

47th Session of the World Climate Research Programme
Joint Scientific Committee

Research on Climate Interventions

WCRP

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27-30 April 2026

Virtual



1. Key highlights for the Joint Scientific Committee

DEGREES Global Forum on SRM (May 12-16, 2025), Cape Town, South Africa

EGU General Assembly (April 27-May 2, 2025), Vienna, Austria

- Session organized during both events, presenting the LHA activity and providing time for discussion and questions
- Enabling the scientific community to learn about the LHA and to provide input

LHA also presented at various online forums (ESMO, US Clivar, ESA...)

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2. Key highlights for the Joint Scientific Committee

WMO-UNEP Consultative Workshop on SRM – Science Policy Dialogue, 19-20 May 2025, Geneva

- First joint WMO workshop with UNEP with WMO represented by WCRP and its experts (5 WCRP experts) and enabled a structured science-policy dialogue
- ~200 participants; **54 Member States and NGOs**

Outcomes: UNEP-WMO Joint Report

- <https://wedocs.unep.org/items/7d650341-cce5-4d3c-ba68-4f500acfa6e4>
- need for transparent and inclusive research governance highlighted,
- a clearer understanding of uncertainties, knowledge gaps and ecological and regional impacts,
- Reaffirmation that SRM is not a substitute for mitigation, and that any decisions require careful, evidence-based assessment.

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3. Key highlights for the Joint Scientific Committee

WCRP R-CI and APARC Joint Webinar Series on Stratospheric Aerosol Injection (SAI), 06-09 October 2025, Virtual

- Joint WCRP- APARC SAI webinar series enabling structured scientific exchange across key SAI themes:
 - Stratospheric processes & aerosol–radiation interactions
 - Modelling & Earth system responses
 - Impacts (regional climate, extremes)
 - Risks, governance & ethics
- ~250 participants with strong EMCR engagements (priority for presentations)

Outcomes: recordings and abstracts available, providing a useful primer for the state of SAI science, highlighting

- key uncertainties, sensitivity to deployment strategies,
- gaps in coordinated modelling and observations,
- growing focus on risks, ethics and governance.

Report published in APARC Newsletter 66 , Jan. 2026



4. Key highlights for the Joint Scientific Committee

Involvement in IPCC AR7:

- Participation in the AR7 Scoping Meeting in Kuala Lumpur (2024)
- Various LHA SSC members participating in AR7 (& CDR methodology report) as LA and CLA in relevant chapters (Ch 9 in WG1 and Ch 2 in WG2)
- Coordination around research gaps and scenarios with relevant MIPs (GeoMIP and CDRMIP)

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1. Future plans and priorities

A joint SLC- R-CI Webinar Series:

Webinar 1: Science- Policy Interface (25 May 2026)

The webinar will focus on bridging the gap between climate intervention science and policy implementation and will be structured around 3 complementary perspectives:

- (1) *Role of scientific assessments in shaping policy thinking and decisions*
- (2) *Information needs of policymakers (timelines, uncertainties, usable outputs)*
- (3) *Expectations from the science community to support governance of CI research*

Strong emphasis on real-world governance processes and aims to improve two-way knowledge exchange (science ↔ policy)



Registration: <https://forms.office.com/Pages/ResponsePage.aspx?id=VL6m6odGxECYJ8BEvY6NPD2wiwI8RmRDhfktdbjaBxBUNE9YRUFOSDZWNIZHVkZISjVRWFJPSzY2NS4u>.

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2. Future plans and priorities

R-CI In-Person Community Workshop and SSG Meeting (Oct/Nov 2026- TBC- APARC GA or IPCC LAM3)

Crucial to hold the first in-person activity of the R-CI Lighthouse to bridge SRM and CDR communities

Objective: Focus on interactions under overshoot scenarios:

- warming commitments,
- reversibility / irreversibility
- physical, societal and governance dimensions

Working format:

SSG coordination (0.5 day)

2–3 days interdisciplinary discussions + scenario work (back-casting)

Small, targeted group (SSG + selected experts)

Expected outcomes:

Integrated SRM- CDR research agenda (gaps + interactions)

Initial scenario framing for exploring SRM–CDR pathways (short- & long-term; relevance for CMIP / IPCC AR7)

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Suggestions, issues or challenges

Activity launched with high expectations on a sensitive topic

- *Need for clearer articulation of objectives and scope (early phase)*
- *Balance between SRM–CDR critical for credibility and engagement*
- *Limited progress partly due to lack of in-person interaction*

The SSG is currently working on these and believes a joint SRM-CDR community workshop will help articulate the scope and engagement better.

- *Capacity constraints / uneven engagement within SSG*

Nominations for a few new SSG members ensuring CDR is also well represented.

- *JSC Liaisons appointment much appreciated and will help improve communication and expectations from both sides.*

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Thank You



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Additional slides and information

- *Any additional info that you would like the JSC to be aware of but that you won't have time to present*

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