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Closing Thoughts

From the perspective of a climate + AI scientist

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1. We need to **move beyond discussions of the catchall "AI"**; it is hurting progress in the sciences. We need to be more specific about what tool we mean, and for what purpose.

2. **An immediate threat is AI slop**. The hype and rapid pace of untested products means that we may irreparably damage trust. *"Fool me once, shame on you. Fool me twice, shame on me."*

3. Renewed emphasis on **explainability & interpretability** is imminent, but the pace will slow. We will find ourselves asking "how much explainability is enough" for action?

4. I am most concerned about how society will obtain and process climate information via LLMs. **Distillation to superficial blurbs and disinformation will be our greatest challenge.**