Artificial Intelligence for professional and pedagogical practices in Higher Education (INFINITE)

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INFINITE
AI in Higher Education

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Where am I from?

Almería

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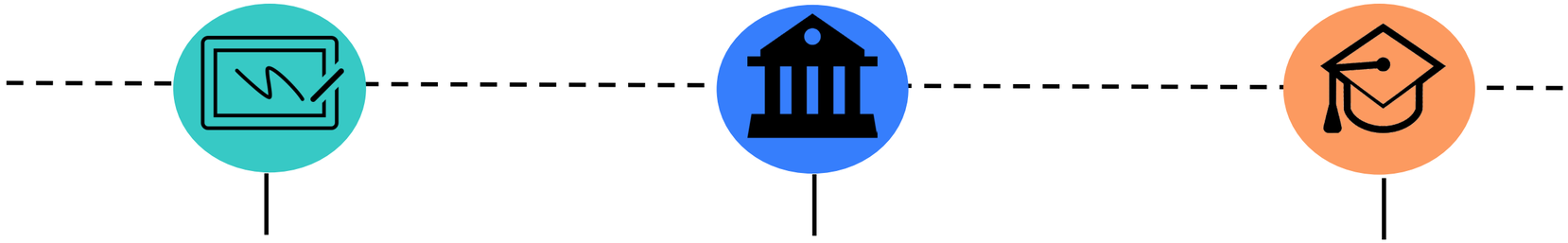
My background



PhD in Science Education

Postdoctoral researcher with a focus on *AI literacy*

Assistant professor

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Centre for learning and teaching

MAMMOth

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ACT-AI
Academy

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INFINITE
AI in Higher Education

Project’s overview

INFINITE
AI in Higher Education

What is the main objective of INFINITE?

INFINITE aims to **prepare** Higher Education (HE) **teachers and students to critically and ethically use AI-based technology** for **their professional and pedagogical practices**, supporting Higher Education Institutions (HEIs) to leverage the best possible outcomes from AI developments

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INFINITE
AI in Higher Education

What are the sub -objectives of INFINITE?

Raise awareness about the affordances and challenges of AI for stimulating innovative professional and pedagogical practices in HE

Develop resources for HE academics to recognize and leverage AI for their professional and pedagogical practice, considering the ethical implications

Build HE academics' and students' digital competences, readiness and resilience to effectively use AI with ethical responsibility and integrity, for teaching, learning and assessment

Promote higher education institutions' digital transformation through capacity-building and preparedness of the HE community, to leverage AI for professional and pedagogical practices

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How are we turning these objectives into concrete actions?

WP1	**Project management:** To ensure effective management and coordination of the project by establishing clear procedures for planning, monitoring, evaluation, and quality assurance.
WP2	**AI literacy toolkit:** To develop the INFINITE AI Literacy Toolkit, an interactive support package that helps higher education academics use AI tools in a critical, ethical and pedagogically meaningful way.
WP3	**AI digital hub:** to create the INFINITE AI Digital Hub, a central online space where the higher education community can explore AI tools, resources, and practical examples for professional and pedagogical practice.

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How are we turning these objectives into concrete actions?

WP4	**AI capacity building and courses:** To design and implement the AI capacity building courses, giving higher education academics and students hands-on opportunities to work with AI tools in realistic teaching and learning situations.
WP5	**Dissemination and sustainability:** To ensure that the project's results are widely shared, used, and sustained at local, national and European levels.

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Who are the partners of INFINITE?

ENHANCING DIGITAL SKILLS ACROSS EUROPE

ALL DIGITAL

CARDET

university of groningen

UNIVERSITY OF THE AEGEAN

UCD DUBLIN

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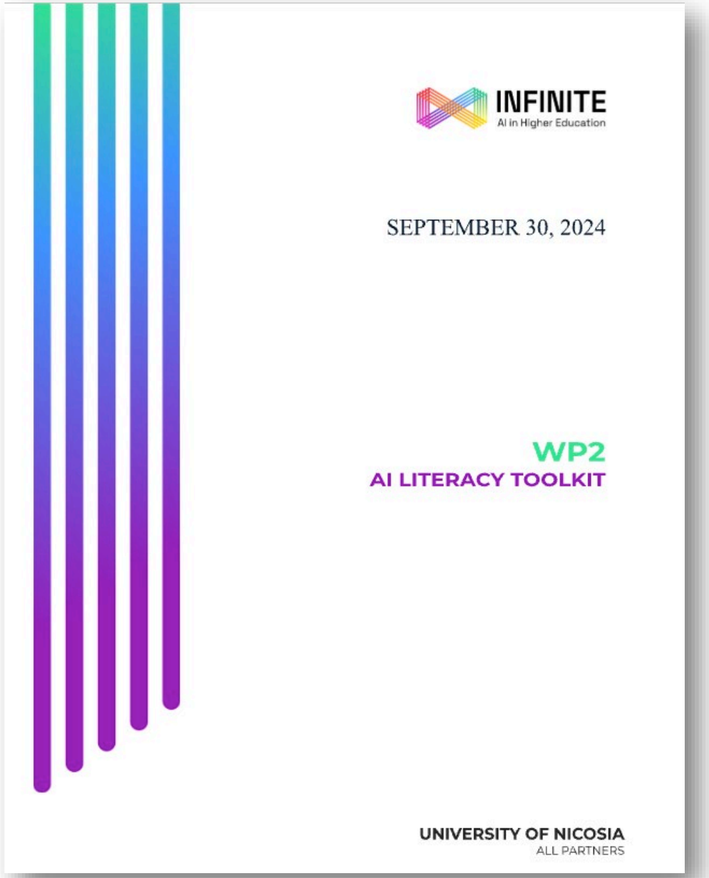
What results have we delivered so far?

WP2 – AI literacy toolkit



What is the AI literacy toolkit?

An interactive support package that helps higher education academics understand how to use AI tools in a critical, ethical and pedagogically meaningful way.

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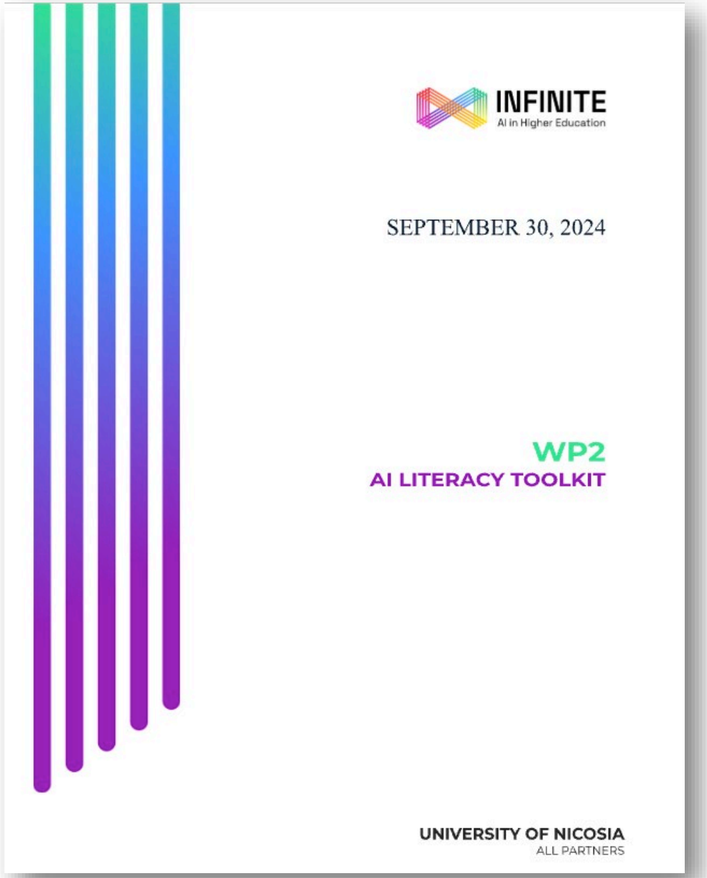
WP2 – AI literacy toolkit



How is the AI Literacy Toolkit structured?

Introduction: The introduction presents the purpose of the Toolkit and explains that it supports academics to use AI responsibly and effectively in higher education.

Theoretical background: It defines key concepts related to AI in higher education and establishes a common understanding for all users before they explore the practical guidelines.

AI tools: It presents a broad overview of AI-based tools that can support research, teaching, learning, assessment and collaboration in higher education.

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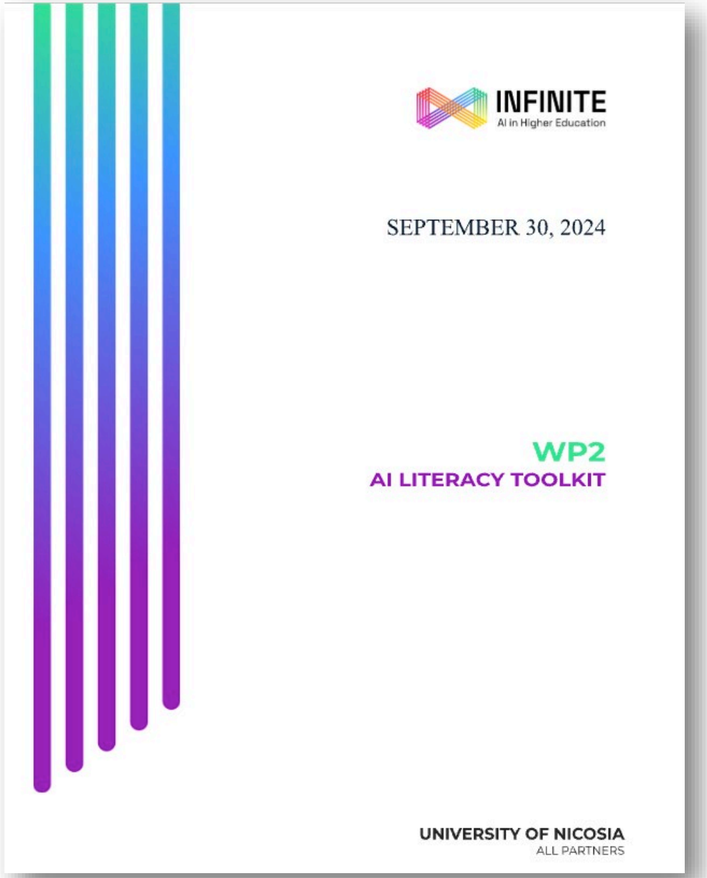
WP2 – AI literacy toolkit



How is the AI Literacy Toolkit structured?

Guidelines: It explains how educators can evaluate AI tools, address key ethical issues, and implement AI confidently in their teaching and professional practice.

AI readiness checklist: It offers a simple tool to help academics evaluate how prepared they are to use AI in their teaching, research and professional practice, identifying strengths and areas that may need further development.

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WP2 – AI literacy toolkit

https://www.infiniteaihub.eu/interactive-toolkit

Exploring the AI literacy toolkit

1. Open the AI Literacy Toolkit.
2. Take **3–5 minutes** to review it freely. You can:
   - scan the structure and main sections
   - look more closely at the parts that interest you most

While you review, reflect on these questions

1. Do you find this Toolkit useful for your context? Why or why not?
2. What would you improve or adapt for your own institution or project?

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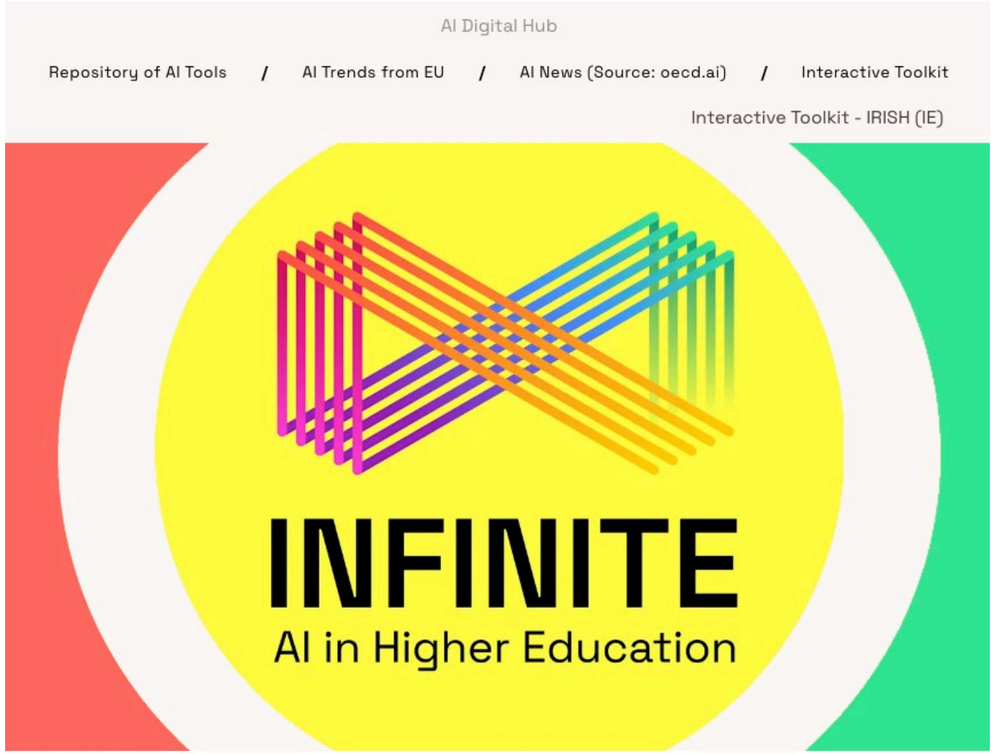
WP3 – AI digital hub



What is the AI digital hub?

An online space where academics/students can explore AI tools, resources and real-time developments. It combines a repository of tools and OERs with an observatory of trends and practical guidance to help educators understand and integrate AI into their teaching and professional practice.

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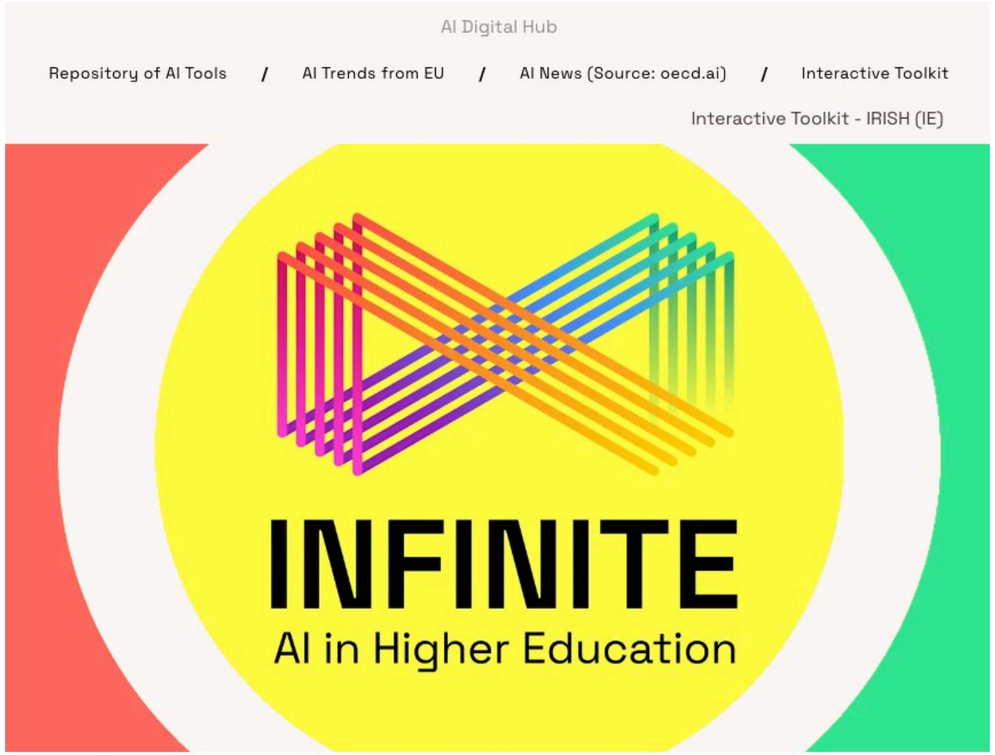

How is the AI digital hub structured?

Repository: It offers a wide collection of resources related to AI in higher education. It includes AI tools, guidelines, books, online training courses, MOOCs and other materials that academics can use to explore, learn and integrate AI into their teaching and professional practice.

AI trends and AI news: This section gives access to a collection of news and updates about AI, both from the EU and from around the world, so academics can stay informed about the latest developments in the field.

AI literacy toolkit: This section gives you direct access to the AI Literacy Toolkit that I mentioned earlier.

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WP3 – AI digital hub

https://www.infiniteaihub.eu/

Exploring the AI digital hub

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2. Take **3–5 minutes** to review it freely. You can:

While you review, reflect on these questions

1. Do you find the digital hub useful for your context? Why or why not?
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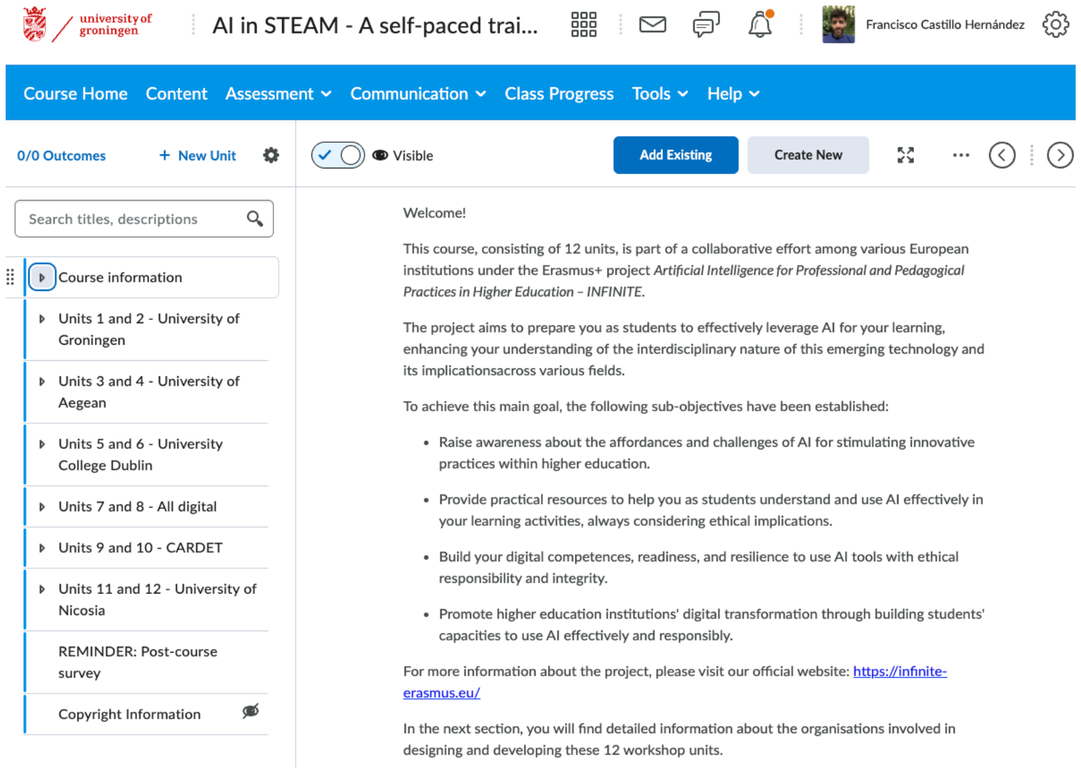
WP4 – AI capacity building courses



What do we offer?

We developed a total of **24 workshops** available through the **online platform:** 12 for students and 12 for instructors. They follow a **blended format**, meaning they can be implemented onsite or completed online in a self-paced way.

All workshops follow the same structure:

1. A learning scenario based on a real case or problem.
2. A clear presentation of the workshop objectives.
3. Tasks designed to help participants reach those objectives.

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Examples of AI tools

AI tool (1)

NotebookLM is an online research and writing tool developed by Google Labs that uses artificial intelligence, specifically Google Gemini, to help users interact with their own documents.

NotebookLM

Promises:

- Generation of summaries and explanations based on user-uploaded content.
- Creation of mind maps
- Development of personalized study guides
- Smart annotations and conversational chat for searches and questions
- “Audio/video summary” feature that condenses complex documents into podcast-style audio files

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Let’s run a live demo

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Now it’s your turn to test an AI tool by yourself.

NotebookLM

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AI tool (2)

Gamma AI is an artificial intelligence-based platform designed to facilitate the creation of presentations, documents, and websites.

Gamma AI

Promises:

- Creates presentations, documents, and websites from a brief text message or a pre-designed template.
- Offers visually attractive templates.
- Incorporates images, graphics, videos, GIFs, and web links to enrich the content.
- Content can be shared and viewed across various devices such as laptops, tablets, and phones.

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