



**AI Literacy**  
IN THE CLASSROOM—

S U P P O R T E D B Y 

# *How can we enhance critical AI literacy in Irish schools?*

Laura Grehan

ADAPT Centre, Dublin City University

[adaptcentre.ie](https://adaptcentre.ie)

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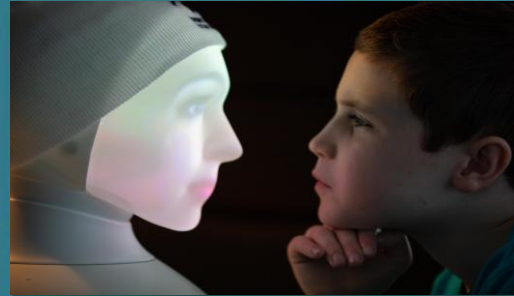


**TUS**

# *A National Conversation on Artificial Intelligence*



European  
Commission



Reflect on the  
role of AI



Develop  
AI literacy skills



Learn about AI  
research



Have a voice on  
emerging AI



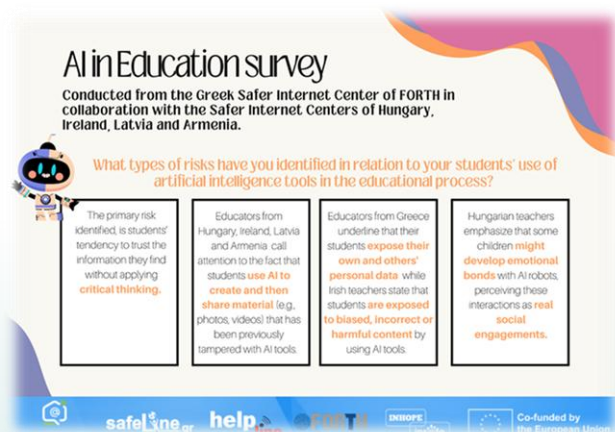


AI Literacy  
IN THE CLASSROOM

# AI Literacy in the Classroom

# The Need for AI Literacy among Teachers

*Skills and training gap for critical AI literacy*



Navigating the Future of Education: Educators' insights on AI Integration and Challenges in Greece, Hungary, Latvia, Ireland and Armenia



RED C ASTI Survey 2024 - Digital Technology and its Impact on Teachers' Working Lives





# AI Literacy

IN THE CLASSROOM—

[adaptcentre.ie/ai-literacy-in-the-classroom](https://adaptcentre.ie/ai-literacy-in-the-classroom)

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# Learning Outcomes



Explain the core principles of AI literacy and ethics



Assess the benefits and risks of AI tools



Guide students' safe, responsible and informed use of AI

# The Team



**Dr Eileen Culloty**

ADAPT, Dublin City University



**Dr Michał Wieczorek**

ADAPT, Dublin City University



**Dr Eamon Costello**

Dublin City University





## The Approach



### Dublin Workshop

📅 Saturday, 9th November 2024



### Galway Workshop

📅 Saturday, 26th January 2024



### Cork Workshop

📅 Saturday, 1st March 2025

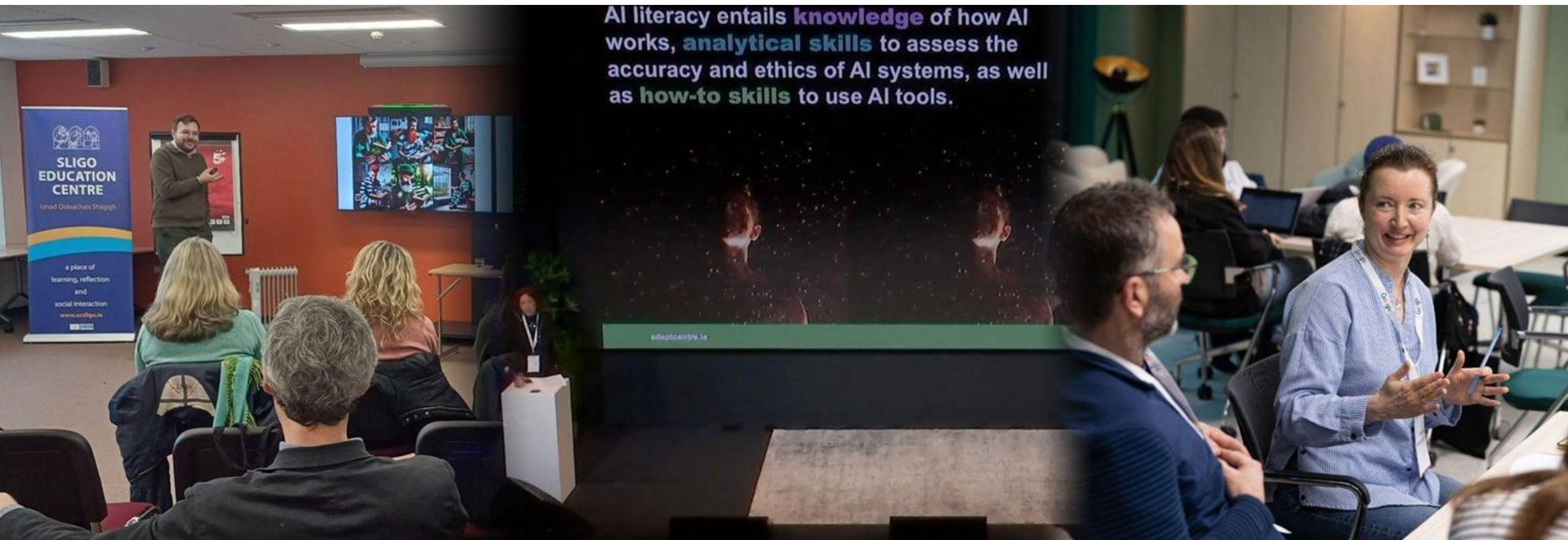


### Sligo Workshop

📅 Saturday, 22nd March 2025



# The Workshops



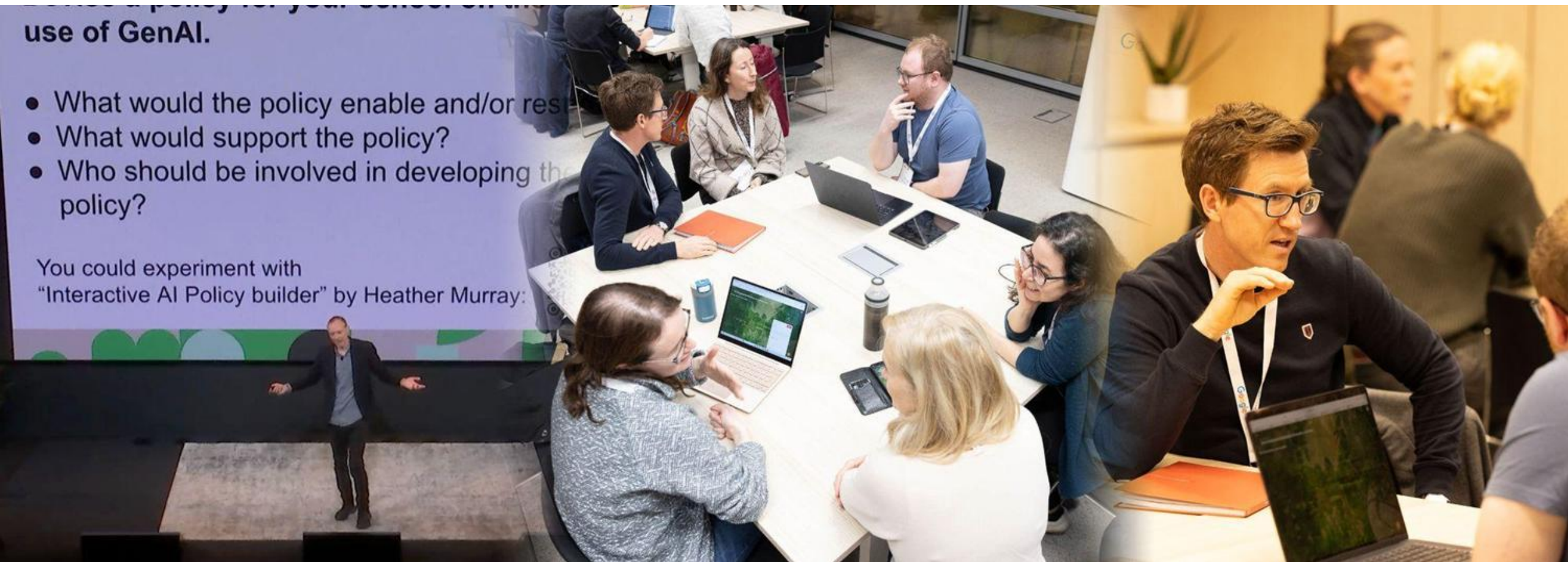


# The Conversations

use of GenAI.

- What would the policy enable and/or restrict?
- What would support the policy?
- Who should be involved in developing the policy?

You could experiment with  
“Interactive AI Policy builder” by Heather Murray:



# Online Course

## Module 1: AI Literacy

25% COMPLETE

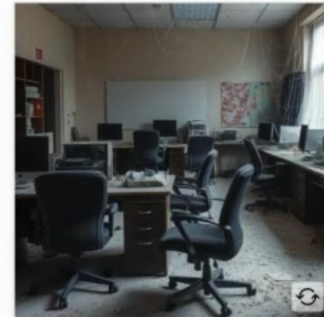
- ≡ AI Literacy in the Classroom ☒
- ≡ Module 1: AI Literacy ☒
- ≡ 1. What is AI? ☐
- ≡ 2. Object Recognition and Human 'Trainers' ☐
- ≡ 3. Let's Get Practical ☐
- ≡ 4. AI Literacy: Teachers ☐
- ≡ 5. David's Dilemma: What Would YOU Do? ☐
- ≡ 6. AI Literacy: Students ☐

Now, select these cards to find out what AI can (and can't) do, how to use it and some risks and benefits of using AI with your students.

**What can AI do?** Analyse data, translate languages, recognise images and make decisions, often more efficiently than humans.



**What can't AI do?** AI cannot perform tasks requiring empathy. It struggles with nuance, irony and sarcasm.



These cards show how AI can enhance teaching and learning. It also has limitations and





## Fundamentals of AI

Learn what Artificial Intelligence is, how it works, and its growing role in education.



## AI Ethics in Education

Explore the ethical concerns surrounding AI, including fairness, bias, privacy, and the impact on students' learning experiences.



## Teaching AI Literacy

Discover practical ways to introduce AI concepts into your curriculum, from engaging activities to classroom discussions.



## Real-world Case Studies

Dive into examples of AI in education and beyond, and how ethical decisions are being made today.



# Classroom Resources



## 'AI, Help me with My Essay'

- Ask students to write an essay on how AI can help or hurt teenagers' critical thinking skills (no AI allowed!). Have students highlight the parts of the essay that show their 'voice' such as word choice, phrases, repetition or opinion.
- Guide students in using AI to generate an essay on the same topic.
- Compare the human essays with the AI-generated ones, focusing on the writer's voice. Present/discuss the findings in class.

## Class Discussion

What are the advantages and disadvantages of AI for essay-writing?

1. In what ways does the presence of the author's unique voice add value to academic work?
2. What positive and negative impacts might AI have on students' critical thinking skills?

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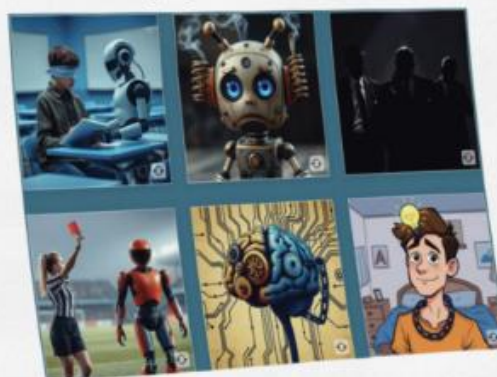
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## Teacher Discussion

Discuss with your colleagues what uses of AI are legitimate in coursework. You could also discuss this topic with students.

## 'How about an AI Image to go with that Essay?'



Use our tips to guide students in using AI to create an image that best reflects their essay.

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# Evaluation

**94%**

of teachers rated the workshop either as 'excellent' or 'very good'

**96%**

of teachers said they were better able to explain the core principles of AI literacy and ethics

**92%**

of teachers said they feel more confident to discuss AI use with their students

**97%**

of teachers would recommend the workshop to other teachers

“Ethics and ideas underpinning AI rather than just the ‘cool’ things it can be used for. I think we need much more of this, talking about how will AI impact education in normatively positive way and what we need to be wary of”

“Really benefitted from the breakout room talks and listening to others’ thoughts, experiences and perspectives”

“Excellent content, succinct and on point”

“Pitched at the right level. Sterling work. Literacy and ethics is the correct approach”

“Really thought provoking, very practical. Made me question my own philosophy behind AI in the classroom. I will be bringing a lot of this back to my school”

“Informative  
Insightful  
Accessible  
Engaging”



# Key Takeaways



Significant demand for AI literacy training

Focus on critical reflection appreciated

Teacher confidence is crucial

Blended learning approach popular

# Phase II: National Rollout

Irish Language  
Resources

Updating Classroom  
Resources

Expanding Regional  
Workshops

Piloting In-School  
CPD Workshops

Student Teacher  
Training

***Additional 500 teachers, 6,000 students***



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Find out more:

[www.adaptcentre.ie/public-engagement](http://www.adaptcentre.ie/public-engagement)

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