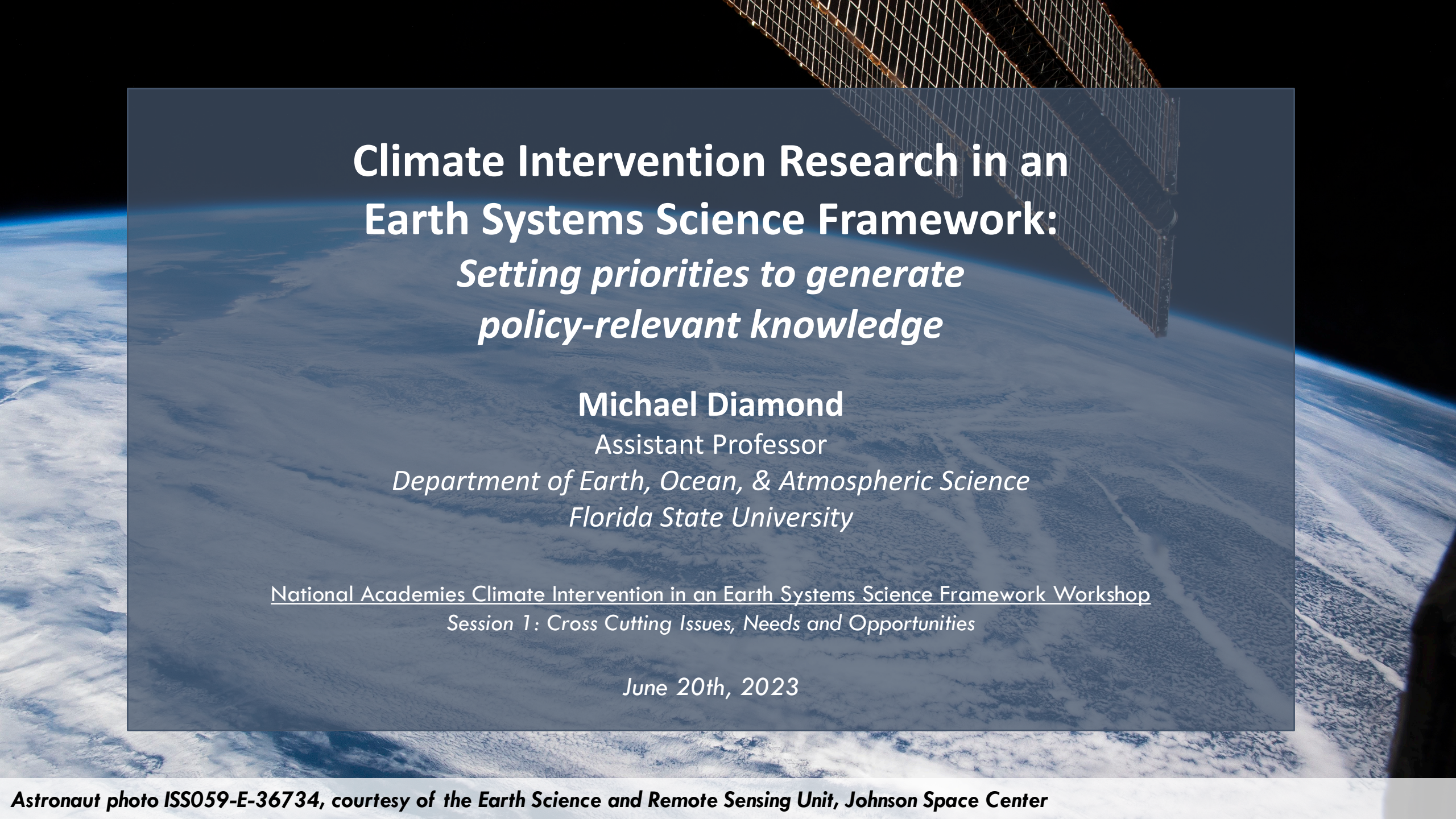


The background of the slide is a photograph taken from the International Space Station (ISS) showing a large solar panel array in the upper right corner, extending diagonally across the frame. Below the panel, the Earth's surface is visible, showing a mix of blue oceans, white clouds, and brownish-green landmasses. The horizon of the Earth is visible in the distance, with a thin blue line of the atmosphere. The overall scene is set against the blackness of space.

Climate Intervention Research in an Earth Systems Science Framework: *Setting priorities to generate policy-relevant knowledge*

Michael Diamond

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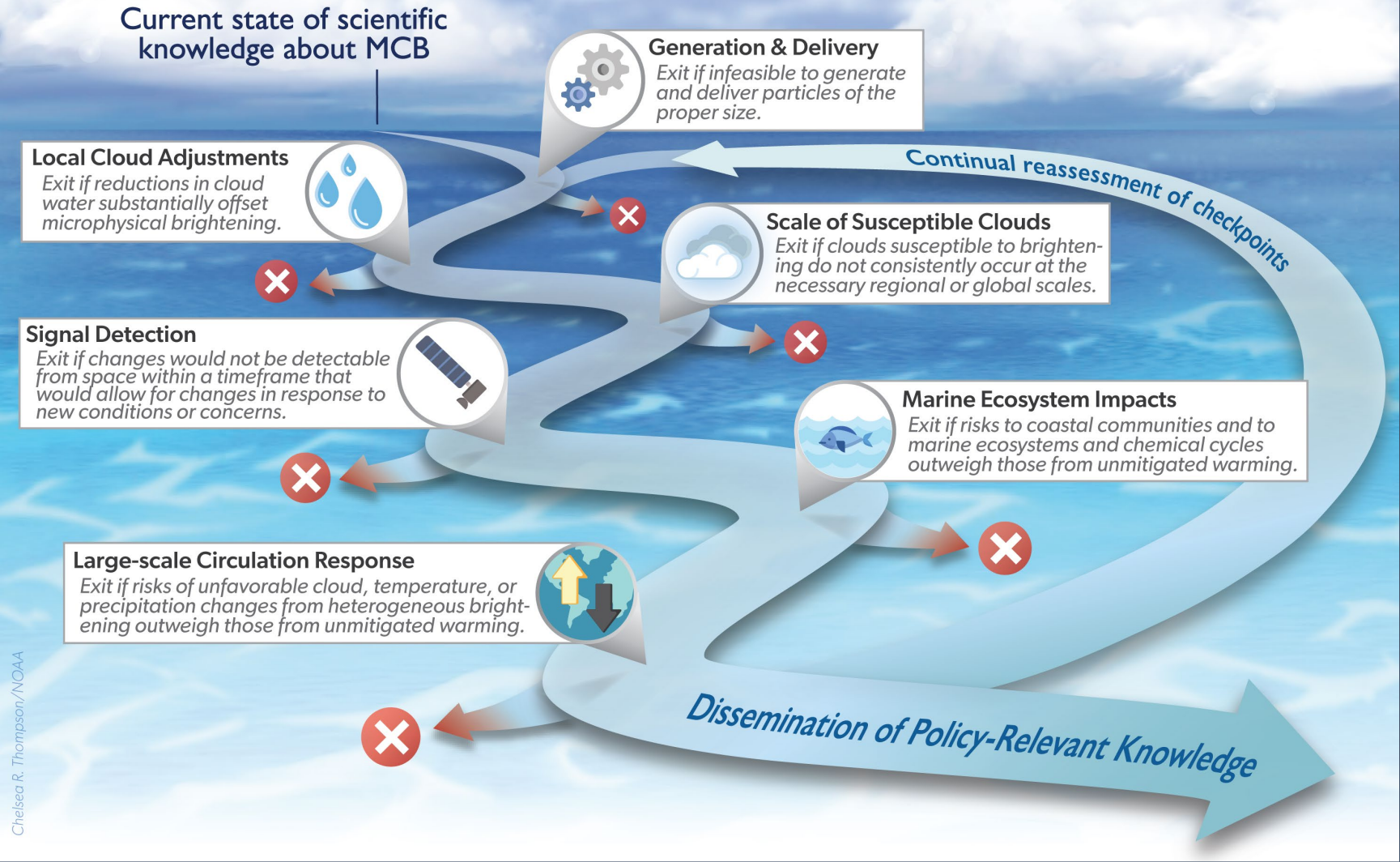
National Academies Climate Intervention in an Earth Systems Science Framework Workshop
Session 1: Cross Cutting Issues, Needs and Opportunities

June 20th, 2023



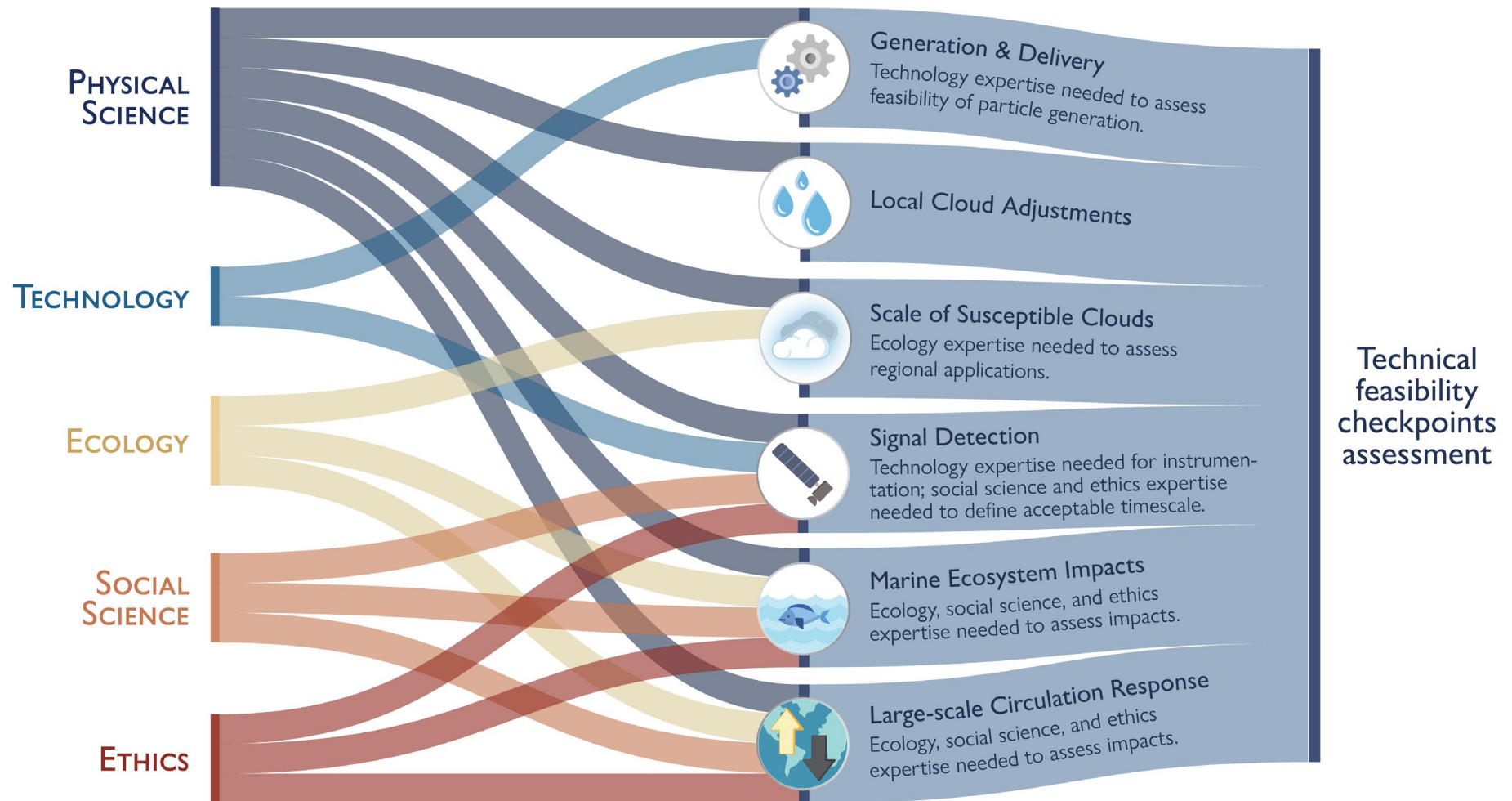
1. Set priorities for what we need to study — and determine criteria for when to stop.

PHYSICAL SCIENCE CHECKPOINTS IN MARINE CLOUD BRIGHTENING RESEARCH

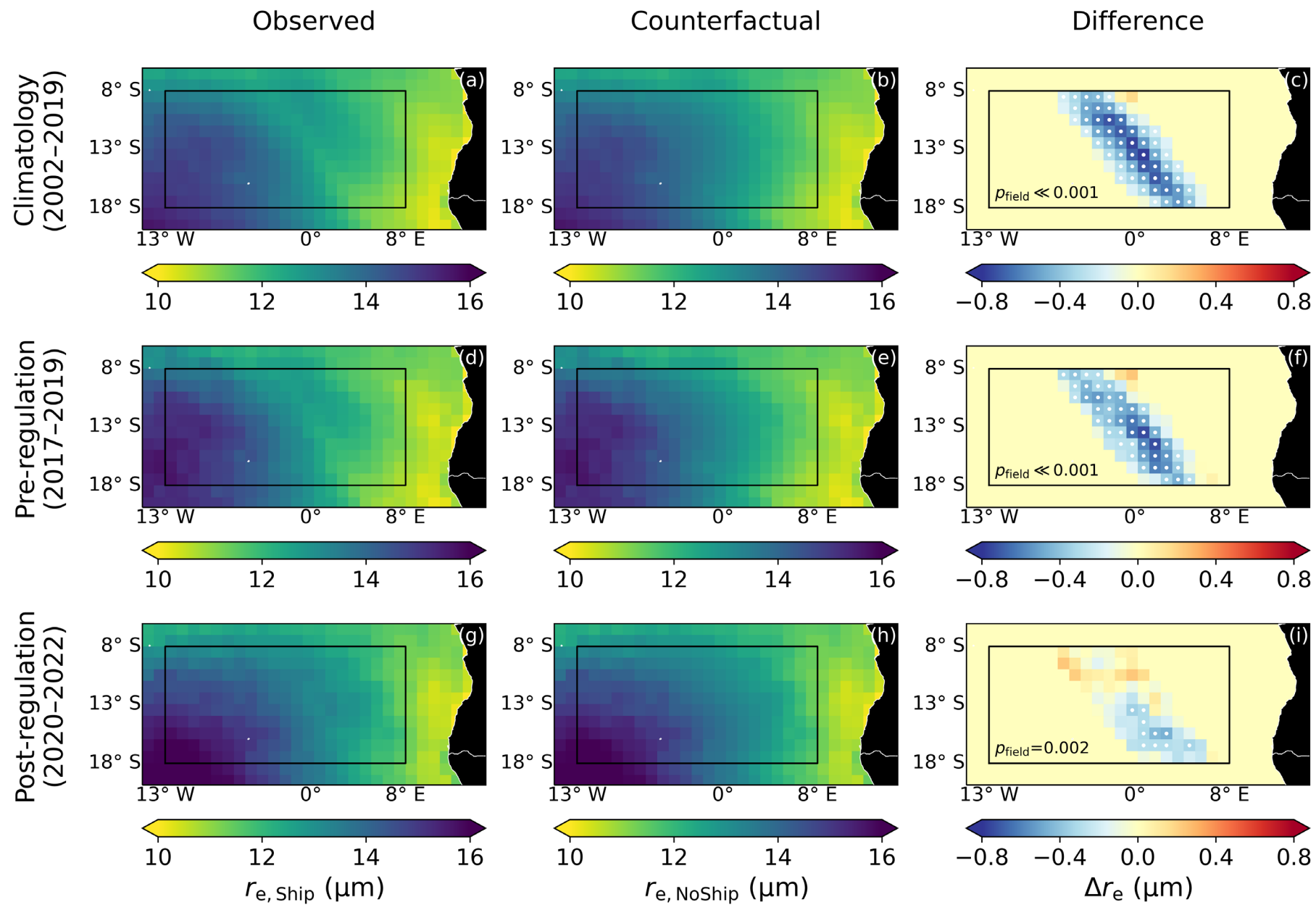




2. Interdisciplinary work is necessary, but costly. How can the NSF break down barriers?



3. What can we learn from “natural experiments” like the IMO 2020 ship sulfur limits?





4. And what can we only learn from small-scale outdoor experimentation?

