

42nd Session of the WCRP Joint Scientific Committee (JSC-42) Online Outline Agenda

DRAFT: 11 June 2021

Videoconference 28 June - 2 July (all) and 8th July (JSC/WCRP Secretariat only)

Background

- This 42nd meeting of WCRP's Joint Scientific Committee (JSC-42) aims to take a number of important decisions for the programme, including the approval of the plans for the new Lighthouse Activities, the new "Core Projects" on "Earth System Modelling and Observations" and "Regional Climate Information for Society" as well as progress with the current Core Projects, Grand Challenges and other major activities.
- The JSC and leadership of our activities will discuss and decide on the next steps for the "soft" implementation of WCRP's Strategic Plan including the format and structure of the Implementation Plan itself.
- A link and instructions for the JSC sessions will be sent out to all participants. We will be using Zoom this year as this allows us to include breakout sessions. Should anyone have issues with this please contact the Secretariat and we will do our best to assist.
- Presentations and/or reports will be made available in advance of the meeting. Due to the limited meeting time, please make sure you read through the full presentations/reports beforehand. See <https://www.wcrp-climate.org/jsc42-documents>.
- During the virtual meeting questions can be submitted via the Chat Box. A member of the WCRP Secretariat will moderate the chat and notify the chair as applicable.
- Wenchao (wcao@wmo.int) in the WCRP Secretariat will run all presentations to ensure a smooth transition between sessions.
- If you have any technical issues during the session, please contact Catherine (catherine.michaut@ipsl.fr).
- Attendance at this virtual JSC-42 is by invitation only. Should you wish to attend please contact Mike Sparrow (mssparrow@wmo.int).

All times in the below agenda are quoted in Geneva/Paris (CEST) time. Please see e.g. <https://www.timeanddate.com/worldclock/meeting.html> for the correct times in your area.

Day 1 (28th June): 15:00-18:00, Geneva/Paris time (180 mins)

15:00 – 15:35 Session 1: JSC Opening Session (35 mins)

(Chair D. Stammer, Rapporteur N. Van der Wel, Chat Moderator A. Caltabiano)

- Opening and welcome from JSC Chair and Vice-Chair [5 mins] (D. Stammer, H. Cleugh)
- Welcome and introduction of new WCRP Secretariat [5 mins] (*M. Sparrow*)
- Welcome from Co-sponsors [3 mins each] E. Manaenkova (WMO), H. Hackmann (ISC), V. Ryabinin (IOC)
- Goal of JSC-42 and Approval of Agenda [10 mins] (D. Stammer, H. Cleugh)
- Guidelines for a smooth running of the JSC via videoconference [5 mins] (D. Stammer, H. Cleugh)

15:35 – 15:50 Session 2: WCRP Implementation and the Way Forward (15 min.)

(Chairs H. Cleugh and D. Stammer, Rapporteur N. Van der Wel, Chat Moderator A. Caltabiano)

- The way forward [10 mins] (*D. Stammer, H. Cleugh*)
- Preliminary Input from the Regional Climate Forums (*H. Cleugh*) [5 mins]

15:50-18:00 Session 3: Discussion and Plans for the Lighthouse Activities and new Core Projects (120 mins)

(Chairs: J. H. Christensen, Rapporteur A. Caltabiano, Chat Moderator N. Van der Wel)

- Safe Landing Climates [30 mins] (G. Hegerl)
- Explaining and Predicting Earth System Change [30 mins] (R. Sutton/K. Findell)

10 minute break

- My Climate Risk [30 mins] (R. Rodrigues)
- Digital Earths [30 mins] (P. Bauer)

End of Day 1

Debrief for JSC Chair, Vice-Chair, Officers and Head WCRP Secretariat (30+ mins)

Day 2 (29th June): 08:00-11:15, Geneva/Paris time

08:00-10:00 Session 3: Discussion and Plans for the Lighthouse Activities and new Core Projects cont. (120 mins)

(Chairs: P. Braconnot (TBC), Rapporteur: N. Van der Wel; Chat Moderator A. Caltabiano)

- WCRP Academy [30 mins] (A. Charlton-Perez)

- Core Project on Earth System Modelling and Observations [40 mins]
(Includes reporting on CMIP, WGNE etc.) (C. Senior)

10 min break

- Core Project on Regional Climate Information for Society (B. Hewitson) [40 mins]
(Includes reporting on CORDEX) (D. Jacob)

10:00-11:15 Session 4: Discussion and Plans for the current Core Projects and Grand Challenges (75 mins)

(Chairs: T. Peter (TBC), *Rapporteur A. Caltabiano, Chat Moderator N. Van der Wel*)

- CliC & GC Melting Ice [45 mins] (J. Renwick & T. Naish)
- SPARC [30 mins] (Seok-Woo/ Neil Harris)

End of Day 2

Debrief for JSC Chair, Vice-Chair, Officers and Head WCRP Secretariat (30+ mins)

Day 3 (30th June): midday-14:45, Geneva/Paris time

Midday – 15:00 Session 4: Discussion and Plans for the current Core Projects and Grand Challenges (continued) (165 mins)

(Chair H. Cleugh; *Rapporteur N. Van der Wel; Chat Moderator A. Caltabiano*)

- CLIVAR [30 mins] (S. Legg)
- GEWEX [30 mins] (J. Polcher)

10 min break

- GC Clouds [15 mins] (S. Bony/B. Stevens)
- GC NTCP [15 mins] (A. Scaife)
- GC Extremes [15 mins] (G. Hegerl)
- GC Water [15 mins] (J. Polcher)
- GC Carbon [15 mins] (P. Friedlingstein, TBC)
- GC Sea Level [15 mins] (R. van de Wal/R. Nicholls/K. McInnes or D. Behar, TBC)

Debrief for JSC Chair, Vice-Chair, Officers and Head WCRP Secretariat (30+ mins)

End of Day 3

Day 4 (1st July): 21:00-midnight, Geneva/Paris time

21:00-midnight Session 5: Implementing the Strategy: Science gaps, Governance, Communications, Engagement and Budgetary Support (180 mins)

(Chair D. Stammer; *Rapporteur A Caltabiano; Chat Moderator N Van der Wel*)

- 1) Introduction [15 mins]

- 2) Parallel breakout discussion groups (focussed on WCRP) [60 mins; 15 min break; 60 mins]:
 - a. Coordination and Communication (Chairs: H. Cleugh and J Hurrell; N. Van der Wel)
 - b. Science Gaps (Chair D. Stammer; Rapporteur M. Sparrow)
 - c. Engagement: (with ECRs, with regions, with partners). Include Regional Forums, address inclusion and diversity needs. (Chair P. Braconnot (TBC); Rapporteur W. Cao)
 - d. Strategic investments (i.e. what are the priority areas and activities that require investment) (Chair J. Christensen; Rapporteur A. Caltabiano)
- 3) Plenary discussion [30 mins]

End of Day 4

Debrief for JSC Chair, Vice-Chair, Officers and Head WCRP Secretariat (30+ mins)

Day 5 (2nd July): 15:00-18:30, Geneva/Paris time

15:00- 16:30 Session 6: Science Partnerships, WCRP impact, and Resources
(Chair D. Stammer; Rapporteur N. Van der Wel ; Chat Moderator A. Caltabiano)

Introduction [10 mins]

Three parallel 50 Minute Break out sessions on the “external” facing topics covered during the previous day (*under development*):

- A: Science Partnerships (Future Earth, GCOS, WMO-RB, UN Decade, Space. etc.) (Chair: M. Visbeck; Rapporteur M. Sparrow)
- B: Impact of WCRP science (IPCC, COP, Sustainable Goals) (Chair: D. Stammer; Rapporteur A. Caltabiano)
- C: Resources (National funding, World Bank, office support, meeting support, foundations) (Chair: H. Cleugh; Rapporteur N. Van der Wel)

Brief summaries from breakout sessions [20 mins]

(10 min break)

16:30 - 18:30 Session 7: Way Forward and Next Steps

(Chair H. Cleugh; Rapporteur A. Caltabiano; Chat Moderator N. Van der Wel)

- Enhancing WCRP's collaboration with our co-sponsors and allied programmes and activities [15 mins] (D. Stammer/H. Cleugh)
- Preparation for COP 26 and UNFCCC [10 mins] (D. Stammer/M. Sparrow)
- WCRP Secretariat report on activities, connections to other support units, expenditure [10 mins]
- Regional Consultations / Climate Research Forums (Helen, 10 mins)
- Forthcoming events, meetings and conferences (e.g. the WCRP Open Science Conference) (Detlef/Helen/Mike) [10 mins]
- Update on WCRP Carbon footprint [10 mins] (P. Friedlingstein)
- New and emerging science issues [15 mins] (H. Cleugh, D. Stammer)

- Adjustments to finances and governance [15 mins] (D. Stammer, H. Cleugh, M. Sparrow)
- Communication across WCRP [10 mins] (N. Van de Wel/H. Cleugh)
- Implementation plan writing [15 mins] (D. Stammer, H. Cleugh)
- Wrap-up and close of the open session of JSC-42 (D. Stammer, H. Cleugh)

Debrief for JSC Chair, Vice-Chair, Officers and Head WCRP Secretariat (30+ mins)

Day 6 (8th July): 9pm to midnight CEST JSC-only meeting

Note: Day 6 is for **JSC Members and the WCRP Secretariat only**

09:00 - 09:30 Internal JSC only (no WCRP Secretariat)

09:30 - Midnight WCRP-JSC Business

(Chairs D. Stammer and H. Cleugh; Rapporteur A. Caltabiano; Chat Moderator N. Van der Wel)

Note that additional documents will be provided to the JSC only via a DropBox link

- Review of Actions from JSC41 and JSC 41B [15 mins] (M. Sparrow)
- WCRP Secretariat session: budget, staff planning etc. [15 mins] (M. Sparrow)
- *Future strategies for WCRP resource investments [15 mins] (D. Stammer, H. Cleugh)*
- JSC future membership [10 mins] (D. Stammer, H. Cleugh, M. Sparrow)
- Core-activity memberships [30 mins] (D. Stammer, H. Cleugh, M. Sparrow)
- Updates on international project offices and plans for other support units (as needed) [15 mins] (D. Stammer, H. Cleugh, M. Sparrow)
- *Missing science and further developments [15 mins] (D. Stammer, H. Cleugh)*

(10 min break)

- *Enhancing collaborations and communications (e.g. interactions with e.g. Belmont, Future Earth etc.) [15 mins] (D. Stammer, H. Cleugh)*
- AOB (*all*)
- Closing (D. Stammer, H. Cleugh)

The JSC are asked to comment and approve as applicable.

Acronyms

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| CLiC | Climate and Cryosphere (WCRP Core Project) |
| CLIVAR | Climate and Ocean Variability, Predictability and Change (WCRP) |
| CMIP | Coupled Model Intercomparison Project (WCRP) |
| CORDEX | Coordinated Regional Climate Downscaling Experiment (WCRP) |
| GC | Grand Challenge |
| GC Carbon | Grand Challenge on Carbon Feedbacks in the Climate System (WCRP) |
| GC Clouds | Grand Challenge on Clouds, Circulation and Climate Sensitivity (WCRP) |
| GC Extremes | Grand Challenge on Weather and Climate Extremes (WCRP) |
| GC Melting Ice | Grand Challenge on Melting Ice and Global Consequences (WCRP) |
| GC NTCP | Grand Challenge on Near-Term Climate Prediction (WCRP) |
| GC Sea Level | Grand Challenge on Regional Sea-level Change and Coastal Impacts (WCRP) |



International
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| GC Water | Grand Challenge on Water for the Food Baskets of the World (WCRP) |
| GEWEX | Global Energy and Water Exchanges (WCRP) |
| JSC | Joint Scientific Committee |
| S2S | Subseasonal-to-seasonal (S2S) Prediction Project (WCRP) |
| SPARC | Stratosphere-troposphere Processes And their Role in Climate (WCRP) |
| WCRP | World Climate Research Programme |
| WDAC | WCRP Data Advisory Council |
| WGCM | Working Group on Coupled Modelling (WCRP) |
| WGNE | Working Group on Numerical Experimentation (WCRP) |
| WGRC | Working Group on Regional Climate |
| WMAC | WCRP Modelling Advisory Council |