

# { Closing Thoughts

National Academies Roundtable on Artificial Intelligence & Climate Change  
Accelerating Climate Progress with AI: From Science to Action

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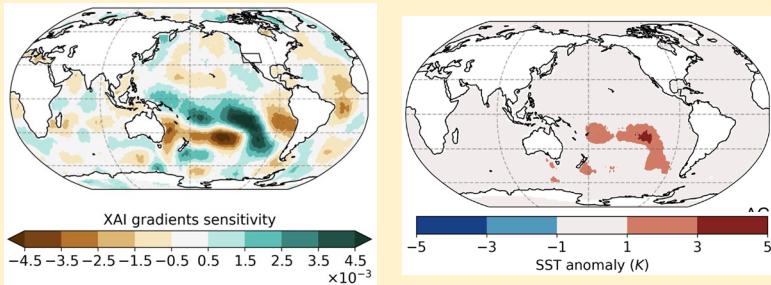


## What's next for climate science and AI?

Returning to the fun of being an atmospheric scientist

Proving the causality and dynamical mechanisms in AI-identified relationships

Hypothesis generation



Alessi et al., 2025, *JClim*

## Climate science and AI in the international space

United Nations Loss & Damage Fund

Climate litigation

Importance of *rapid* climate attribution studies (event to impact to source attribution)

Addressing data gaps in Global South

## Climate science and AI in a new era

Science is currently under attack

Privatization of our work

Importance of communicating our work and gaining trust