

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

***DRAFT: 1 July 2021***

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

## Background

- This 42<sup>nd</sup> 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.
- The sessions will be via the WMO Zoom system (details in this document) so we can also have breakout sessions.
- 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](mailto: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](mailto:catherine.michaut@ipsl.fr)).
- Attendance at this virtual JSC-42 is by invitation only. Should you wish to attend please contact Mike Sparrow ([msparrow@wmo.int](mailto:msparrow@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 (28<sup>th</sup> June): 15:00-18:20, Geneva/Paris time

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

### **15:35 – 16:20 Session 2: WCRP Implementation: the Way Forward (35 min.)**

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

- From here on forward [15 mins] (D. Stammer, H. Cleugh)
- Initial lessons from Climate Research Forums (H. Cleugh) [10 mins]
- Attention required during JSC-42 (D. Stammer) [10 mins]

*10 minute break*

### **16:20-18:20 Session 3: Discussion and Plans for the Lighthouse Activities and new Core Projects (120 mins)**

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

- WCRP Academy [30 mins] (A. Charlton-Perez)
- Safe Landing Climates [30 mins] (G. Hegerl)
- Explaining and Predicting Earth System Change [30 mins] (R. Sutton/ K. Findell)
- My Climate Risk [30 mins] (R. Rodrigues)

### **End of Day 1**

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

## Day 2 (29<sup>th</sup> 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)**

*(Chair: P. Braconnot; Rapporteur: N. Van der Wel; Chat Moderator A. Caltabiano)*

- Digital Earths [30 mins] (C. Jakob)
- 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)**

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

- CliC & GC Melting Ice [45 mins] (T. Naish)
- SPARC [30 mins] (S.-W. Son/ N. Harris)

#### **End of Day 2**

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

#### **Day 3 (30<sup>th</sup> June): midday-14:40, Geneva/Paris time**

#### **Midday – 14:40 Session 4: Discussion and Plans for the current Core Projects, Grand Challenges (continued) (160 mins)**

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

- CLIVAR [30 mins] (S. Legg)
- GEWEX [30 mins] (J. Polcher)
- GC Extremes [15 mins] (G. Hegerl)
- GC Clouds [15 mins] (B. Stevens)
- GC NTCP [15 mins] (A. Scaife)

10 min break

- GC Water [15 mins] (J. Polcher)
- GC Carbon [15 mins] (P. Friedlingstein)
- GC Sea Level [15 mins] (R. Nicholls)

#### **End of Day 3**

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

#### **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) [120 mins including break]:
  - a. Coordination and Communication (Chairs: H. Cleugh and J Hurrell; Rapporteur N. Van der Wel)
  - b. Science Gaps (Chair D. Stammer; Rapporteur M. Sparrow)

- c. Engagement: (with ECRs, with regions, with partners). Include Climate Research Forums, address inclusion and diversity needs. (Chair P. Braconnot; 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 [45 mins]

#### End of Day 4

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

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

#### **15:00- 16:30 Session 6: Science Partnerships, WCRP impact, and Resources (90 mins)**

(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 (120 mins)**

(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)

**18:30 - 19:30 After Session Social Hour (up to 60 mins)**  
**End of Day 5**

**Day 6 (8th July): 21:00 to midnight CEST JSC-only meeting**

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

**21:00 - 21:30 Internal JSC only (no WCRP Secretariat)**

**21:30 - 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**

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)
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)



International  
Science Council



WCRP  
WDAC  
WGCM  
WGNE  
WGRC  
WMAC

World Climate Research Programme  
WCRP Data Advisory Council  
Working Group on Coupled Modelling (WCRP)  
Working Group on Numerical Experimentation (WCRP)  
Working Group on Regional Climate  
WCRP Modelling Advisory Council