



AI PIONEERS
Artificial Intelligence in education & training

AI Pioneers: A Blueprint for Ethical and Responsible AI in Education

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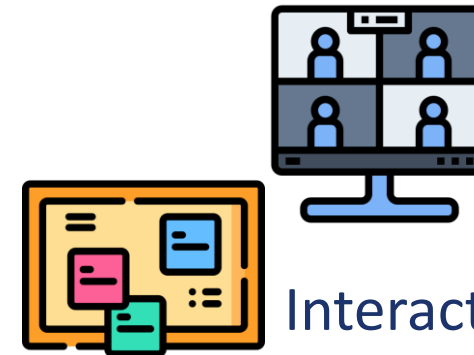
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Agenda

- An Overview of the AI Pioneers Project
- Introduction to the Ethical Evaluation Schema
 1. Assessing current AI use, AI maturity and related AI ethical concerns
 2. AI governance and monitoring
 3. Operational considerations
 4. Pedagogical considerations
 5. Other considerations
- Discussion and Outlook



Interactive parts



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An Overview of the AI Pioneers Project



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The AI Pioneers Project

Funding in the Erasmus+ Programme 2022 under the Partnerships for Innovation (Forward-Looking Projects)

10 project partners from seven different European countries
(DE, ES, GR, IT, PT, EE, CY)

Project duration: 01 January 2023 to 31 December 2025

Project coordination: Institute Technology and Education
from the University of Bremen



Research Questions

- How can a long-term network of vocational training pioneers be successfully established with regard to the use of artificial intelligence? Which players are particularly active here?
- What impact does the use of AI have on data protection, ethics and skills?
- To what extent is AI already being used in adult and vocational education and training in various European countries?

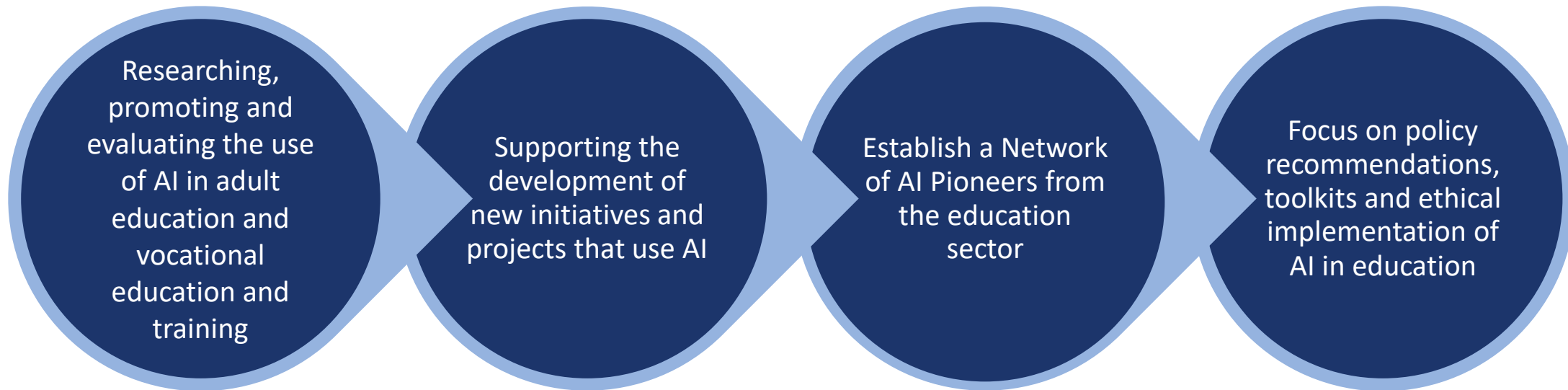
Methods

Expert interviews, online surveys, site visits and lesson observations

Involvement of e.g. training companies and vocational schools

Networking activities and workshops for AI pioneers

Objectives of the project



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The European Reference Network



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1

Develop a sustainable network of leading teachers and trainers in the use of AI in education and training

2

Support members of the network with knowledge and resources to become reference points for the use of AI in education

3

Develop a community of practice in the use of AI in education in their countries: German, Portuguese, Spanish, Italian and Greek



Workshops and events with teachers and trainers that use AI in education and training

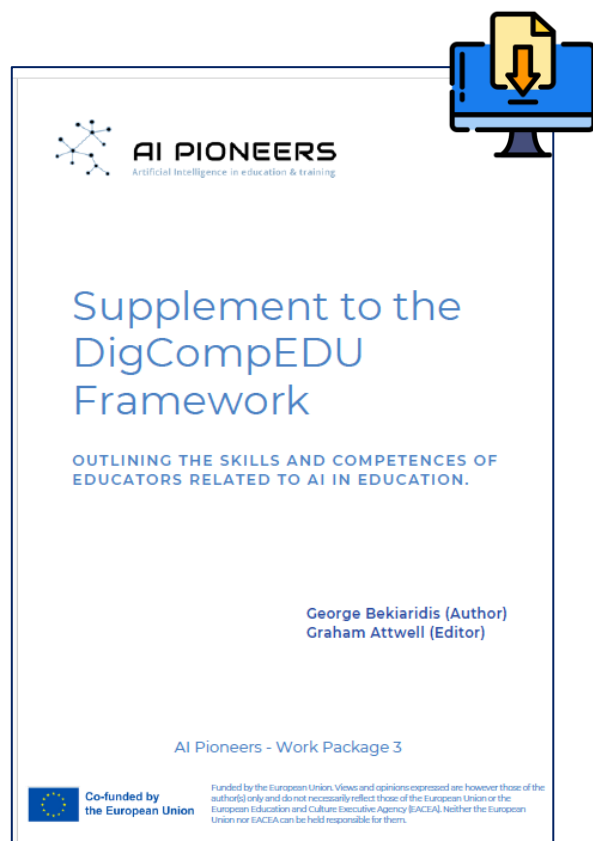
Synergies and good practice sharing, visibility of AI Pioneers and facilitate the access and interconnection among pioneers

Access more channels and provide access to content-related knowledge, expertise, experts at international level

CoPs in English, Portuguese, German, Italian, Greek, Spanish



Supplement of the DigCompEdu framework to AI competences



You can download the
document on our
project website

AI Toolkit



Curriculum recommendations

- AI IN EDUCATION TECHNOLOGIES
- INTEGRATING IN EDUCATION
- BENEFITS
- RISKS
- GUIDELINES



Best Practices

- Training for teachers
- Training for students
- Institutions & Organisations



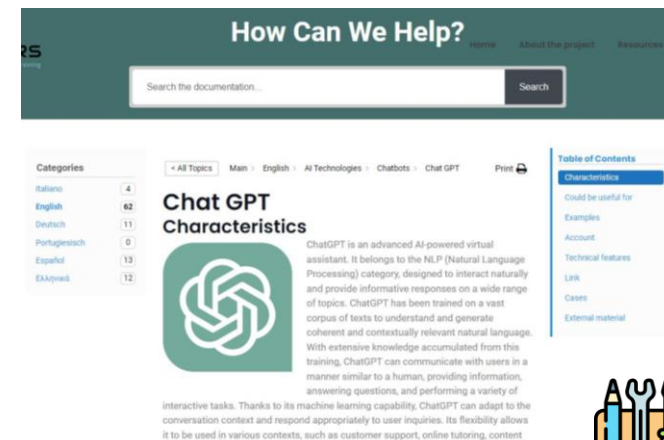
AI Technologies

- Academic tools
- Chatbots
- Creating Summaries
- Creating Teaching Materials
- Educational platform
- Learning Assistants
- Peer to Peer Learning
- Quizzes & Assessment
- Translators
- Writing assistant



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You can find the
toolkit on our
project website





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Evaluation Schema

for AI in education on data, privacy, ethics, and EU values



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Handbook on Policy and Ethics in AI Education

June 2025

Lead Beneficiary of the deliverable: Universidad del País Vasco/Euskal Herriko Unibertsitatea (UPV/EHU)
Work Package 5
Deliverable D5.2 "Handbook on Policy and Ethics in AI Education"

Project number: 101087261
Project name: AI and the future of Education
Project acronym: AI Pioneers
Project coordinator: University of Bremen, Institute Technology and Education (ITB) Call: ERASMUS-EDU-2022-PI-FORWARD
Topic: ERASMUS-EDU-2022-PI-FORWARD-LOT1
Type of action: ERASMUS Lump Sum Grants
Granting authority: European Education and Culture Executive Agency Project starting date: 01/01/2023
Project end date: 31/12/2025
Project duration: 36 months



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Evaluation schema for AI in education on data, privacy, ethics, and EU values

January 2025

Lead Beneficiary of the deliverable: Universidad del País Vasco/Euskal Herriko Unibertsitatea (UPV/EHU)
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Ethics and Policy for AI in education



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Navigating ethical AI in education



- Institutional strategy/policy for AI limited



- Individual initiative



- Need for structured training, support and guidelines



- General guidelines and research exist



- How to apply them?



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Question 1

How are you using AI in your institutions? Are there any institutional policies or guidelines regulating the use of AI?

Share your answers on [MIRO board](#).



Handbook on Policy and Ethics in AI education

- Key requirements for developing and maintaining ethical AI systems
- Legal and regulatory considerations in AI implementation (e.g., EU AI Act, Assessment List for Trustworthy Artificial Intelligence)
- Case studies and best-practice examples of effective AI governance (e.g., Bordeaux Institute of Technology, Dublin Technical Institute)
- Ethical skills in AI: definitions, practical examples, and potential indicators across key areas
 - Professional development (e.g., awareness of ethical guidelines)
 - Digital resource creation (e.g., consideration of sensitive data)
 - Assessment practices (e.g., understanding the limitations of automated feedback)
 - Empowering learners (e.g., awareness of the function/impact of personalized learning)





Evaluation Schema for AI in education on data, privacy, ethics and EU values

- Support reflection on ethical dimensions of AI adoption in education
- Reviewed existing research and guidelines (e.g., European Commission, 2022; Nguyen et al., 2023)
- Guiding questions and interpretative support organized in 5 dimensions (Chan, 2023; Şenocak et al., 2024)
- Feedback from partners and network

Assessing current AI use, AI maturity and related AI ethical concerns



AI Governance and monitoring



Operational considerations



Pedagogical considerations



Other considerations





Question 2

What pedagogical considerations arise when using artificial intelligence for teaching and learning?

Share your answers on [MIRO board](#).



Pedagogical considerations

- **Empowering teachers and teaching:** Is there support for teachers/trainers so that they can adjust their teaching to the use of AI?



- **Copyright and intellectual property:** Who owns the rights to AI-generated content?



- **Ensuring students are prepared for the AI-driven workforce:** Does the centre provide practical training in AI tools that are used in the specific field of study/training?





Pedagogical considerations

- **Common ethical aspects related to assessment and AI, academic misconduct:** How can the centre ensure that AI does not replace but rather supports educators in assessing student learning?
- **Towards a balanced approach to AI use in teaching/training/ learning and how AI may influence the development of competencies but also social well-being:** Has AI implementation improved or worsened learner performance/grades/outcomes/access to the labour market?





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Evaluation Schema

for AI in education on data,
privacy, ethics, and EU
values

Start



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Full document
available in English,
German, Greek,
Spanish, Portuguese,
and Italian:





Question 3

What could be the future steps of your institutions?

Share your answers on [MIRO board](#).



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An Outlook on the AI Pioneers Network & Closing



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Engaging with communities and professionals

Strategic collaborations were developed with the Council of Europe, European Commission Joint Research Center, and European Training Foundation to foster international initiatives, networks, and discuss potential future projects.

Joint webinars

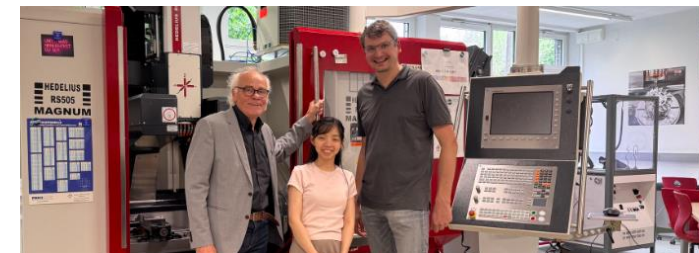
Invited presentations and workshops

Study visits and exchanges

By Giedre Tamoliune | 0 comments

Webinar “Teaching with AI: Lessons learnt and ideas from the ETF new Learning Club” – recording available

We're pleased to announce that the recording of our [...]





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More than **40** online and on-site workshops, seminars and webinars organised across partner countries with more than **1200** participants involved, expanding the network.

AI PIONEERS WEBINAR
AI CITIZENSHIP

FREE EVENT

IN VOCATIONAL EDUCATION AND TRAINING

An introduction to the AIPioneers project

Key Note presentation with Graham Attwell and George Bekiaridis

Networking and discussion

WEDNESDAY
27th November 2024
3pm CET (2pm GMT)

REGISTRATION:
tinyurl.com/aicitizenship

AIPioneers.org

AI PIONEERS WEBINAR

FREE EVENT

TEACHING WITH AI: LESSONS LEARNT AND IDEAS FROM THE ETF NEW LEARNING CLUB

ETF New Learning Club
Teaching with Artificial Intelligence

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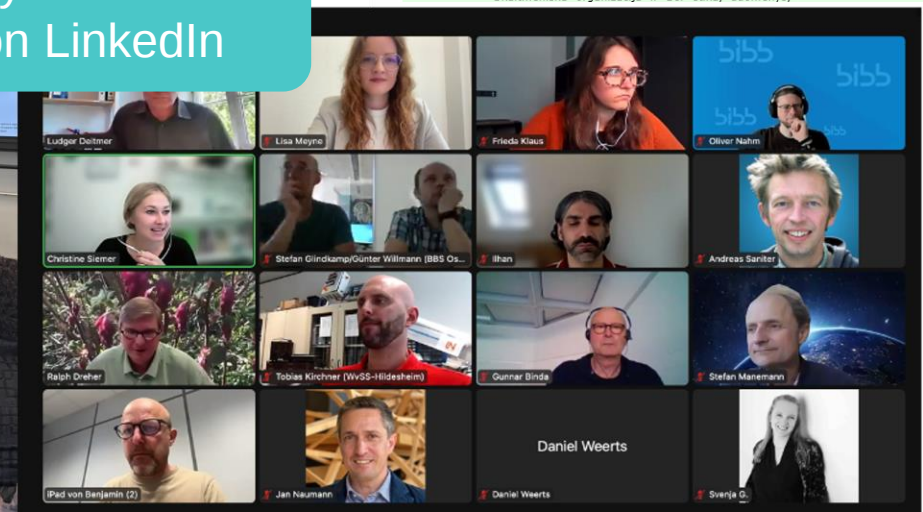
Join the discussion and share your experiences using AI in vocational training and adult education

www.aipioneers.org

AI Pioneers Network
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Currently 1.018 followers on LinkedIn

Type of Event and Training	Title	Organiser
Webinars / Seminars	Εισαγωγή στην Ανθρωποκεντρική Τεχνητή Νοημοσύνη στην Εκπαίδευση [Introducing Human-Centred AI in Education]	CSI
	Rethinking Digital Assessment in the Age of GenAI	EDEN
	AI Pioneers: il progetto, il network, le risorse	University of Verona
	AI PIONEERS: Il progetto, il network e la ricerca	University of Verona
	Desafíos éticos de la IA en la sociedad y en las aulas	UPV/EHU
Workshops	Action lab "Artificial Intelligence and Ethics in Education - An Evaluation Schema"	EDEN, ITB, TecMinho, UPV/EHU
	Application of artificial intelligence in vocational schools - Potentials, competences and challenges for teaching and learning	ITB
	Ethical questions on the use of AI in vocational training - on the way to an evaluation scheme as an ethical guideline	ITB
	Building Trustworthy AI: A Workshop on Data, Privacy & Ethics in Education AI for Digitally Competent Organizations	EDEN
	Skaitmeniška organizacija ir DI: etika, duomenys,	EDEN





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Join us for the upcoming Consultation Webinar

Presenters will share valuable experiences
from various countries.

Learn how different regions implement
AI in their **educational systems**.

Don't miss this opportunity to expand your
understanding of global practices.

Join us for insights on global
educational practices in AI
in November 2025,
stay tuned!



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Thank you for your attention.

Linked in ai-pioneers-network



<https://aipioneers.org/>



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