

46th Session of the World Climate Research Programme  
**Joint Scientific Committee**

# LHA Research on Climate Interventions

Nadine Mengis & Daniele Visioni

**WCRP**

World Climate  
Research Programme

*Nadine Mengis*

*12-16 May, 2025*

*WCRP JSC-46, Paris*



# Key highlights for the Joint Scientific Committee

- Publication of two review papers on research gaps for Climate Interventions (SRM, mCDR) to Frontiers with CI LHA contributions
  - One still in preparation (tCDR)
- Two townhalls (AGU, Dec. 2024; EGU Apr. 2025) to present the activity and foster exchange with the scientific community
- DEGREES Global Forum on SRM (May 12-16, 2025)
- UNEP-WMO Workshop on SRM - Science Policy Dialogue (19-20 May 2025), support UNEP-UNEA meeting (Dec. 2025)

**WCRP**

World Climate  
Research Programme



WORLD  
METEOROLOGICAL  
ORGANIZATION



Intergovernmental  
Oceanographic  
Commission



International  
Science Council

# Future plans and priorities

- Joint WCRP-APARC and R-CI report on Stratospheric Aerosol Injection (SAI)
  - ISSI Proposal for 2025-2026
- Review of existing best practices on CDR and SRM research (esp. AGU Framework)
  - development and/or adaptation of best practices and standards on CI research
- Engagement with IPCC in support of WG1 (chapter on Earth System's response under pathways towards stabilization and overshoot) and WG2 (risk management related to CI).
- Development of long-term research plan
  - Topics: Monitoring and attribution of climate interventions; Governance of climate interventions; Assessment of Climate Impacts of combined CDR & SRM scenarios

# Suggestions, issues or challenges

- Issues/challenges:
  - difficult launch of LHA-CI → expectation management
  - (external) perception of LHA-CI very much on SRM
  - difficult to connection to other WCRP activities on overarching issues (governance, best-practice for monitoring, ethical guidelines for research)
  - missing research plan → need for an in-person meeting/workshop to align CDR-SRM expertise and common objectives.
- Suggestions:
  - Rename or refocus LHA to clarify scope
  - Expand scientific steering group to get to critical mass for key topics

**WCRP**

World Climate  
Research Programme



WORLD  
METEOROLOGICAL  
ORGANIZATION



Intergovernmental  
Oceanographic  
Commission



International  
Science Council

# Thank You

