2nd Call for

Virtual Workshop Series on Stratospheric Aerosol Injection (SAI)

6. – 9. October 2025

The World Climate Research Program (WCRP) Lighthouse Activity "**Research on Climate Intervention**" and the Core Activity "**Atmospheric Processes and their Role in Climate**" are hosting a series of Virtual Workshops, in which the community can discuss the topic of Stratospheric Aerosol Injection (SAI), a proposed climate intervention that would aim to reduce the impacts of global warming through the injection of reflective particles in the stratosphere. As this topic becomes more widely discussed, it is important that robust scientific discussions are had to better identify potential risks and impacts of SAI across different scenarios, to understand and reduce uncertainties in future projections using Earth System Models, and to understand potential observational strategies to detect and monitor potential deployments. Furthermore, it is important to foster an inclusive, international dialogue where diverse perspectives are heard.

We welcome brief presentations from groups interested in showcasing and discussing their research on the topic, as well as participants that are interested in learning more and discussing potential future research activities.

Themes:

- Observational strategies: detection, monitoring and attribution
- SAI modeling: processes, capabilities and uncertainties
- Simulation strategies and scenario exploration (emulators)
- Impacts on atmospheric composition, from the stratosphere to air quality
- Global and regional surface climatic impacts, including societal and ecological
- Ethical aspects of studying and testing SAI

Further information and registration:

https://www.wcrp-climate.org/ci-workshop-series-sai

Please register presentations before 15 August 2025!

Organizing Committee:

Daniele Visioni, Cornell University, USA; Marc von Hobe, Forschungszentrum Jülich, Germany; Karen Rosenlof, NOAA, USA; Jean-Paul Vernier, NASA/NIA, USA + University of Reims, France; Simone Tilmes, NCAR, USA