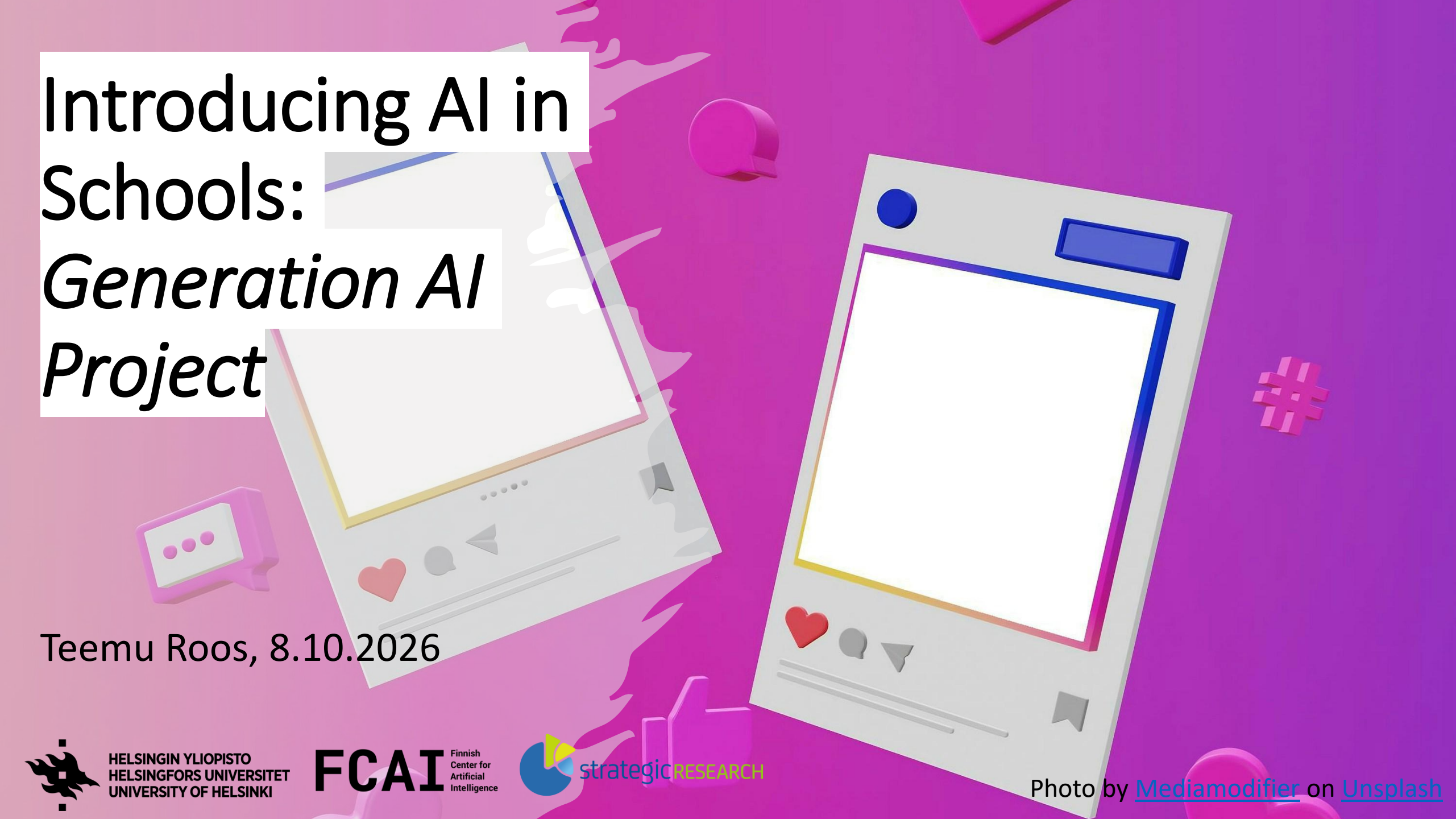
Introducing AI in Schools: *Generation AI Project*



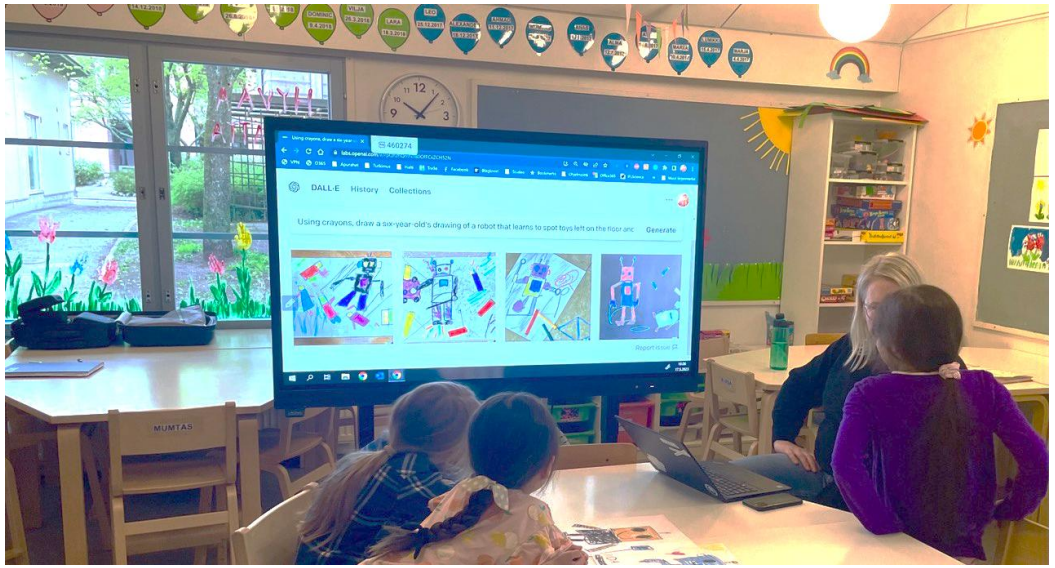
Teemu Roos, 8.10.2026

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FCAI Finnish Center for Artificial Intelligence

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Photo by Mediamodifier on Unsplash





Generation AI

We are currently facing three interwoven societal challenges:

1) weakening feeling of **security** and **control** in a **datafied society**
2) eroding **trust** on public authorities, media, science, civil society, and fellow citizens
3) rapidly growing **inequalities** related to ICT ability and **agency**.

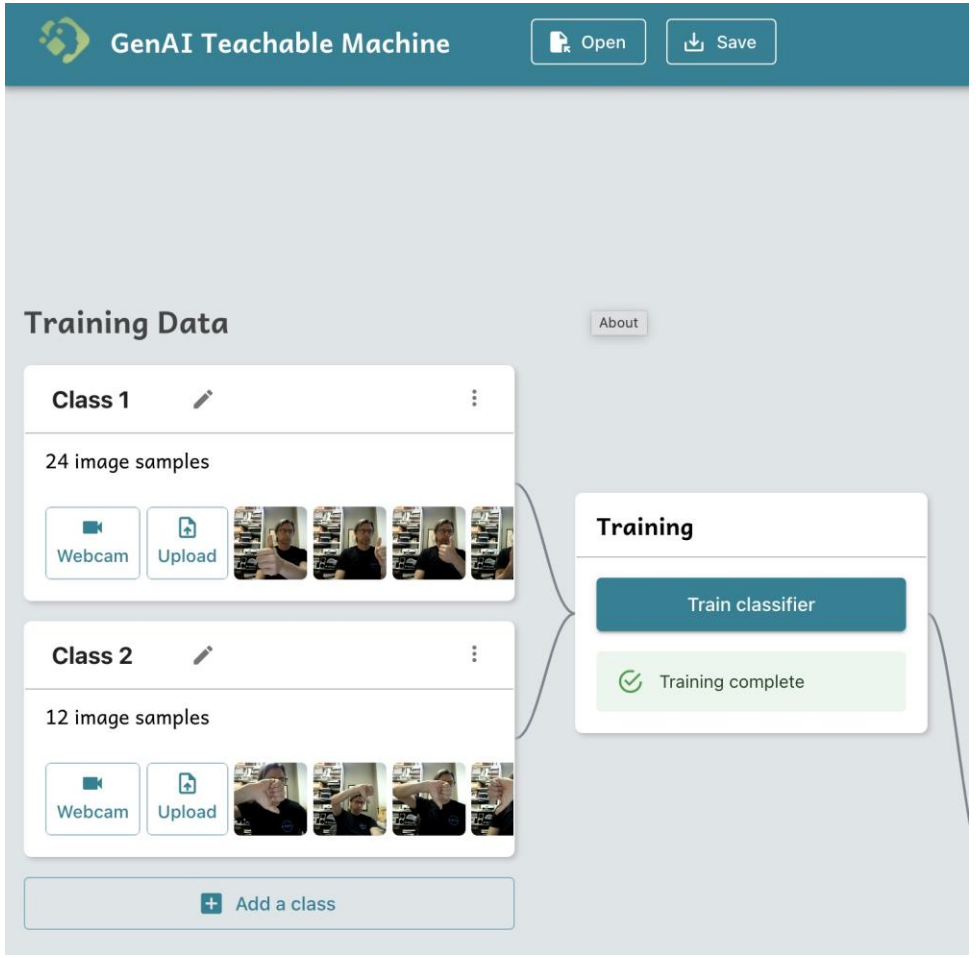
Generation AI Project funded by the Strategic Research Council of Finland and the Wihuri Foundation develops solutions to these.

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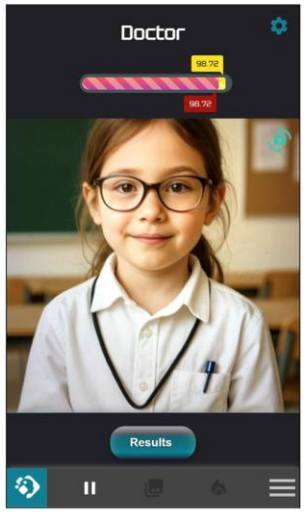
~~Google~~ Generation AI: **Teachable Machine**

https://tm.generation-ai-stn.fi/



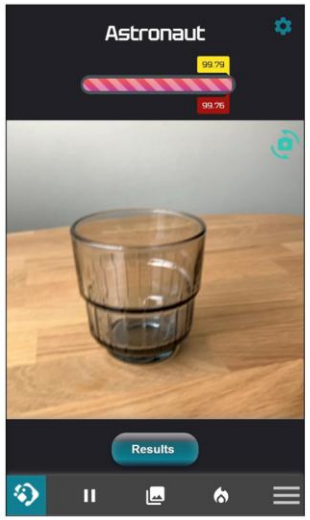


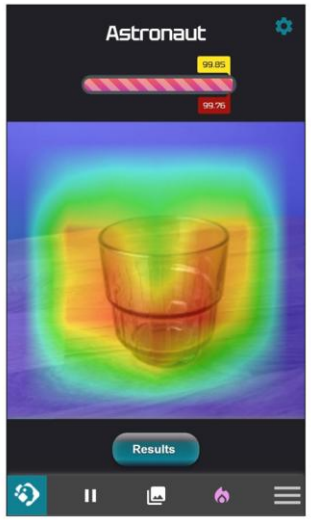
Generation AI: ***Breakable Machine***







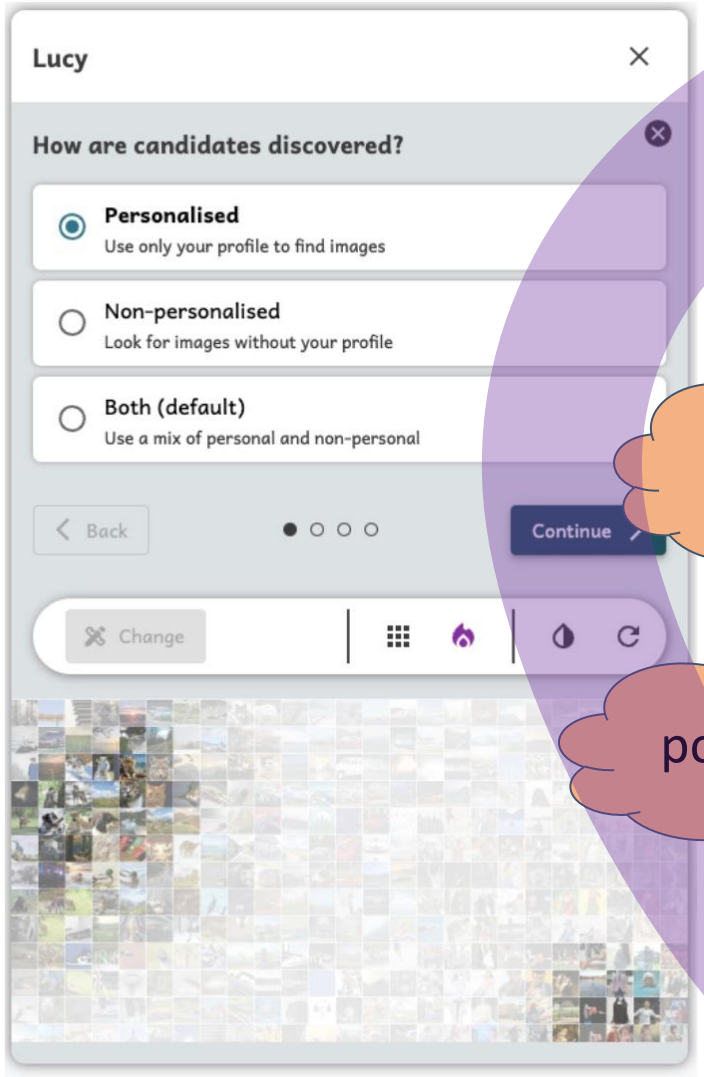








Generation AI: ***Social Media Machine***



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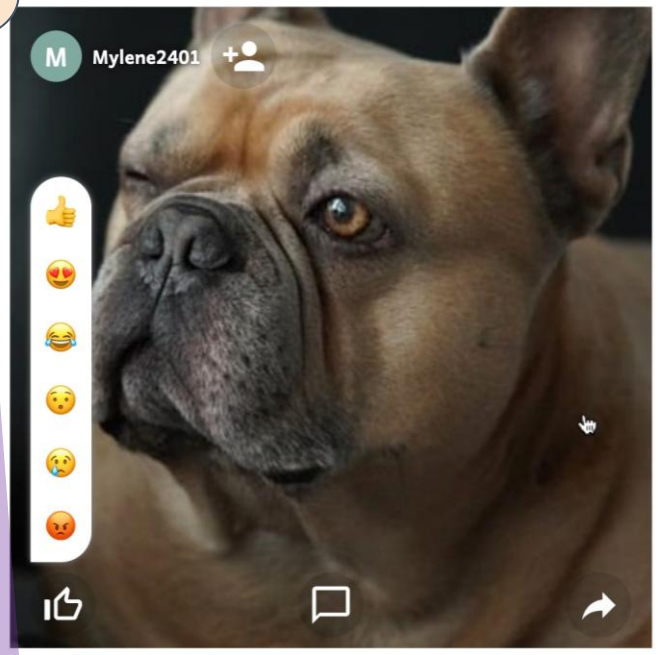
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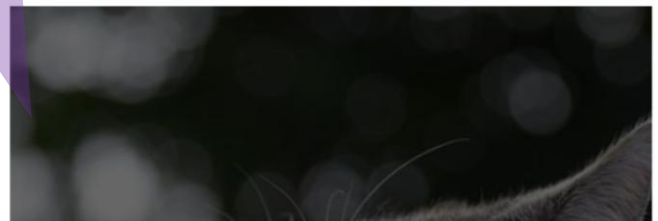
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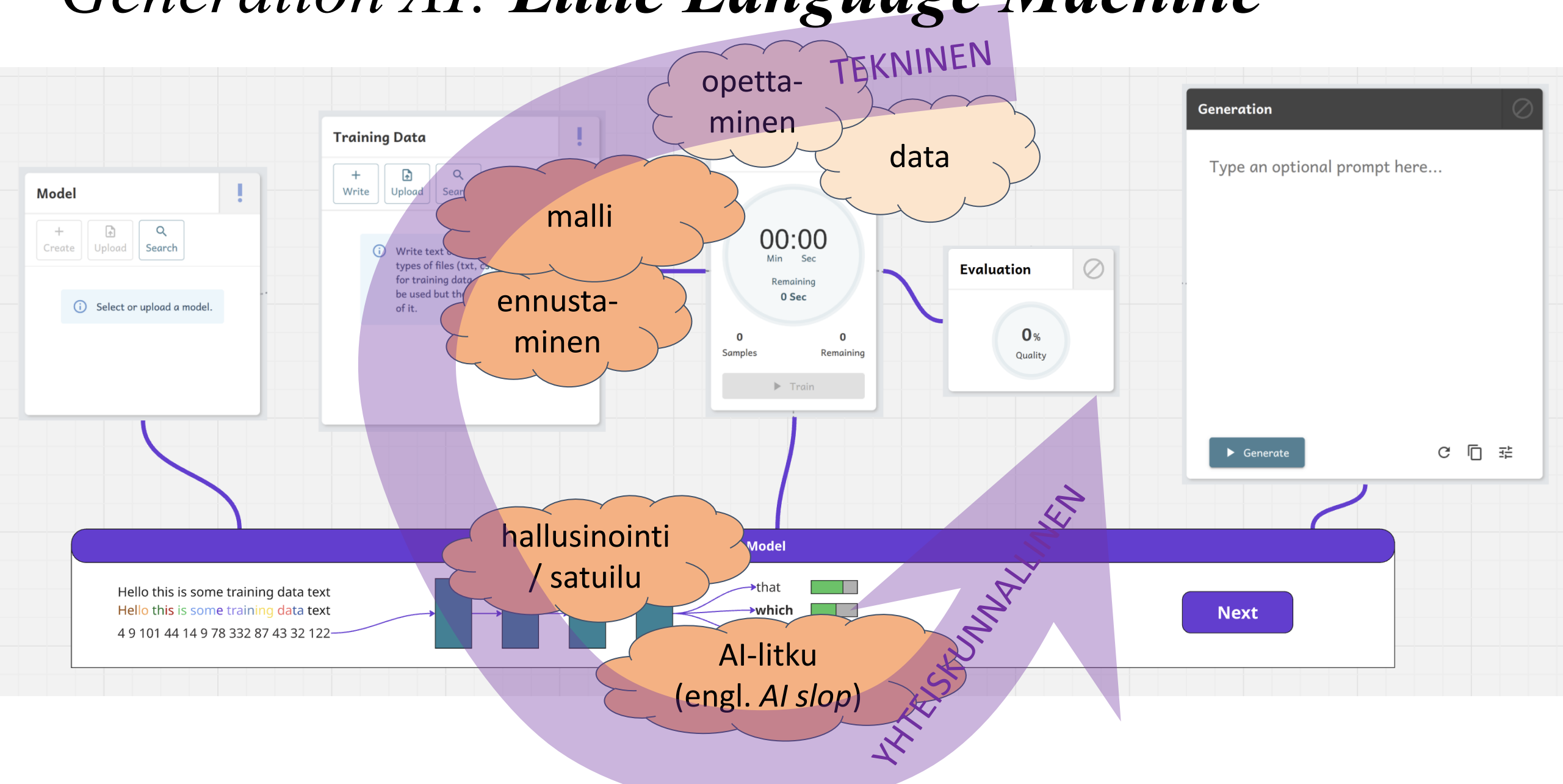
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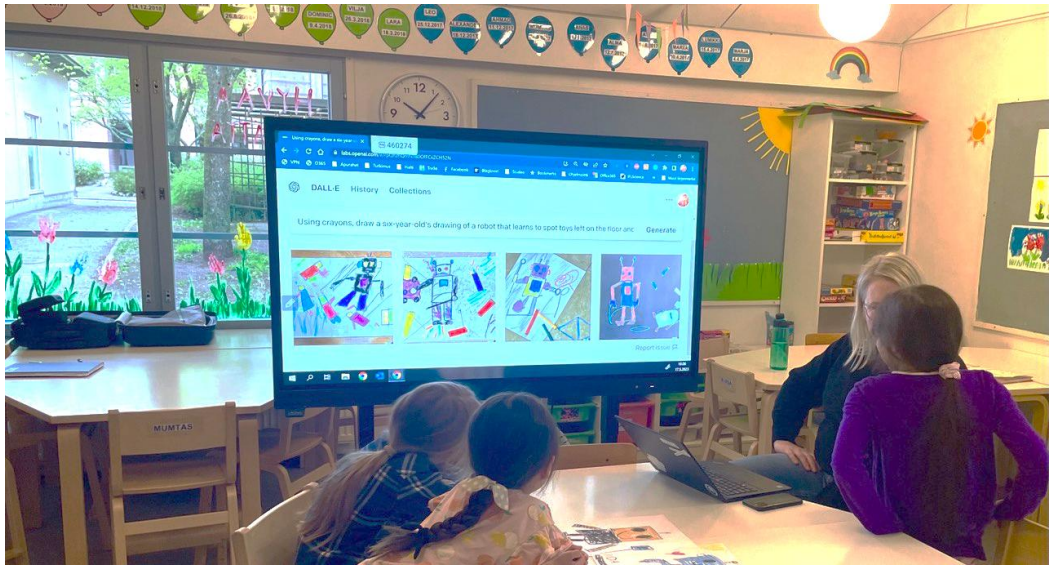






Generation AI: ***Little Language Machine***







Summary

Generation AI materials are:

- created in a **publicly funded** consortium
- **open** to all and **free** of charge
- don’t require high-end devices: **smartphones** and chromebooks are fine
- **safe and secure** (no need to transfer data)
- **multilingual** (mostly Finnish and English, but easy to translate, some materials already in, e.g., French, Portuguese, Japanese, Swahili, Korean, Sinhalese, ...)

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Part 2

Access < Literacy < Agency

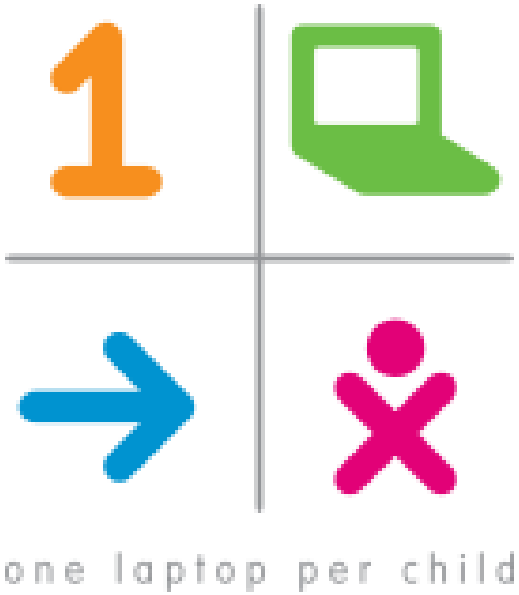
(Tedre & Vartiainen, 2023)

Tedre, M., & Vartiainen, H. (2023). K-12 Computing Education for the AI Era: From Data Literacy to Data Agency. *Proceedings of the 2023 Conference on Innovation and Technology in Computer Science Education V. 1*, 1–2.



Photo by Teemu Roos

Access: One Laptop per Child (OLPC)



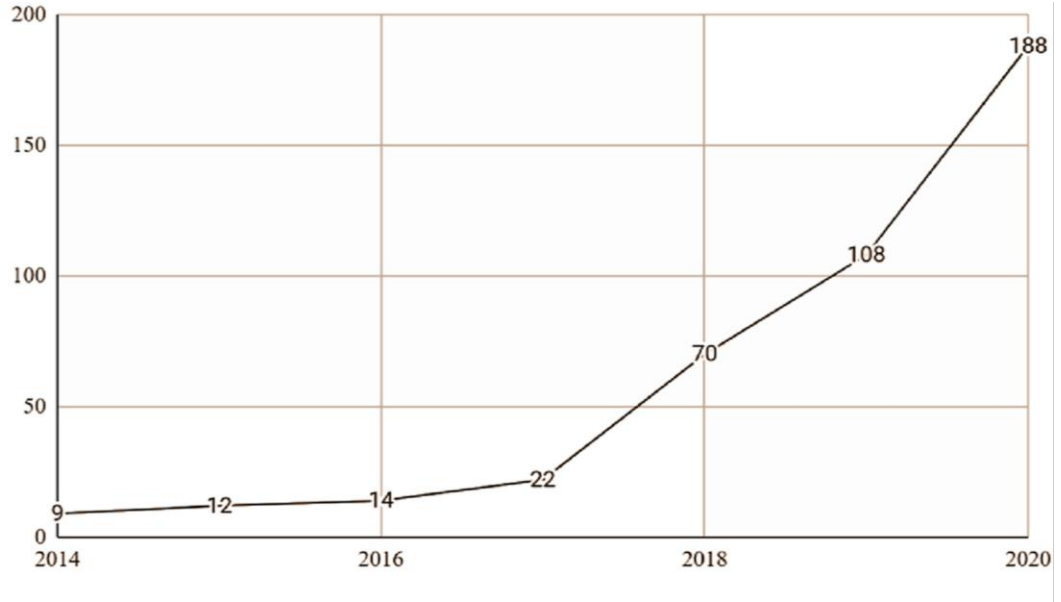
- Founded 2005: Negroponte, Papert, Jepsen, Kay, …

"Expecting a laptop to cause such a revolutionary change showed a degree of naivete, even for an organization with the best of intentions and the smartest of people."

AI Literacy

- Many courses focus on things like:
  - "basic understanding of AI"
  - "AI resources, tools and technologies"
  - "hands-on AI-related activities"
  - "gain strategic advantage through [AI]"
- Although many also mention ethical aspects, few actively encourage the user towards **"critical AI literacy"** (see Bali, 2023)

articles per year on AI literacy



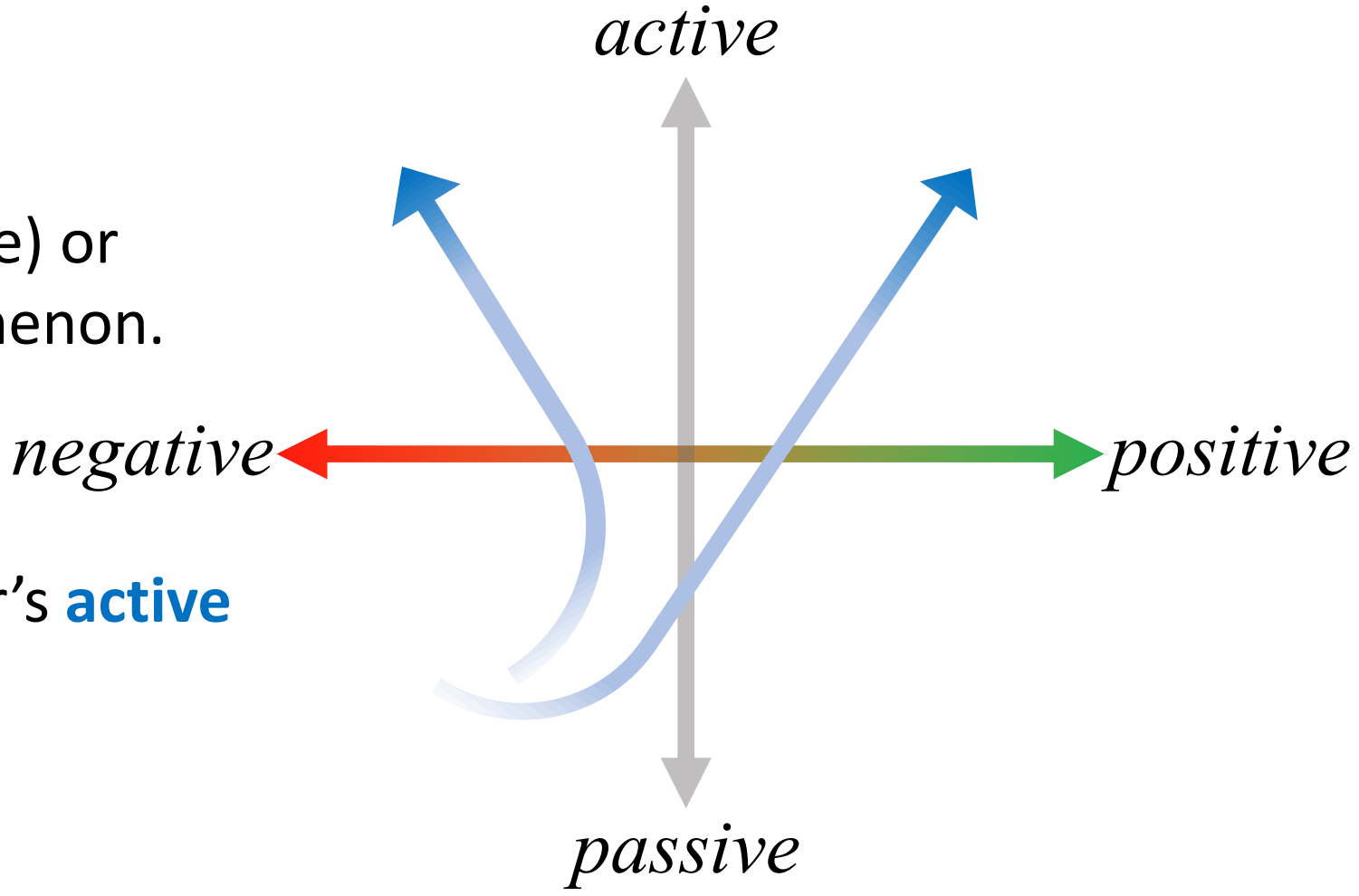
Ng, Leung, Chu & Qiao, "Conceptualizing AI literacy: An exploratory review", *Computers and Education: Artificial Intelligence*, 2021

Maha Bali (2023), What I Mean When I Say Critical AI Literacy

Data/AI Agency

AI is not only a positive (hype) or negative (alarmism) phenomenon.

We should foster the learner's **active agency** with respect to AI.



Tedre, M., & Vartiainen, H. (2023). K-12 Computing Education for the AI Era: From Data Literacy to Data Agency. *Proceedings of the 2023 Conference on Innovation and Technology in Computer Science Education V. 1*, 1–2.

More info

You can find all these applications and related teaching materials here:

https://www.gen-ai.fi/en

