



A virtual assistant is my therapist. What can go wrong?

LLMs and Education. Quality control and ethical design

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President MIU City University Miami
Director Research Institute UNIR iTED
UNESCO Chair on eLearning



UNIR Declaration on AI





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RECENT ON EARNING

GAME-BASED LEARNING FOR
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LITERATURE REVIEW FROM
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AGOSTO 3, 2023

Educational Technology

Educational Innovation

Educational tools

Formal-informal learning

Educational methodology

Lecturing methodology

Learning analytics

Personalised learning

Learning Management Systems

Tutoring support

User interaction

Gamification

eLearning specifications

Open Education

Open Science

Student behaviour

Performance estimate

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Better Learning – Better Teaching



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Lecture Notes in Educational Technology

Daniel Burgos *Editor*

Radical Solutions and Learning Analytics

Personalised Learning and Teaching Through Big Data

 Springer

Lecture Notes in Educational Technology

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John Willian Branch *Editors*

Radical Solutions for Digital Transformation in Latin American Universities

Artificial Intelligence and Technology 4.0 in Higher Education

 Springer

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Coming soon

Daniel Burgos *et al.* *Editors*

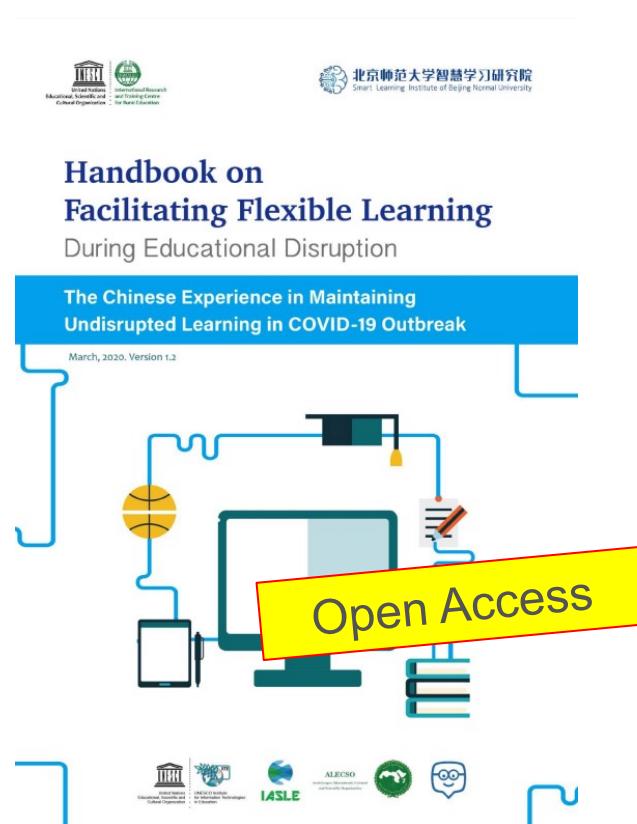
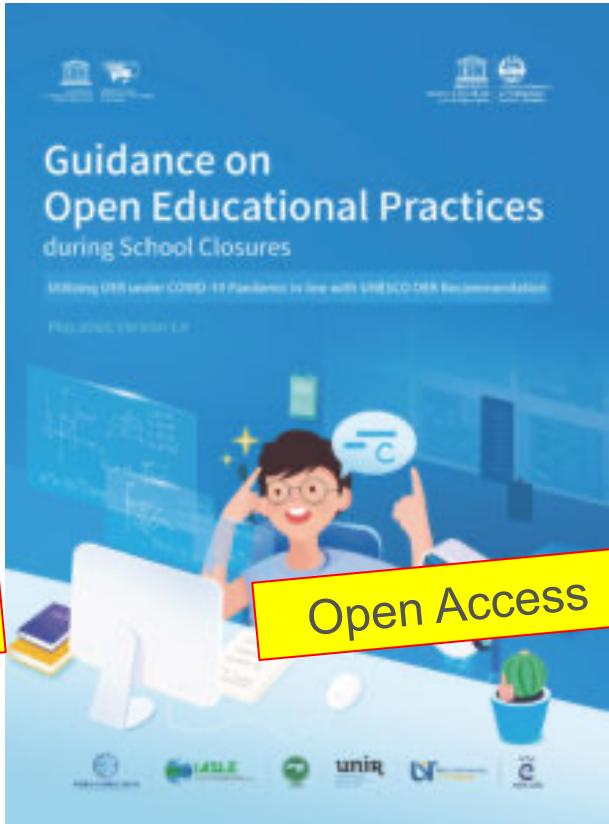
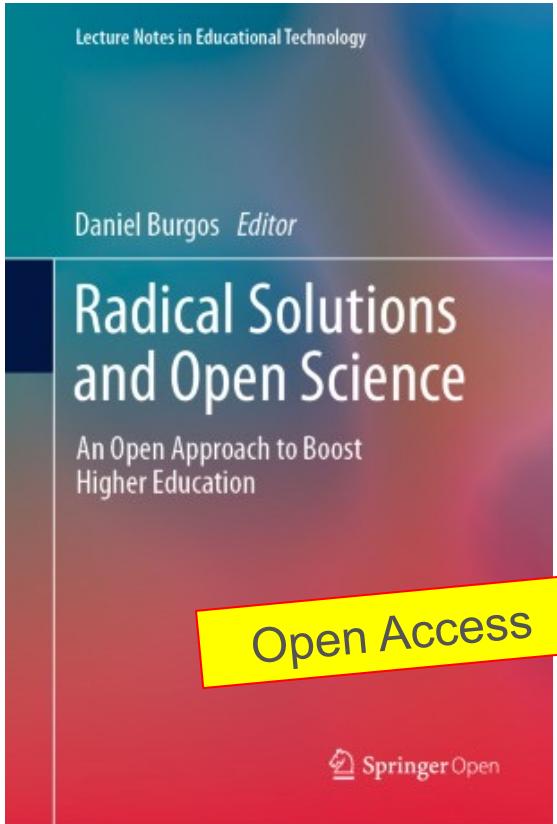
Radical Solutions for Artificial Intelligence and Digital Transformation in Education

Disruptive technology for a better society

 Springer

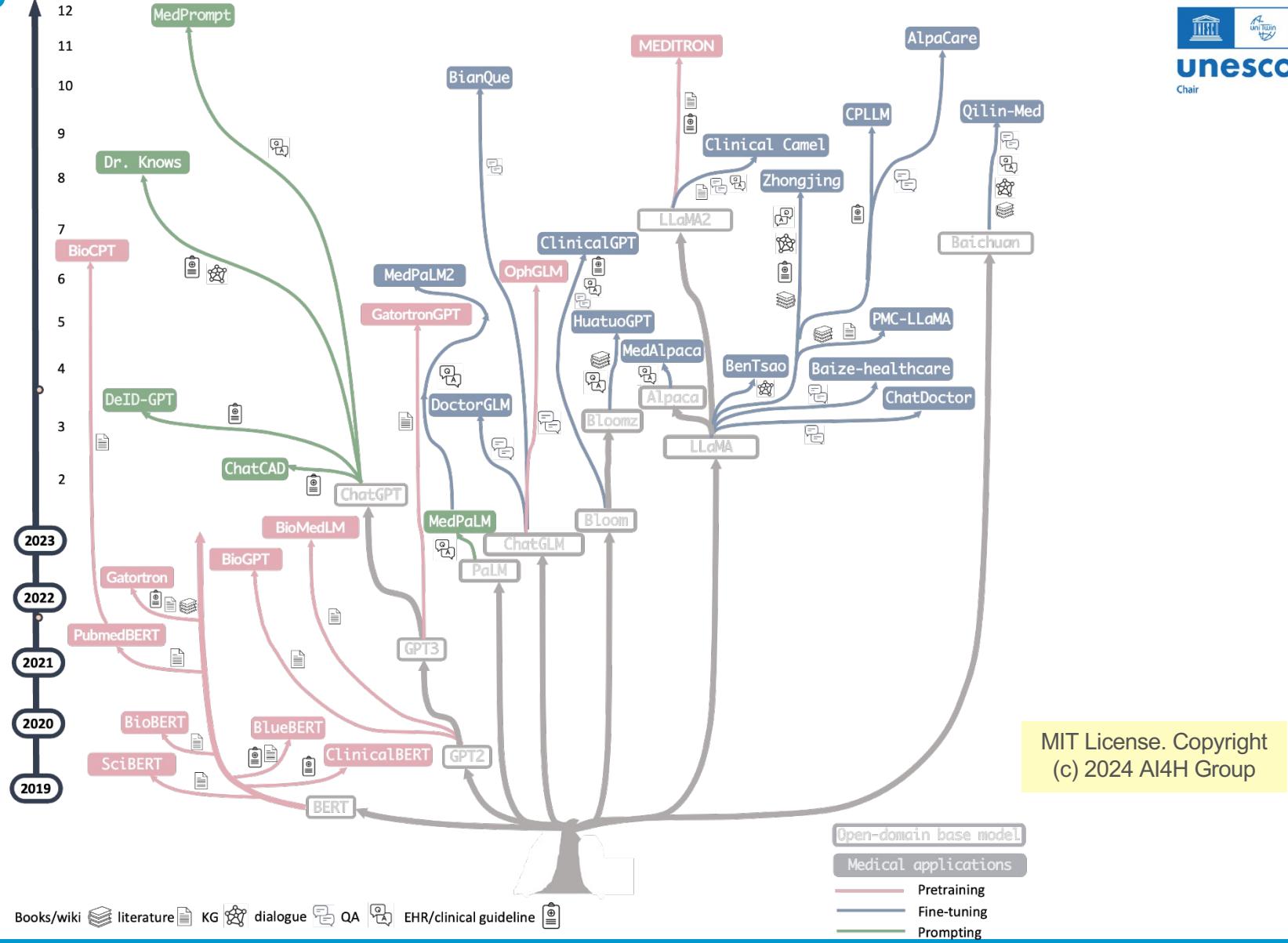


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Misinformation, fake news, and fake friends. A terrific context for AI

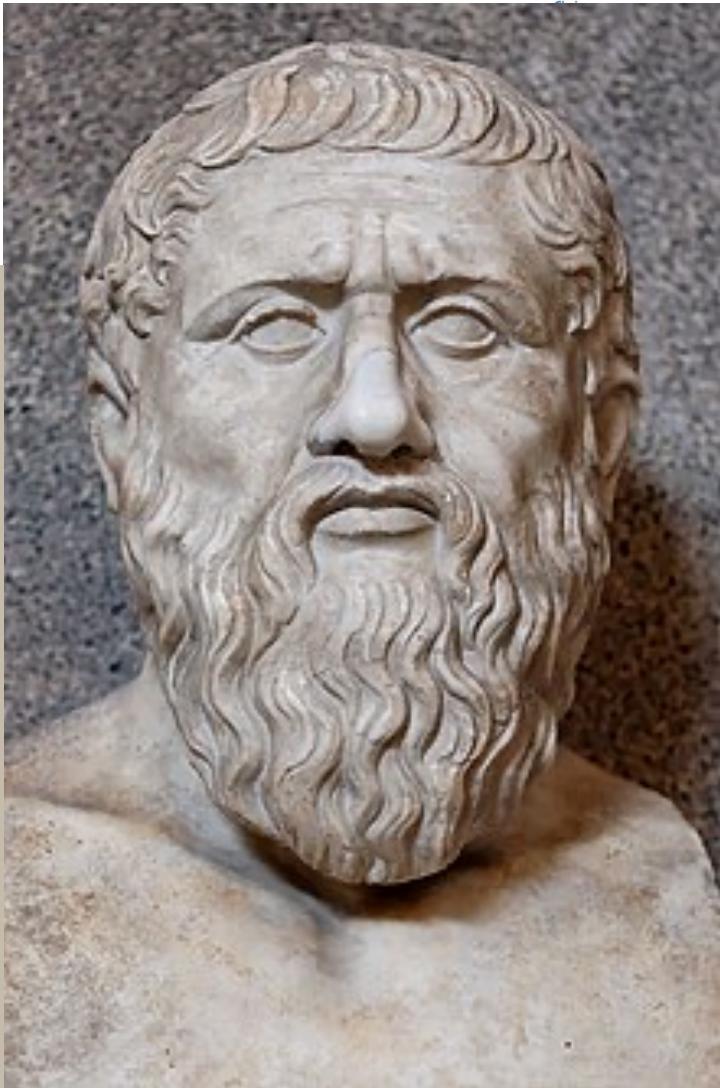
Design of a LLM for Medicine



Who runs the quality control?

Quis custodiet ipsos custodes?

(Plato or Juvenal, IV BC)



Not new: AI as a Trojan horse?



Not new: Counter-Intelligence technique in WWII



Dawn A.E.

In short, a mole, infiltrated behind a sweet face



In short, a mole, infiltrated behind a sweet face

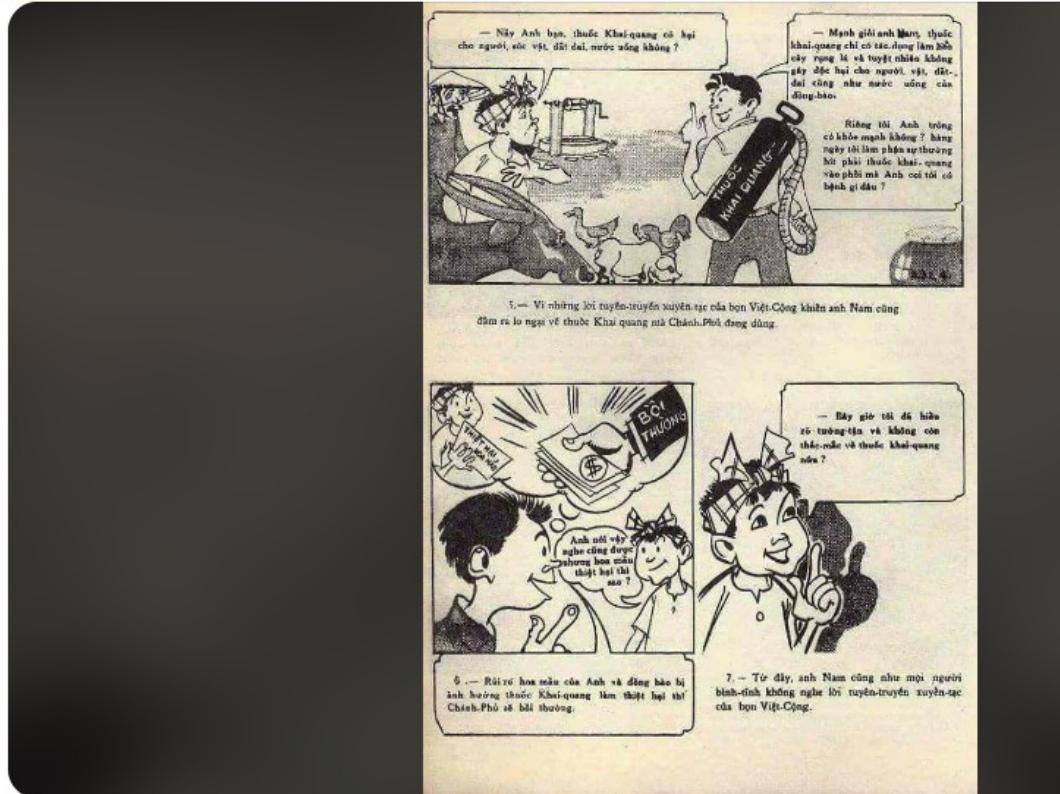


r/PropagandaPosters • hace 7 m
chiefrick

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American pamphlet in Vietnamese dismissing the health effect of Agent Orange as "Communist propaganda" (Vietnam War)

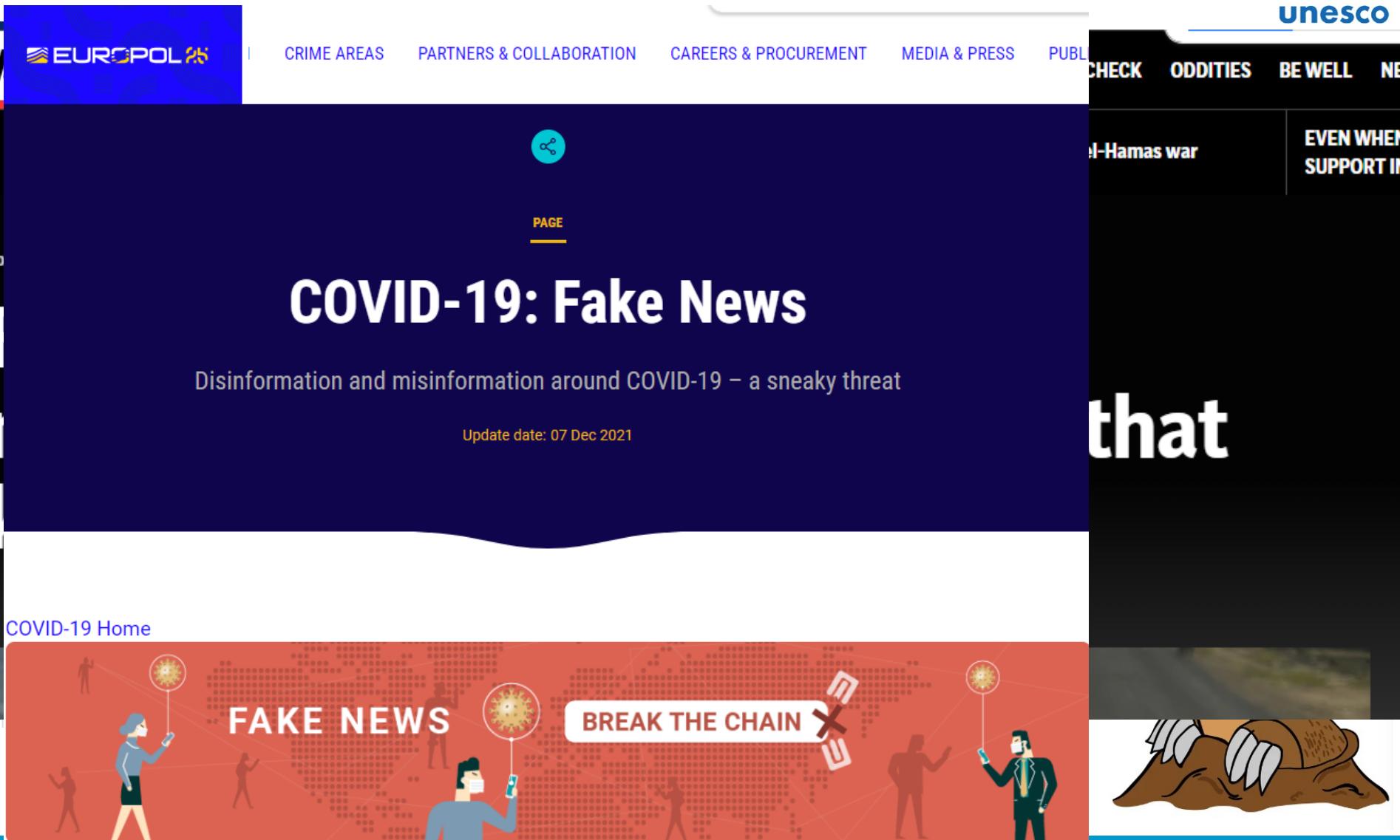
Vietnam



In short, a mole, infiltrated behind a sweet face



In short, a mole, infiltrated behind a sweet face



EUROPOL | CRIME AREAS PARTNERS & COLLABORATION CAREERS & PROCUREMENT MEDIA & PRESS PUBLICATIONS

CHECK ODDITIES BE WELL NEWS

El-Hamas war | EVEN WHEN SUPPORT IN

COVID-19: Fake News

Disinformation and misinformation around COVID-19 – a sneaky threat

Update date: 07 Dec 2021

COVID-19 Home

FAKE NEWS

BREAK THE CHAIN X

A potential mole, not just in news, but also on interaction CITY UNIVERSITY MIAMI

Vista previa de App Store



Replika: Virtual AI Friend 17+

Talking Avatar, AR, Voice Bot

Luka, Inc.

★★★★★ 4,4 • 1,1 mil valoraciones

Gratis · Ofrece compras dentro de la app

Capturas de pantalla

iPhone

iMessage



A potential mole, not just in news, but also in therapy



TECHNOLOGY

Here's How New AI tools are Curbing Bullying



AI TOOLS

CERTIFICATIONS

EVENTS



CYBERSECURITY

Artificial Intelligence Is Now Being Used To Detect Cyberbullying in School Children



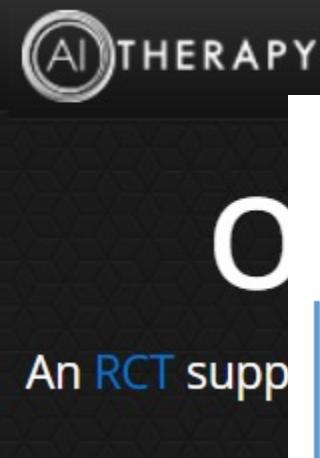
Updated on June 5, 2021
By Ljubinko Zivkovic

A virtual assistant as a mental-health therapist

1. Thought Coach (Web): Tackle Cognitive Distortions and Rephrase Your Thoughts

2. SommerAI (Web): ChatGPT Therapist Trained on CBT and SFBT

3. Mindsum Bot (Web): Ask Questions and Get Information About Mental Health



[Front Psychol. 2017; 8: 796.](#)

Published online 2017 Jun 2. doi: [10.3389/fpsyg.2017.00796](https://doi.org/10.3389/fpsyg.2017.00796)



PMCID: PM

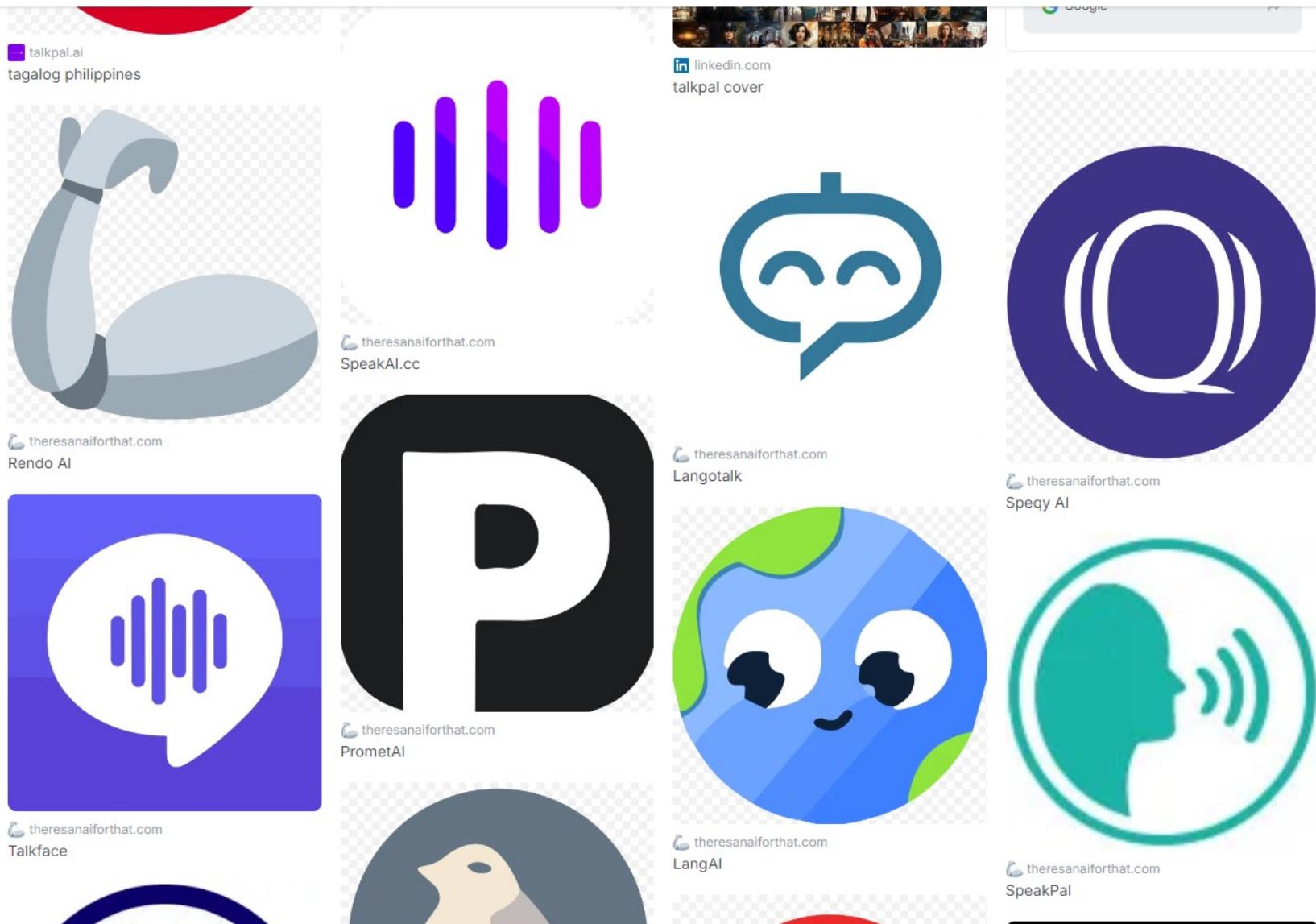
PMID:

Artificial Intelligence-Assisted Online Social Therapy for Youth Mental Health

Simon D'Alfonso,^{1,2,*} Olga Santesteban-Echarri,^{1,3,4} Simon Rice,^{1,3} Greg Wadley,² Reeva Lederman,² Christopher Miles,¹ John Gleeson,⁵ and Mario Alvarez-Jimenez^{1,3}

And what about AI in Education?

Or in education...



Or in education...

← Chat

Emma  

Vous avez raison, Daniel ! Les eGames favorisent la collaboration et la compétition saine, ce qui stimule l'apprentissage. En parlant de compétences numériques, avez-vous déjà essayé d'utiliser des applications ou des plateformes spécifiques pour améliorer votre français ?

 Repeat  Translate

J'utilise uniquement cette app Talkpal pour améliorer mon français. Je pense que c'est suffisant pour moi maintenant. Donc, je reçois la vitesse pour la réponse et aussi la compréhension de votre question. Donc, pour débloquer la capacité orale, verbale de la communication, je pense que Talkpal c'est suffisant aujourd'hui. Pour demain, quand je peux améliorer mon français et l'interaction verbale, peut-être je peux penser d'autres applications complémentaires. Je ne sais pas.

C'est génial que vous trouviez Talkpal utile, Daniel ! En effet, se concentrer sur une seule plateforme peut être très efficace, surtout si elle répond à vos besoins. Pensez-vous qu'il serait intéressant d'intégrer des conversations avec des locuteurs natifs pour encore plus de pratique à l'avenir ?

Or in education...

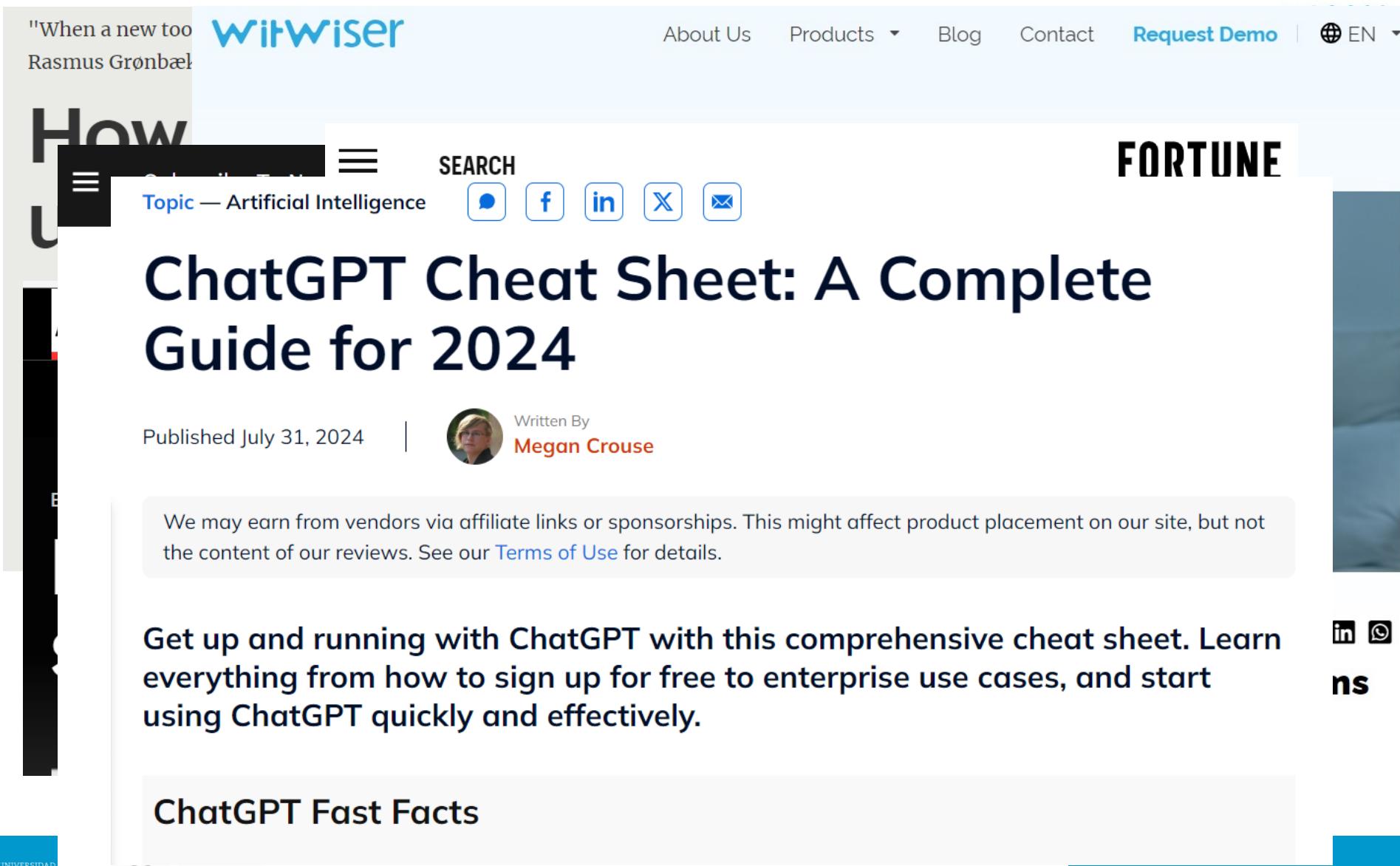


You are right, Daniel! eGames promote collaboration and healthy competition, which stimulates learning. Speaking of digital skills, have you ever tried using specific apps or platforms to improve your French?

I only use this Talkpal app to improve my French. I think that's enough for me now. So, I get the speed for the answer and also the understanding of your question. So, to unlock the oral, verbal ability of communication, I think that Talkpal is enough today. For tomorrow, when I can improve my French and verbal interaction, maybe I can think of other complementary applications. I don't know.

It's great that you find Talkpal useful, Daniel! Indeed, focusing on a single platform can be very effective, especially if it meets your needs. Do you think it would be interesting to incorporate conversations with native speakers for even more practice in the future?

In formal Education: ChatGPT for cheating?



"When a new tool comes along, it's natural to wonder how it will change the way we live and work. In the case of AI, the answer is likely to be 'in significant ways'." — Rasmus Grønbæk

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Topic — Artificial Intelligence SEARCH 

How ChatGPT Is Being Used to Cheat in Formal Education

ChatGPT Cheat Sheet: A Complete Guide for 2024

Published July 31, 2024 | Written By  Megan Crouse

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Get up and running with ChatGPT with this comprehensive cheat sheet. Learn everything from how to sign up for free to enterprise use cases, and start using ChatGPT quickly and effectively.

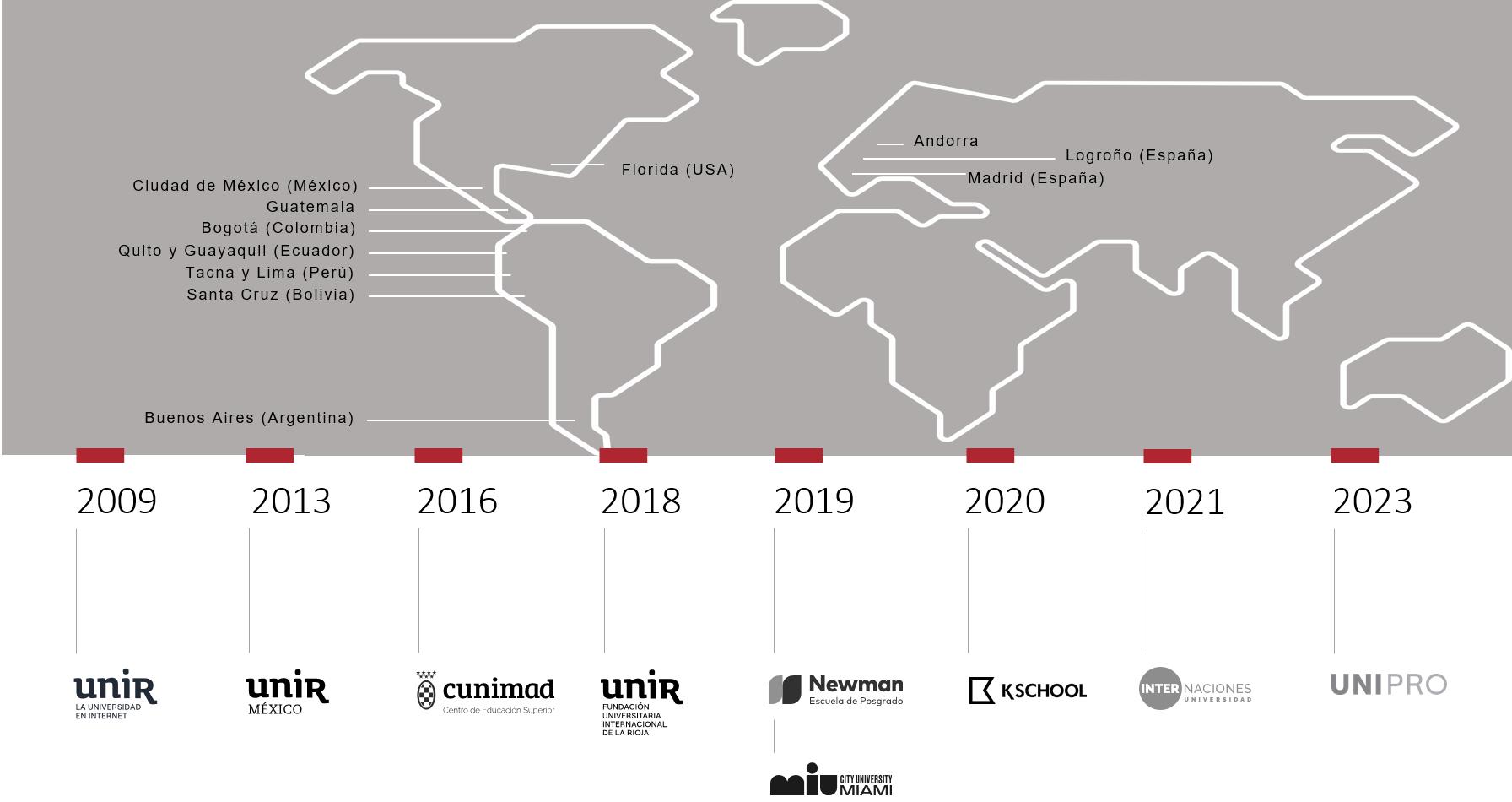
ChatGPT Fast Facts

in 
ns 

From Chat GPT

To ChEat GPT

A need for a structured, efficient, and ethical framework



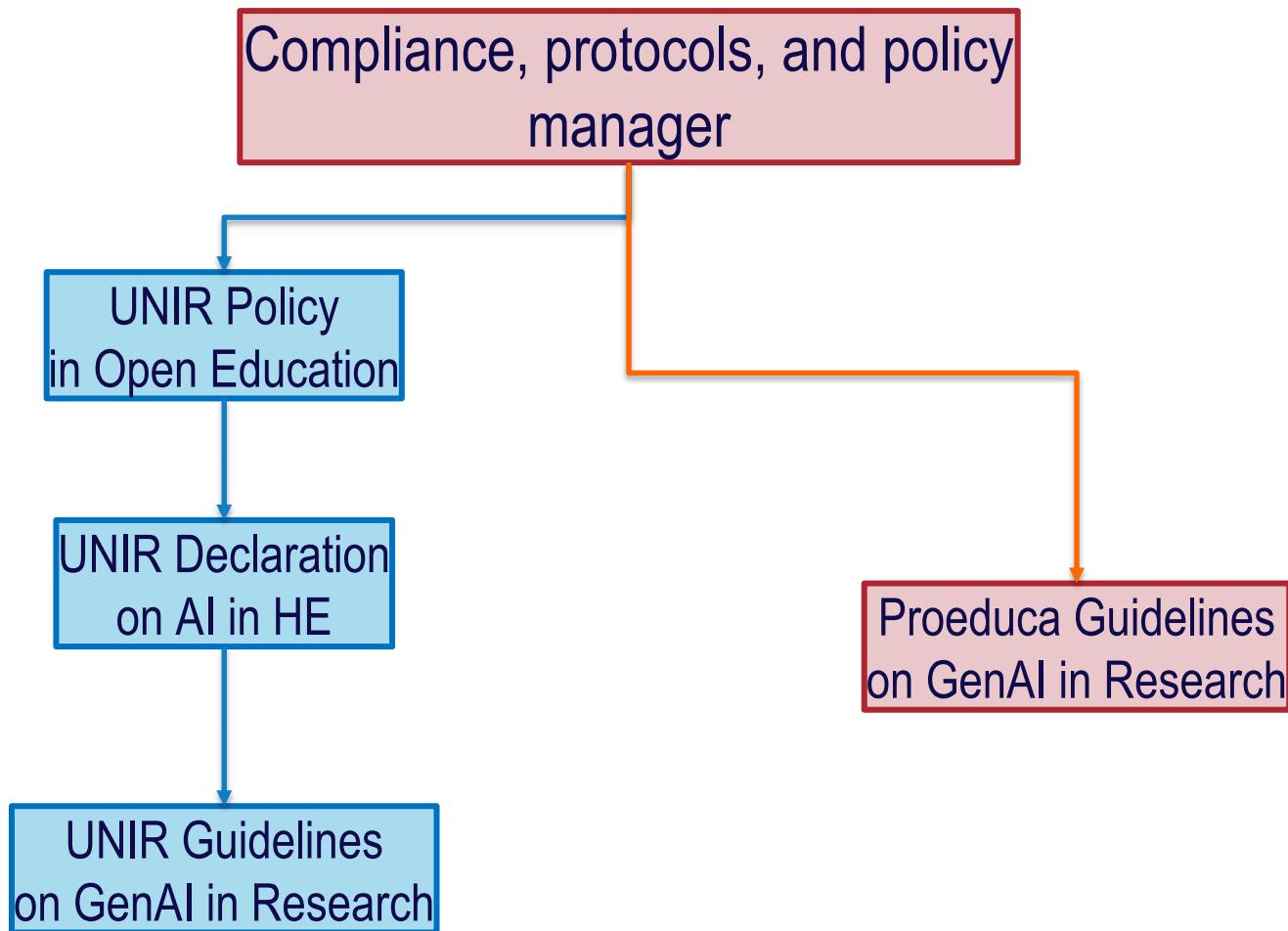
• 8 universities + 1 VET

- 130.000 students
- 10.000 professors
- 1.000 support staff
- 600 academic programmes
- Fully online, fully accredited

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Structure of policy design at **UNIR** and **Proeduca**



Structure of policy design at UNIR and Proeduca

PROEDUCA



DANIEL BURGOS SOLANS
daniel.burgos@unir.net

	PLAN DE IGUALDAD [UNIR]	confirmado
	POLITICA GENERAL DE SOSTENIBILIDAD ESG [GRUPO]	confirmado
	POLITICA DE REGALOS Y HOSPITALIDADES [ES]	confirmado
	POLITICA Y PROCEDIMIENTO DE RELACIONES CON FUNCIONARIOS PUBLICOS [ES]	confirmado
	POLITICA DEL CANAL DE CONSULTAS Y DENUNCIAS [GRUPO]	confirmado
	PROTOCOLO PARA LA PREVENCION DEL ACOSO EN EL TRABAJO [ES]	confirmado
	GUÍA DE USO RESPONSABLE DE IA GENERATIVA EN TAREAS DE INVESTIGACIÓN [ES]	confirmado
	Guía de uso responsable de IA Generativa en tareas de investigación	confirmado
	POLITICA DE PREVENCION DEL BLANQUEO DE CAPITALES Y FINANCIACION DEL TERRORISMO [ES]	confirmado



<https://bit.ly/unir-ia>

UNIR Declaration on AI

Basic principles

1. Social Contribution Principle

Alignment is guaranteed between the interests of scientific projects and technical efforts related to AI and the interests of society, both in general and regarding particular sectors, whether industrial, educational, or any other

2. Equity Principle

Emphasis will be placed on the use of AI systems without any discrimination regarding users or target audience. The use of AI products, technologies, and services will not stigmatise, incriminate, or discriminate on the basis of sex, ethnicity, creed, religion, age, disability, political affinity, sexual orientation, nationality, citizenship, marital or socioeconomic status, or any other personal, physical, or social condition (UNIR, 2020). Therefore, biases will be avoided within possible limits, in the configuration and development of AI products and services. The algorithmic bias inherent in this discipline today will be minimised, both in the development of AI and in third-party AI products used in any level of education (executive management, academic management, teaching, student services, etc.). Care will be taken to ensure that AI does not perpetuate or amplify existing inequalities, but rather is a tool to foster social equality and inclusion.

3. Training Principle

Training will be provided in the use of AI systems.

Employees, students, teachers, and other professionals will be trained to follow responsible practices in the use, distribution, dissemination, and production of AI-based technologies and services, in accordance with the ethical standards of UNIR and Proeduca. Additionally, awareness of those standards will be fostered at all levels, in all sectors of the educational ecosystem.

4. Human Supervision Principle

The use, configuration, and implementation of AI will be completely controlled by competent staff, leaving the final decision on any related aspect to their judgement and not delegated to fully automated decision-making AI systems. Further, AI technologies must support and enhance human decision-making and autonomy rather than undermine or replace it. In practice, respecting human agency means designing AI systems that serve as tools for augmentation rather than substituting human abilities. This principle ensures that AI tools and methodologies are developed with a keen awareness of their potential impact on human roles and responsibilities.

5. Ethics Principle

The ethics of our own AI development work will be guaranteed. Proprietary AI systems will be researched, implemented, and used in accordance with the Ethical Guidelines (EU, 2019a) on Trust in line with the European Code of Conduct for Research Integrity (ALLEA, 2023).

6. Confidentiality Principle

Data security and privacy will be promoted in the use and development of AI systems. In both configuration of proprietary or external products, and in development carried out within UNIR and the Proeduca Education Group (such as research or support products), the confidentiality of individuals or corporations will be respected and the privacy of personal data will be protected, as will the privacy of any data stored, retrieved automatically, or collected in the form of a specific field, in compliance with the privacy policy of the Proeduca Education Group and with the current legislation in the Spanish Civil Code (specifically, Organic Law 3/2018, dated December 5, on the Protection of Personal Data and Guaranteeing Digital Rights.).

7. Transparency Principle

Transparency will be fostered in the use and production of AI. On the one hand, as an institution making use of AI systems, UNIR is committed to being accountable for their implementation, context, and scope. On the other hand, as an institution committed to research, and therefore, to the eventual production of artificial intelligence, UNIR will be transparent regarding sensitive aspects such as the underlying neural model or databases used for employee training

8. Sustainability Principle

Sustainability in the use of AI will be encouraged. The sustainability and the balanced and responsible development of AI-based systems will be ensured, adopting an innovative and collaborative stance regarding environmental impact and energy consumption. Efforts will be made to leave the smallest possible ecological footprint while applying the DNSH (Do No Significant Harm) principle (EU, 2021a)

9. Knowledge Principle

Collaboration and the exchange of knowledge between researchers and thinkers from different fields will be encouraged, including between data scientists, engineers, philosophers, legislators, etc., from any sphere, professional category, and academic scale.

10. Traceability Principle

The identification and traceability of AI-produced content will be guaranteed. Any generative AI system developed or used by Proeduca will clearly indicate the artificial origin of its products, whether these be images, videos, or texts, and will maximise the traceability of their production.

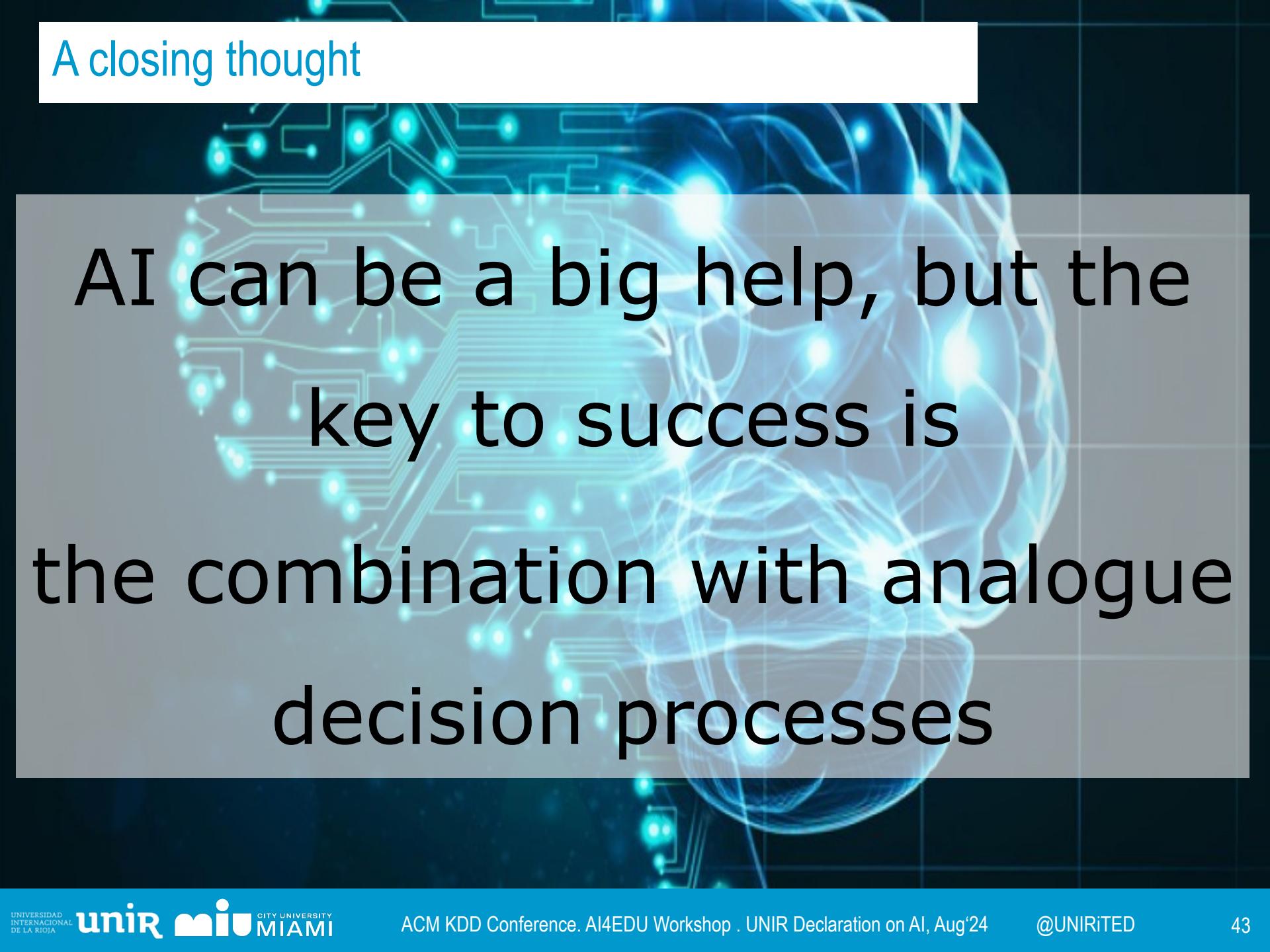
Internal audit and monitoring system

An effective internal audit and monitoring system will be implemented, under the authority of a multidisciplinary committee on the development and use of proprietary processes, services, and products (or integration of other processes, services, and products). The committee will periodically evaluate compliance with the commitments made in this declaration, and also suggest corrective and transparent measures should any significant deviation be identified

Do not forget **the human touch!**

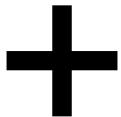


A closing thought



AI can be a big help, but the
key to success is
the combination with analogue
decision processes

Artificial Intelligence might be a key to support education efficiently



Ethics



The human touch
(psycho-emotional and social support)

30TH ACM SIGKDD CONFERENCE ON
KNOWLEDGE DISCOVERY AND DATA
MINING (KDD'24)

WORKSHOP ON

AI FOR EDUCATION (AI4EDU): ADVANCING
PERSONALIZED EDUCATION WITH LLM
AND ADAPTIVE LEARNING

Gracias! Thanks!

unir ITED

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Summary

The declaration presented establishes the fundamental principles that will guide decisions in the use, application, and even development of AI-based solutions, in all universities, companies and entities of the ProEduca Education Group, including all the layers and roles that compose them: professors, researchers, students, academic managers, boards of directors, middle positions, experts and any other related person. UNIR will foster a focus on the benefit of society, transparency, and collaboration, while promoting ethics, education and accountability, at every step of its use.

Initially, a definition of AI is provided in a general way, as well as its most current applications. Below, several interesting (but also risky) applications of it are discussed. Finally, UNIR's role in trying to become a reference model for the application of global regulations on AI or any other technology that generates a social challenge is outlined, through its student-centric ecosystem. It details 10 principles that underpin the design, development and application of AI solutions and tools at UNIR, for teachers and researchers, and in all the universities of the Proeduca Education Group, with more than 130,000 students and 10,000 university professors, worldwide.

The presentation will address how the declaration is being implemented, the level of acceptance of it, as well as the impact on the educational community, in line with the subtopic of DLW 2024: "Training programmes implemented and/or guidelines tested to support teaching and research staff to develop AI competencies and make ethical use of AI". Likewise, the transfer of the declaration to other universities and the transversal impact on this educational layer will be presented, as well as its debate with government departments.

Some figures about UNIR, worldwide

- 130.000 students, 10.000 lecturers, 1.500 staff
- 400 undergraduate and graduate programmes
- 100% online
- Premises in Spain and CO, BO, AR, EC, MX, PE, US, GT
- 41 EU-funded projects, 20 contracts
- +100 research agreements
- Chairs with UNESCO, Telefónica, IBM, AENOR-UNE