



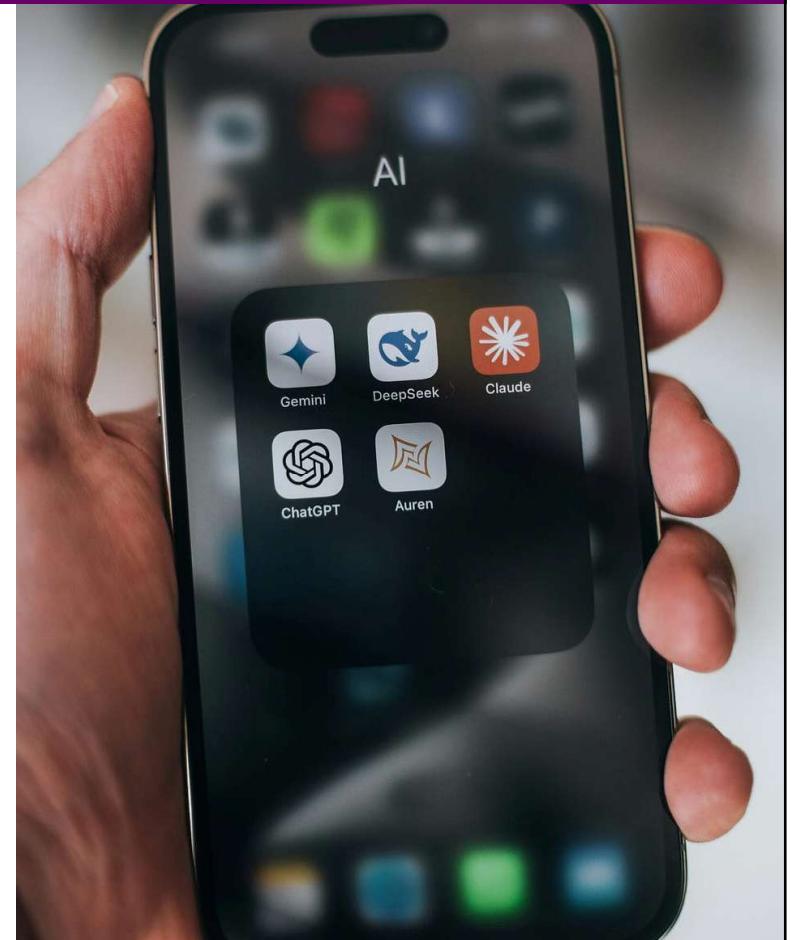
Responsible AI: Safeguards, Risks & Governance

Dave Bradshaw – Head of Presales (Education) at Civica



Quick Recap: What Do We Mean by “AI”?

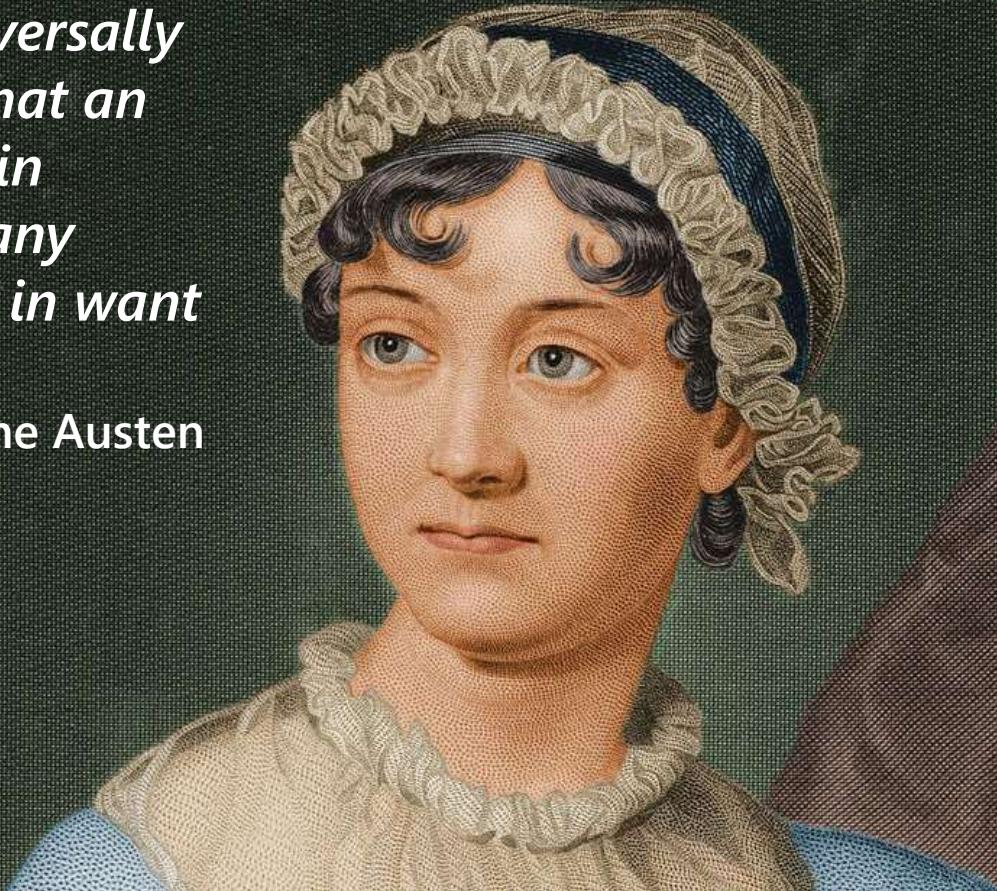
- When we’re talking about “use of AI” we’re talking about applications that use **Large Language Models (LLMs)**.
- Remember:
 - LLMs are trained on very large datasets
 - Their algorithms break down human language and spot patterns, which they use to make **sophisticated predictions**.
- These tools can:
 - Analyse data to draw logical conclusions
 - Generate “original” material



Environmental Considerations

*"It is a truth universally acknowledged that an **AI data centre** in possession of many servers, must be in want of **water**."*

- probably not Jane Austen



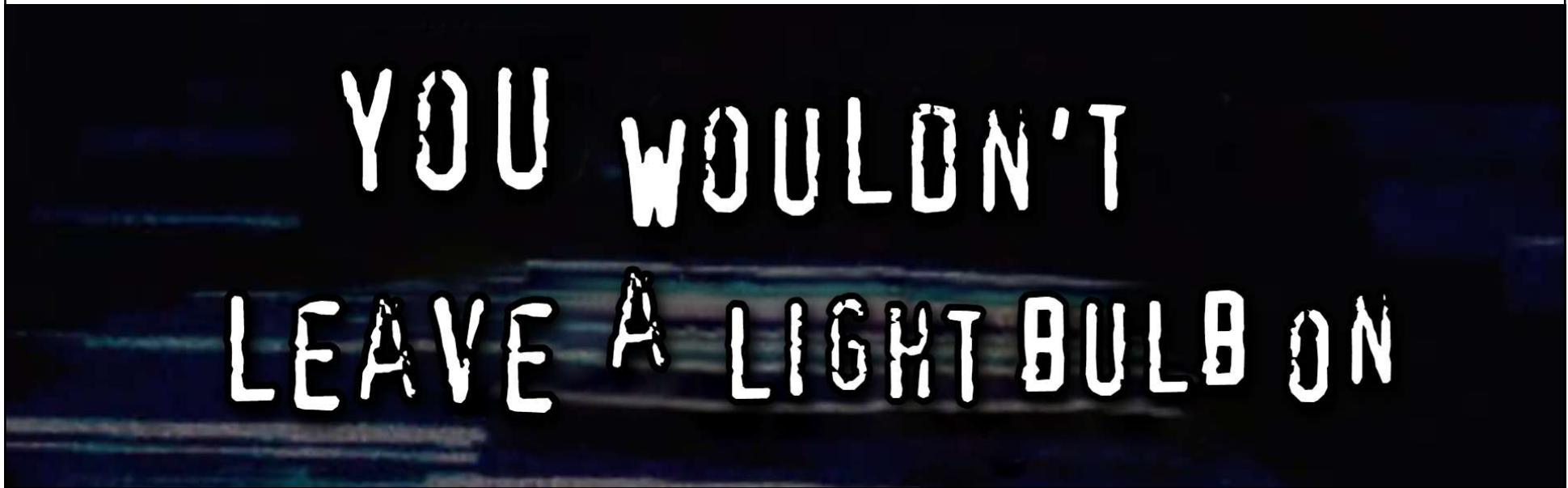
Environmental Considerations

- The data centres for processing LLMs require an enormous amount of power and this requires **water-based cooling**.
- The GDA's 2025 report highlights that AI is predicted to lead to an increase in global water usage from 1.1 billion to **6.6 billion cubic metres of water by 2027**.
- Data centres also cause a **strain of utilities, risk of drought and significant noise pollution** for those nearby. They are also often built near minority and low-income communities.



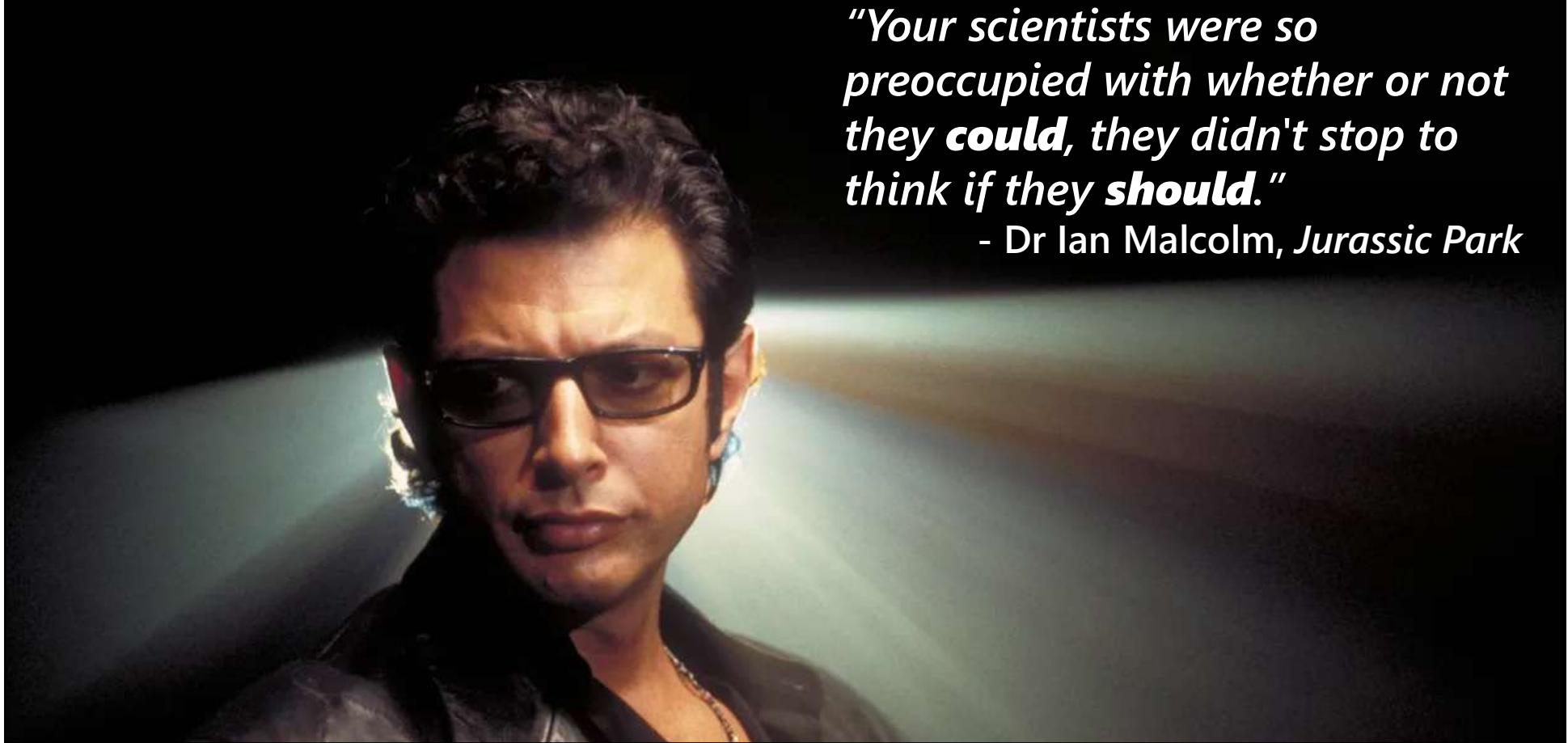
Environmental Considerations

- Currently, there is no way to use this technology without some environmental impact. Approximately 500ml of water is used for every 20-50 ChatGPT prompts.
- The onus is on us to **use AI tools responsibly to limit the cumulative effect.**



YOU WOULDN'T
LEAVE A LIGHT BULB ON

Broader Ethical Considerations



*"Your scientists were so preoccupied with whether or not they **could**, they didn't stop to think if they **should**."*

- Dr Ian Malcolm, *Jurassic Park*

Broader Ethical Considerations

- All LLMs are trained using vast amounts of publicly visible (but not public domain) data, much of which is **copyrighted**.
- There is no legal precedent yet on whether training a generative AI tool counts as copyright breach, but cases are ongoing e.g. Disney, NBC Universal and DreamWorks against Midjourney.
- What we do know is that use of **generative AI is negatively affecting smaller artists** as companies turn to AI instead of hiring freelancers.



Broader Ethical Considerations

pexels pixabay Unsplash

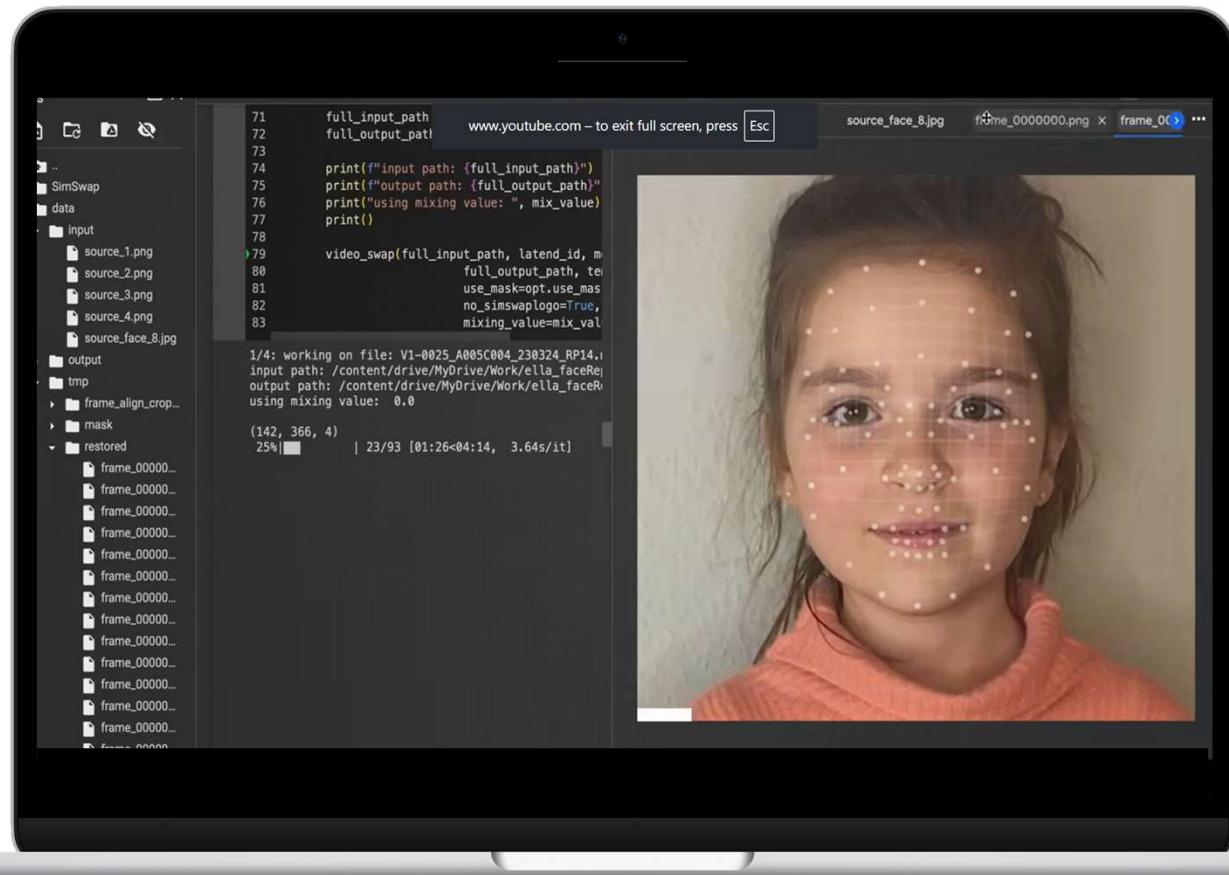


Broader Ethical Considerations

- AI tools are incredibly good at analysing data but **never forget you're still handling sensitive pupil information.**
- Ensure you use a licensed tool (like Microsoft Copilot) that keeps your data private. **Never put sensitive data into a publicly available tool**, like ChatGPT or Grok.



Broader Ethical Considerations



Without Consent: A Message from Ella

Trigger Warning
Reference to
child sexual abuse



Broader Ethical Considerations

- Generative AI tools can “hallucinate” information that is factually incorrect.
(Remember, it’s not an encyclopaedia or even a Google search...)
- Always watch out of **telltale signs of AI generated text** e.g.
 - Bullet pointed lists
 - Scatterings of bold words for emphasis
 - Oxford commas
 - Em dashes
 - American spellings
 - Generic tone of voice



Broader Ethical Considerations



- AI tools, especially generative AI, can seem very exciting... and it is! But **we have a responsibility to use these tools wisely and encourage others to do so.**
- Work with your Senior Leaders to **establish a policy for responsible use of AI**, including:
 - What AI can and can't be used for
 - What (if any) AI tools you're allowed to use with pupil data
- Pupils will always think they know more than teachers about emerging technology, but **we all have a responsibility to educate them and learn with them.**



Food for Thought: Today's Takeaways

All AI tools have environmental impact and ethical considerations.

Is AI the best tool for what you're trying to do?

You need to use tools that keep sensitive data private.

Does your school have an AI policy and are you following it?

This technology is new and everyone is still learning.

Are you modelling good practice and helping to educate others?





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