

Draft Annotated Agenda

Opening (Docs 1)

The WMO/IOC/ICSU Joint Scientific Committee (JSC) of the World Climate Research Programme (WCRP) will open its thirty-ninth session at 0900 LST on Monday 16 April 2018, at the conference room of the Nanjing University of Information Science and Technology (NUIST), Nanjing, China. The session will be opened by the representative(s) of Chinese host institutions) and the representatives of WCRP Co-Sponsors.

The JSC this year focuses on upcoming WCRP Strategy, aligned with the recommendations to be made through the WCRP Co-Sponsors review. [A full day of scientific workshop](#) is programmed on Thursday 19 April, in between the strategic discussions of the JSC.

The session is chaired by Professor Guy Brasseur, JSC chair, supported by the JSC Officers. They will open the discussion by presenting the vision and setting of the new WCRP Strategy 2019-2029, the links between the science-related recommendations from the Co-sponsors review and the overarching science questions in the draft strategy, as well as a concept and structural implications for WCRP implementation.

All information, documents and material are available on the meeting web page: <https://www.wcrp-climate.org/jsc39-about>. The working arrangements and other practical information are provided by the JPS, and the host (NUIST). The meeting is conducted in English.

The JSC Members will be invited to adopt the agenda based on the provisional agenda provided by the Joint Planning Staff (JPS), with revision if required.

JSC Discussion on WCRP Strategic Plan 2019-2029 (Docs 2)

A significant part of the meeting is devoted to the new WCRP Strategic Plan 2019-2029, and the Implementation Plan. In advance of the meeting, a draft of the plans have been developed under the guidance of JSC chair and officers, with input from all JSC members. *The JSC-39 session aims to review and approve the overall draft Strategic Plan (format and structure, scientific objectives, emphases and imperatives), with necessary revision as agreed at the meeting. Furthermore, the JSC is requested to provide guidance to further develop the Implementation Plan in support of the agreed Strategy.* The discussions are initially structured as follows:

Monday 16 April, morning: Setting the scene

- A brief summary of the Co-sponsors review (including the recommendations therein), by Dr Elena Manenkova (WMO Deputy Secretary General) on behalf of three WCRP Co-sponsors

- Presentation: Overview of a draft WCRP Strategic Plan 2019 – 2029, by Professor Amanda Lynch (JSC Vice-chair)

Monday 16 April, morning: Plenary Discussion - How well are the science-related recommendations embedded in the co-sponsors review reflected in the draft Strategic Plan?

- JSC view on Co-sponsors review and how this fits with the overall WCRP plans
- The links between the science-related recommendations from the co-sponsors review and the overarching scientific objectives / emphases / imperatives in the draft strategy

Monday 16 April, afternoon: Breakout Discussion focusing on overarching scientific themes, emphases, imperatives and partnerships

- Each breakout discussion to be led by respective theme leaders (among JSC Officers), together with a rapporteur for each group (to be designated within the session participants)
- To report back to Plenary for agreement before the end of Day 1 (Monday 16 April), if any, on proposed amendments to the text of the draft Strategic Plan.

The JSC will receive reports of Core Projects, Grand Challenges, Advisory Councils, Working Groups and main activities through Days 1, 2 and 3 (Monday, Tuesday and Wednesday – see below), and take into account their respective activity plans to fit into the new Strategic Plan. These inputs are crucial also to develop an implementation plan in support of the new WCRP Strategy. For the following blocs of the reports, JSC leads together with rapporteurs (to be designated among the session participants for respective blocs) may organize working sessions to produce a brief summary (e.g. 1 pager ppt) on relevant points for the new WCRP Strategic Plan:

- Monday evening (after the WG reports, to report to the plenary Tuesday morning)
- Tuesday lunch time (after the Core Projects and CORDEX reports, to report to the plenary Tuesday afternoon)
- Tuesday evening (after the Grand Challenge reports, and after the Partners' reports, to report to the plenary Wednesday morning)
- Wednesday morning break (after the Advisory Councils' reports, to report to the plenary Wednesday morning)
- Wednesday lunch time (to prepare report for final approval, to report to the plenary Wednesday afternoon)

The JSC will resume discussion on the Strategic Plan and associated Implementation Steps on Day 3 (Wednesday 18 April):

Wednesday 18 April, afternoon: Summary of Strategic Plan Aspects

- Taking into account the summary reports from the breakout discussions and reports, the JSC Members are invited to review and approve the draft Plan with necessary revision.

Wednesday 18 April, afternoon: Implementation Aspects

- Presentation: Implementation concepts and steps
- Initial discussion on Implementation Steps and draft Implementation Plan (plenary)

Friday 20 April, morning: Discussion on Implementation Aspects

- Upon agreement, using breakout groups to focus on specific issues within the Implementation Plan and/or key steps within

- To report back to Plenary for agreement and summary, in the early afternoon of Friday 20th, on Implementation Aspects

All the JSC Members are requested to actively participate in and provide input to the Strategic Planning; prior to, during and after the session. All participants are invited to; 1) actively participate in the plenary and breakout discussions on Strategic Plan as well as on Implementation Aspects (where agreed, taking the roles of leads and rapporteurs), and; 2) review and approve the draft Plan and proposed implementation steps with necessary revision.

Reports of WCRP Core Projects, Grand Challenges, Advisory Councils and major activities (Docs 3 to 6)

During Days 1 to 3 (Monday 16 April to Wednesday 18 April), all participants will be presented on reports by the key WCRP groups and activities on their progress and plans, including:

[Core Projects and CORDEX]

- Climate and Cryosphere (CliC)
- Climate and Ocean – Variability, Predictability and Change (CLIVAR)
- Global Energy and Water cycle Exchanges (GEWEX)
- Stratosphere-Troposphere Process and their Role in Climate (SPARC)
- Coordinated Regional Climate Downscaling Experiment (CORDEX)

[Grand Challenges]

- Regional Sea Level Change and Coastal Impacts
- Understanding and Predicting Weather and Climate Extremes
- Clouds, Circulation and Climate Sensitivity
- Melting Ice and Global Consequences
- Water for the Food Baskets of the World
- Near Term Climate Prediction
- Carbon feedbacks in the Climate System

[Advisory Councils, Working Groups and CORDEX]

- Data Advisory Council
- Modelling Advisory Council
- Working Group on Coupled Modelling (WGCM)
- Working Group on Seasonal to Interannual Prediction (WGSIP)
- Working Group on Numerical Experimentation (WGNE)
- Working Group on Regional Climate (WGRC)
- Subseasonal to Season (S2S) Prediction Project

The JSC Members are invited to review their major science achievements, overall timeline and milestones including activity plans for 2018/2019 activities, and emerging issues and challenges. Responding to the main objective of JSC-39 session, the JSC Members and all participants are invited to; 1) take note in particular on key aspects relating to the new WCRP Strategic Plan 2019-2029; 2) provide input to the discussion on strategic plan and implementation aspects (see above section), and; 3) advise the respective groups where appropriate.

JSC report on key activities (Doc 2(3) and Doc 8(3))

The JSC Members and all participants are invited to: 1) take note on past activities led by JSC; 2) make necessary decisions as requested, and; 3) reflect relevant information to the discussions on Strategic Plan and implementation steps; for respective items as follows:

- Review status of JSC-38 actions and advise on their continuity or re-direction.
- WCRP regional climate research coordination: following the decision made at JSC-38 (2017), JSC will receive a brief report with recommendation from a JSC sub-group to make a decision on establishing a core function to coordinate WCRP regional activities.
- WCRP contributions to the urban climate science agenda: in close partnership with various groups of Co-Sponsors and climate community, JSC members have been actively participated in the organization of the 2018 Cities and Climate Change Science Conference (CitiesIPCC), WMO initiative to develop a Guide for Integrated Urban Weather, Environment and Climate Services (IUWECS) and many other urban climate activities.
- Advocating fundamental climate science in the international agenda: WCRP has continued to work with partners in climate negotiation, assessment and applications to promote the critical importance of fundamental research through the entire value chain of climate information. JSC members and key WCRP leaders have actively led related discussion at the COP and various international/intergovernmental fora.
- Extended collaboration and cooperation with partners: a number of key WCRP activities have extended their effort to work with relevant partners to build links with other stakeholders, contributing to the society with; such as new Knowledge-Action Networks on Emergent Risk and Extreme Events and on Oceans.
- Major science conferences and initiatives: Recalling the reports by the key WCRP groups and activities, JSC will review outcomes and expected results of the planned major scientific events under the WCRP umbrella, for the 2018/2019 period.
- Scientific requirements for consideration on future JSC membership: Noting that, according to the WCRP Agreement (1993), the members of JSC will be selected by mutual agreement between WMO, IOC and ICSU and appointed jointly by the three organizations, the JSC would consider future requirement for the scientific expertise to be represented in the future JSC membership.
- Any other issues included by the JSC Members and that requires *decisions or endorsement by JSC*.

Report by WCRP Partners (Docs 7)

Extending from WCRP's firm foundation in the (physical) fundamental climate research, continuous efforts are being made not only to connect with the holistic Earth system science in all scales but also to complete the value chain of climate information to applications. Upon availability and request, some partners of WCRP in this joint effort will briefly report on the status and issues relevant to WCRP during the afternoon of Day 2 (Tuesday 17 April) and the morning of Day 3 (Wednesday 18 April).

Specific request is made to the partners to report on relevant aspects to the new WCRP Strategic Plan. Participants are invited to take note of issues raised during partner presentations and discussion, and to provide advice where appropriate.

Business / Coordination and Planning (Docs 8)

The JSC Members and all participants will be presented with a brief report by the JPS on its status, past activities and plans in support of WCRP implementation. *The JSC Members are invited to take note of the report, and considering the relevant recommendations made through the Co-sponsors review, reflect the relevant information to the future strategic and implementation planning for 2018 and onward.*

[Budget and finance]

- Financial review for 2017 implementation/expenditure
- WCRP budget for 2018
- Status and plans for engaging/re-engaging current and potential contributors

[JPS capacity for coordinative support]

- Status of JPS human and in-kind resources
- Consideration on gaps, requirements, and possibilities for additional resources as well as efficient use of existing resources

[Key JPS activities in support of WCRP implementation]

- Partnership with relevant programmes and groups
- Need for (re-)engagement with national and regional WCRP committee/leaders
- Support for Early Career Scientists
- Capacity Development
- Communications and outreach

JSC Executive Meeting and Closing

The open part of the JSC is expected to close by 1530 LST on Friday 20 April 2018.

JSC Members are invited to the JSC-JPS meeting afterward, to re-evaluate and document the actions and decisions made during the session, and to confirm on the agreements and recommendations regarding the new WCRP Strategic Plan and implementation steps.

Upon the decision to be made by JSC Officers, all JSC Members are invited to participate in the JSC Executive Meeting, from 1700 LST or alternative time as decided during the week, to further discuss and decide on necessary actions regarding the key issues raised during the session.

It is expected that the thirty-eighth session of the WCRP JSC will close by 1300 CET on Friday 7 April 2017.
