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| WORLD METEOROLOGICAL ORGANIZATIONCOMMISSION FOR BASIC SYSTEMSOPAG on DPFSMeeting of the Expert Team on Operational Prediction from Sub-seasonal to Longer-time ScalesBarcelona, Spain, 2-6 June 2018 |  | CBS-DPFS/IPET-OPSLS /Doc. 5.1(22.V.2018)\_\_\_\_\_\_\_Agenda item : 5.1ENGLISH ONLY |

**REPORT FROM SUB-TEAM 1 (ST1):
 WORKSHOPS ON OPERATIONAL CLIMATE PREDICTION**

*(Submitted by Caio Coelho)*

##### Summary and purpose of document

This document summarizes the support provided by IPET-OPSLS sub-team 1 (ST1) for the organization of the Second WMO Workshop on Operational Climate Prediction (OCP-2), Barcelona, 30 May to 1 June 2018.

##### Action Proposed

The meeting is invited to note the contents and provide a long-term vision for the OCP workshop series, including greater collaboration with WCRP and WWRP in planning and organizing these events.

**REPORT FROM SUB-TEAM 1 (ST1) ON THE ORGANIZATION OF OCP-2**

* As part of its responsibilities the sub-team 1 (ST1) has been involved in organizing the series of WMO workshops on operational climate prediction, to follow up on the recommendations of the WMO Workshop on Operational Long Range Forecasting held in 2013 at Brasilia, Brazil (<http://www.wmo.int/pages/prog/www/CBS-Reports/documents/FINAL-REPORT_GPC_RCCworkshop.pdf>). The first in this series of workshops was held in November 2015 in Pune, India (<http://www.wmo.int/pages/prog/wcp/wcasp/workshops-opc.php>). It was agreed to hold these workshops biannually, therefore OCP-2 was originally planned for the last quarter of 2017. But due to budgetary constraints, the workshop was postponed to 2018.
* For the organization of the Second WMO Workshop on Operational Climate Prediction (OCP-2), the ST1 worked via e-mail, teleconferences and face-to-face meetings, when opportunities arose (for example, when the chair and/or the co-chair of IPET-OPSLS attended other WMO meetings) to discuss and plan OCP-2 with facilitation of WMO secretariat colleagues involved in the workshop organization.
* The host organization (Barcelona Supercomputing Center, Spain) and dates (30 May to 1 June 2018) for OCP-2 were defined and confirmed by the end of 2017. The participation was agreed to be by invitation only.
* A preliminary version of the concept note for OCP-2 was produced in December 2017 and finalized in March 2018 along with a preliminary list of potential workshop participants.
* OCP-2 was structured with a number of invited talks, open discussions in plenary as well as in break out groups, on different operational aspects (including gaps and limitations), and links to climate prediction research developments at time scales ranging from sub-seasonal to seasonal and decadal.
* The agenda for OCP-2 was finalized in May 2018 with the following main topics: a) Current status of operational activities and research developments of climate prediction on sub-seasonal, seasonal and decadal time scales (including the current WMO infrastructure, technical aspects, current operational practices, activities of the WCRP/WWRP S2S project, WGSIP perspective and Research to Operations (R2O) linkages); b) Procedures for optimizing climate prediction information from various sources (GPCs) for specific regions of interest of NMHSs and RCC for use in RCOFs and NCOFs: calibration, combination, verification; c) Understanding sources of predictability at regional and global scale; d) capacity development; and e) delivery and communication, including interpretation of probabilistic predictions.
* OCP-2 was held from 30 May to 1 June 2018 at the Barcelona Supercomputing Center (BSC), Spain with the following outcomes: a) the outline for a position paper on the current status and challenges of operational climate prediction (from the sub-seasonal to the decadal time scale) built on the [WCRP Position Paper on Seasonal Prediction](https://www.wcrp-climate.org/documents/WCRP_SeasonalPrediction_PositionPaper_Feb2008.pdf), which was produced as outcome of the First WCRP Seasonal Prediction Workshop (Barcelona, Spain, 4-7 June 2007); b) an action plan with the timelines for the development of a Guidance on Operational Practices across time scales from sub-seasonal to decadal; c) recommendations for advancing operational climate prediction and delivery mechanisms; and d) input to the WWRP/WCRP Conferences on Sub-seasonal to Decadal Prediction (17-21 September 2018, Boulder, USA).
* It is recommended that sub-team 1 remain active for the organization of the next (third) OCP workshop envisaged to be held in 2020, and the IPET is invited to update its Terms of Reference and provide a long-term vision for the OCP workshop series.

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