

**WMO/ICSU/IOC
WORLD CLIMATE RESEARCH PROGRAMME**

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JOINT SCIENTIFIC COMMITTEE

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**Actions and Recommendations from
the JSC-30 meeting**

(Submitted by Dr Ghassem R. Asrar, Director, WCRP)

JSC-30 Actions and Recommendations

Accomplishments report

1. Transform the report by projects into a publication and make this publication available for WCC-3, OceanObs and COP-15. Develop a timeline for production. (JPS)

Status: completed.

2. Consider a lecture or a side event at SBSTA describing WCRP recent achievements, in particular TFRCD and WGCM. (JPS with Wainer, Flato and Semazzi, G. Asrar)

Status: WCRP and ESSP supported an informal side event at the SBSTA meetings in Bonn to highlight contributions of the Research Programmes to environmental assessments, past and future. WCRP also supported and participated in similar side event(s) at the upcoming COP-15 meetings in Copenhagen.

Capacity Building

3. Develop plans for regional training workshop on climate variability and change, in cooperation with ICTP, START, IRI and IAI (Boscolo, Giorgi, Vera, Goswami, Semazzi).

Status: completed. Drs. Carolina Vera and Fred Semazzi organized regional training workshops in South America and Africa, respectively. WCRP also supported and sponsored several other regional workshops with START and other partner programmes.

4. Develop a WCRP webpage on relevant capacity building and training activities. (R. Boscolo).

Status: This action is being addressed as a part of the general "restructuring" of the WCRP webpage.

National Visibility

5. Explore means to increase WCRP visibility at the national level, including meeting with WMO Permanent Representatives (JSC members).

Status: a quick update to be provided by the JSC members at JSC-31.

Prepare nationally-focussed material for in-country presentations (JPS). Status: completed. JPS developed a table of national interests and WCRP involvement and used some of this information in broadening the sponsorship for the Programme, and enhancing the contributions by the existing sponsoring countries.

Task Force on Regional Climate Downscaling

6. JSC welcomed the CORDEX initiative as an important input to the IPCC AR5 and strongly encouraged higher resolution runs where possible, and urged the TF to identify areas for further research based on the outcomes (TFRCD).

Status: TFRCD is aware of this recommendation and addressing it as a part of planning process.

7. TF should take into account ongoing activities such as the GEWEX regional model intercomparison and in CLIVAR VACS (TFRCD).

Status: CORDEX is linked in to the VACS/regional climate modelling intercomparison; Burkhardt Rockel was suggested as possible CEOP link to TFRCD.

GEWEX

8. Send to the JSC the GEWEX SSG review of the CEOP Implementation Plan and any CEOP actions in response (GEWEX IPO). V. Detemmerman

Status: completed. Peter van Oevelen provided this information to the JSC Chair for distribution among JSC members. Documents are available at <ftp.gewex.org>; host type: automatic detect; user ID: erlichd 1; Password: F178ou; upload/download from/to the public directory into the CEOP SIP progress directory.

9. GEWEX and CliC to review historical data records for high latitude snow fall and precipitation.

Status: the leadership of the both projects are aware of the recommendation and they will try to implement it, on a comprehensive basis, but requires time. The issue has been included in the CliC and WCRP Implementation Plans.

CliC

10. Invite a WGCM member to join the steering committee for the ice sheet modelling school in Oregon (CIPO).

Status: There was no steering committee as such for the School. In order to increase the awareness of WGCM in the area of ice-sheet modelling, Dr A. Abe-Ouchi of CliC SSG was invited to attend the WGCM Session 2009 in San Francisco. Lecturers at the Summer School in Portland were informed of the need to provide background information to participants on the current requirements in climate modelling.

11. Urge CliC, in collaboration with CLIVAR and WGCM, to establish a focussed group to review existing literature and promote the analysis needed to further the understanding and prediction of rapid loss of multi-year ice in the Arctic (Kattsov, lead).

Status: This action was considered in defining the scope of the forthcoming WCRP workshop on polar predictability. A draft white paper on the subject will be made available for the 31st JSC Session in Antalya.

12. CliC to engage more fully in the WCRP decadal and seasonal crosscuts.

Status: The WCRP workshop on polar predictability will partially address this action. Initialisation of CMIP5 and CHFP model runs with cryospheric data has not yet been addressed. It will be considered at the CliC SSG 6th Session in Valdivia, Chile, on 6-9 February 2010.

WMO Information System

13. Provide JSC members and Chairs and Directors with information concerning the WMO Information System (WIS) (JPS).

Status: completed. The following link has an overview and more detailed information:
<http://www.wmo.int/pages/prog/www/WIS/>

ACC

14. Projects and WGs to provide input for webpage on WCRP activities related to ACC. (Hervé, Ram, Flato and Paris office).

Status: completed. The web site has been established in Paris. Catherine Michaud received input from the Projects and WGs. This is an ongoing activity and reminders will be sent regularly.

15. Develop plans for a WCRP workshop in 2010 on interface between IPCC WG1 and WG2 (Hervé, Ram, Flato, Chairs WG1 and 2).

Status: completed. An agenda is developed and the venue and date for holding this workshop is established to be in June 2010, Lille, France.

WGCM

16. WGCM, with WGNE and GEWEX, to encourage model analyses activities based on CMIP5 data set that will lead to recommendations for model improvement.

Status: completed. A conference organizing team is established to develop a pan-WCRP science conference for 2011 with a major emphasis on analysis of the CMIP5 and Re-Analysis products. The agenda, venue and dates are in different stages of development.

Encourage CLIVAR, GEWEX, SPARC and CliC to organize and publish analyses of CMIP5 output and post plans and links to results on ACC website (Paris Office, IPOs and Projects). C. Michaud

Status: Messages was sent to the Projects directors asking for inputs, and some provided the needed input which have been posted on the web site in Paris.

WGSIP

17. Encourage WGSIP to identify a vice chair from one of the other WCRP Projects.

Status: completed. Adam Scaife is nominated to serve in this capacity as a member of the SPARC SSG.

Monsoons

18. GEWEX and CLIVAR to form a task force to develop plans to analyze CMIP5 results with respect to monsoons in a changing climate (Goswami (lead) with Wu and Semazzi, GEWEX and CLIVAR IPOs)

Status: Brief ad hoc meeting held at the AMY meeting on 30 November - 1 December 2009. TF membership and ToRs were circulated for input. The plan is for email discussion on the way forward prior to JSC with a view to a possible workshop in mid-2010.

MJO

19. WCRP, with WWRP, to support two workshops on MJO with active participation of WGNE.

Status: WCRP and WWRP notified the YOTC team of support for two workshops. Letter to invite MJO Task Team members sent 3 Dec 2009. The plan is to meet in conjunction with CLIVAR AAMP meeting in Korea in June 2010.

Sea Level

20. Develop a joint WCRP/ IOC Task Force on Sea Level Rise. Make recommendations for revised ToRs for the Task Force to encourage engagement of WCRP core Projects and activities, ensure the representativeness of the TF membership and suggest A. Cazenave as a member Steering Group (Steffen, Church).

Status: completed. The ToRs was developed, reviewed, submitted to IOC and have been approved by the IOC Assembly 25. Further preparations and coordination work underway to hold the first meeting of the Executive Committee in March 2010, in Bern, Switzerland.

Extremes

21. JSC was pleased with the initial focus of the extremes crosscut on drought and encouraged extension of the activities to other regions of the world (GEWEX and CLIVAR).

Status: Next step is to develop a white paper on drought predictability and prediction and organize an international workshop in 2010 or 2011. V. Detemmerman provided names of experts from other regions to the crosscut leadership. An ad hoc meeting of task team will take place at Fall AGU 15 Dec. Information is available at <http://www.clivar.org/organization/extremes/dig.php>.

Future evolution of WCRP Modelling

WCRP to use WCC-3 and other upcoming opportunities to promote the recommendation for a Climate Prediction Project made by the World Modelling Summit (D/WCRP).

Status: the main recommendations of the Modelling Summit report were included in the WMO Executive Council Research Task Team Report, and were presented to and discussed by the WCC-3 on 1 September 2009 at the session on International Research Programs.

22. Propose to IGBP SC the formation of a WCRP/IGBP task force to develop a white paper discussing a strategy for predictive Earth system modelling (Busalacchi).

Status: J. Meehl and Cathy Hibbard have taken the lead to develop the white paper. A joint meeting of WGCM in September 2009 in San Francisco was developed to the discussion of this topic. A. Busalacchi, C. Nobre, S. Seitzinger and G. Asrar have also discussed the option of holding a joint workshop focused on this topic.

23. D/WCRP to thank WMP members for their years of service and successful outcome of the Modelling Summit. (D/WCRP)

Status: completed. A letter was sent to the Chairs and Members of WMP.

Structure of WCRP post 2013

24. Vice-Chair JSC to draft a strawman proposal for the post 2013 structure reflecting the discussions at JSC-30; distribute by end of April to JSC for review and comment by 15 May and then distribute to Chairs and Directors for consultation with their respective SSGs and WGs (Griggs, D/WCRP).

Status: JSC Chair and Vice-Chair identified a series of position papers to be developed by JSC members for further review and discussion prior to and during the next JSC meeting in Antalya.

25. Organize a Chairs and Directors telecon in late June/early July 2009 to discuss the strawman proposal and project/WG inputs. Subsequently JPS to develop vision paper based on these inputs for wider review and comment (JPS).

Status: Two telecons conducted and the third one is being scheduled.

International Project Offices

26. Noting that the oceans' role in climate is a central theme of WCRP research and recognizing the major contribution of the International CLIVAR Project Office to the successful implementation of WCRP activities in this domain, the JSC urged national sponsors to continue support for the ICPO.

Status: done. NERC granted renewal of the CLIVAR Project Office Support through 2013, with the possibility of a two year extension beyond this date. Plans are underway to identify a host for SPARC ICPO beyond the possible end of sponsorship from Canada in December 2011.

27. The JSC underscored the invaluable contributions from all the Project Offices and agree that estimates of support to IPOs and in kind support to project activities would be included in future WCRP budget reports to the JSC (A. Chautard/JPS).

Status: completed.

Next JSC Meeting

28. Focus of next JSC meeting to identify WCRP role in climate services (Chair JSC).

Status: completed. Climate services are a major topic for the next JSC.

29. Explore possibility of co-locating with the Commission on Climatology meeting in Antalya, Turkey, in February 2010 (D/WCRP)

Status: completed. Next JSC includes a one-day symposium jointly with the WMO Commission for Climatology.