through case studies.**

Programme structure:

Duration. Online: 2 hours.

Teaching for AI:

Encouraging critical thinking and creativity in the classroom is essential in the age of artificial intelligence. As teachers, it seems important to provide students with training in the fundamentals of AI before "officially" introducing the practical use of these tools. This initial approach of **"teaching for AI"** lays the groundwork for us to guide them towards more technical learning focused on understanding and applying AI tools in their daily lives, a subsequent process known as **"teaching about AI"**, as outlined by the Ministry of Education**.** This balance between the use of technology and activities that stimulate reflection, critical thinking, problem solving and creativity is key. These skills are not only valuable in general, but become essential for a critical and conscious evaluation of AI-generated content, promoting responsible interaction with technology.

In this training we will focus on **Teaching for AI.**

1. Rationale and Context

1.1. Introduction to AI

- **Objective: To** become familiar with basic AI concepts.
- **Content:**
    - The ABC of AI and its relationship to teaching roles.

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2. **AI and its educational impact:**

- **Aim: To** reflect on how AI transforms teaching and affects teaching roles. UNESCO Guide Generative AI in Education and Research 2023, by UNESCO.

3. **Learning to ask questions in an AI environment:**

- **Objective: To** teach teachers how to design open-ended questions to interact effectively with AI tools.
- **Content:**
    - How to use effective prompts to achieve valuable educational outcomes.

4. **Key skills for AI:**

- **Objective: To** identify essential skills for learners in the age of AI.
- **Content:**
    - Example of practical activities that encourage critical analysis, creativity and collaborative work. Identification of biases.

Implementation Strategies during Training

1. **Active learning:** Teachers do hands-on activities with real tools to experience how they could use them in their classroom.
2. **Case studies:** Real educational examples are used, such as analysis of AI-generated texts.
3. **Constant reflection:** Participants connect the activities to the challenges and opportunities in their own teaching contexts.

Expected impact:

- Teachers feel empowered to use some AI tools in their classrooms in a way that encourages critical analysis, creativity and ethical engagement.