

45th Session of the WCRP Joint Scientific Committee (JSC-45) Agenda

DRAFT: 3 May 2024

May 27 – 30: *Hybrid* Plenary Session

(Afternoon of May 29th and part of afternoon of 30th: JSC only Session)

Background

- The 45th session of WCRP's Joint Scientific Committee (JSC-45) will assess progress made by WCRP activities towards WCRP's goals and will advance the scientific program as documented in the Science and Implementation Plan.
- The session will be essentially virtual but with JSC members gathering in Lima, Peru. The session will be back-to-back with an ANDEX meeting in Lima. WCRP activity representatives participating in the ANDEX meeting can also participate in person in the JSC meeting.
- During Wednesday morning a public Peru Science Day will take place.
- Logistical instructions will be made available through the JSC-45 website at <https://www.wcrp-climate.org/jsc45>.
- Presentations and reports will be made available in advance of the meeting. Due to the limited meeting time, we ask all participants to read through these documents in advance. See <https://www.wcrp-climate.org/jsc45-about>.
- During the meeting, questions from all virtual participants can be submitted via the Chat Box. The WCRP Secretariat will moderate the chat and notify the chair as applicable.
- As always: attendance at this JSC session is by invitation only. Should you wish to attend, please contact Mike Sparrow (msparrow@wmo.int).

All times in the below agenda are quoted in Lima time.

Please see <https://www.timeanddate.com/worldclock/meeting.html> for the respective times in your area.

Day 0 (26th of May): 19:00 - 21:00 Icebreaker (IRD headquarter)

Day 1 (27th of May)

Rapporteurs: TBC

Chairs D. Stammer and P. Braconnot

Joint JSC45-ANDEX Opening Session 08:00 - 09:30

- Welcome from local authorities [up to 10 mins each], (likely reps from IRD, IGP, and UPCH – TBC, MINAM-TBC)
- Welcome and comments from WCRP co-sponsors [up to 10 mins each] C. Saulo (WMO), S. Aricò (ISC), (V. Helgesen – video message) (IOC-UNESCO)
- Opening and Goal of JSC-45 from JSC Chair and Vice-Chair [15 mins] (D. Stammer, P. Braconnot)
- Opening and Goal of ANDEX SSC from ANDEX Co-Chair [10 mins] (J. Espinoza)

(JSC and ANDEX move to their own sessions: 15 mins)

1. JSC Opening Session 09:45-10:00

- Welcome and approval of JSC Agenda [10 mins] (*D. Stammer, P. Braconnot*)
- Welcome on behalf of WCRP Secretariat and guidelines for participants and logistics of JSC-45 [5 mins] (*M. Sparrow*)

10:00-10:20 Coffee/Tea

2. WCRP OSC Outcomes 10:20-10:40 (*D. Stammer*)

3. WCRP Science and Implementation Plan 10:40-11:10

(D. Stammer, P. Braconnot)

- Plans and timeline with regards to finishing the WCRP Science and Implementation Plan [10 mins] (*D. Stammer, P. Braconnot and M. Sparrow*)
- Status WCRP Branding [10 mins] (*D. Stammer and N. Van der Wel*)
- New approach to annual budgeting [10 mins] (*D. Stammer*)

4. Strategic initiatives and Issues: Update and Discussion part 1 11:10-11:50

4.1 Status of CMIP 7 and Scenarios 11:30-11:50 [20 mins] (*H. Hewitt and D. van Vuuren*)

4.2 WCRP Budget and Cycles Team 11:10-11:30 [20 mins] (*J. Polcher*)

11:50-13:30 Lunch

4. (cont.) Strategic initiatives and Issues: Update and Discussion Part 2 13:30-14:10

- 4.3 Monsoons activities [20 mins] (TBC)
- 4.4 Outcome of CliC Review [20 mins] (D. Stammer)

5. Presentations and Discussion of WCRP core activities 14:10-18:00

Part 1: Lighthouse Activities

- 14:10-14:40 My Climate Risk Lighthouse Activity [30 mins] (*R. Rodrigues*)
- 14:40-15:10 GPEX [30 mins] (TBC)
- 15:10-15:40 Explaining and Predicting Earth System Change [30 mins] (*R. Sutton, or K. Findell*)
- 15:40-16:10 Climate Intervention [30 mins] (TBC)

16:10-16:30 Coffee/Tea

- 16:30-17:00 Digital Earths Lighthouse Activity [30 mins] (*A. Gettelman or P L Vidale TBC*)
- 17:00-17:30 Safe Landing Climates Lighthouse Activity [30 mins] (*S. Sherwood*)
- 17:30-18:00 Discussion

18:00 ANDEX poster session (30 mins)

Day 2 (28th of May): 09:00-18:00

Rapporteurs: TBC

Chairs: D. Stammer and P. Braconnot

09:00-09:45 Discussion IPCC-WCRP Collaborations: R. Vautard, B. Van den Hurk, W. Chow, D. Stammer, P. Braconnot

- AR7 agenda and organisation
- Key topics for which new information is needed from WCRP, e.g., through assessment papers.
- Interest for common expert workshop on some topics (e.g., tipping points, Science of Climate Intervention)

Presentations and Discussion of WCRP core activities (cont.) 09:45-12:00

Part 2: Core Projects

- 09:45-10:30 Atmospheric Processes and their Role in Climate (APARC) Core Project [45 mins] (*A. Maycock, K. Rosenlof, and/or O. Morgenstern, TBC*)

10:30-11:00 Coffee/Tea Break

- 11:00-11:45 Regional Information for Society (RIfS) (including CORDEX and Global Extremes Platform) [45 mins] (*B. Hewitson, S Solman, and/or S Pryor TBC*)
- 11:45-12:30 Earth System Modelling and Observations (ESMO) Core Project (including CMIP) [45 mins] (*S Tegtmeier and/or B Fox-Kemper TBC*)

12:30-14:00 Lunch

Part 2: Core Projects (cont.) 14:00-18:00

- 14:00- 14:45 Climate and Cryosphere (CliC) [45 mins.] (*E. Hanna*)
- 14:45-15:30 Climate and Ocean Variability, Predictability and Change (CLIVAR) [45 mins] (*S. Legg and/or F. Engelbrecht TBC*)
- 15:30-16:15 Global Energy and Water Exchanges (GEWEX) [45 mins] (*J Polcher and/or X Zeng TBC*)

16:15-16:45 Afternoon Coffee

Part 3: Discussion 16:45-18:00

- Improving Connections between Core Activities

18:00 ANDEX poster session (30 mins)

End of Day 2

Day 3 (29th of May): 8:30-18:00

08:30-13:00 Peruvian Science Session

This session is devoted to a discussion with local scientists.

08:30-09:00 Welcome and Opening. (UPCH TBC)

09:00-09:20 The World Climate Research Program (WCRP) and opportunities for climate science in the Andean region D. Stammer, JSC Chair

09:20-09:35 The Global Energy and Water Exchanges Project (GEWEX) and the WCRP Global Precipitation Experiment (GPEX). Jan Polcher (CNRS – GEWEX Co-chair).

09:35-09:50 WCRP-Academy (Christopher Lennard - Co-chair WCRP-Academy)

09:50-10:05 The WCRP Regional Climate Information for Society (RIfS) Project. Silvina Solman (Co-chair of RIfS).

- 10:05-10:20 The Regional Hydroclimatic Program for the Andes (ANDEX). Jhan-Carlo Espinoza (IRD – Co-chair of ANDEX)
- 10:20-10:35 A network of young researchers and professionals for the Andes – JovenANDEX (TBC)
- 10:35-10:50 IPCC-ANDEX. Ken Takahashi (IGP)
- 10:50-11:05 Challenges in climate modeling for the Andes (Alejandro Martinez (Univ. of Antioquia Colombia) and Clementine Junquas (IRD)
- 11:05-11:20 ANDEX challenges for the coming years. Paola Arias (Univ. of Antioquia Colombia)
- 11:20-11:50 Climate and health (UPCH TBC)
- 11:50-12:00 Awarding of the Joven ANDEX poster session.
- 12:00-12:30 Closing words (TBC)
- 12:30-13:00 Poster visit.

13:00-14:30 Lunch

14:30-18:00 Closed JSC (in camera plus WCRP Secretariat) only session

18:00 End of Day 3

Day 4 (30th of May): 08:30-18:00

08:30-13:00 Open JSC Session

5. Presentations and Discussion of WCRP core activities (cont.)

The WCRP Academy 08:30-9:00 [30 mins] (M. Hart and C. Lennard)

6. Early and mid-career career researchers in WCRP 09:00-09:30

(P. Braconnot, H. Palanisamy)

- Review of EMCR status and recommendations [20 mins]
- ECS networks (YESS etc.) [10mins] – **ask for volunteers?**

7. Global Fellowships 09:30-10:00 (P. Braconnot, and D. Stammer)

- General Concept of Global Fellowships
- Status of the 2024 call focussed on Africa
- Preparation of the next calls

10:00-10:20 Break

8. Partner Interactions 10:20 -11:20 [60 mins]

10:20-10:50 Future Earth (lead K. Ebi)

- *Global collaborations*
- *Collaborations between WCRP and Future Earth Research Projects*

10:50-11:20 WMO:

- Global Framework for Climate Services (GFCS) [10 mins] (C. Hewitt)
Mutual interests, ongoing or required collaborations, next steps
- World Weather Research Programme [10 mins] (C. Davis or E. De Coning)
- Global Atmosphere Watch [10 mins] (P. Laj)

11:20-12:20 Partnerships: General Discussion [60 mins]

Including input from GCOS, GOOS, OOPC, Space agencies (NSF, NASA, EUMETSAT), USGCRP, Copernicus, APN, Belmont, GEO, SCOR, SCAR...

9. Final Session 12:20-13:10

12:20-12:50 JSC Task Team on Budgeting [30 mins]

- Proposal for 2025 Budget

12:50-13:00 WCRP Secretariat [10 mins] (M Sparrow)

13:00-13:10 Closing Remarks [10 mins] (D Stammer, P Braconnot, M Sparrow)

13:10 -14:30 Lunch

JSC Only session (finalisation of any open items). Start at 14:30.