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| WORLD METEOROLOGICAL ORGANIZATIONCOMMISSION FOR BASIC SYSTEMSOPAG on DPFSEXPERT TEAM ON OPERATIONAL PREDICTIONS FROM SUB-SEASONAL TO LONGER-TIME SCALESBeijing, China, 11-15 April 2016 |  | CBS-DPFS/ET-ELRF /Doc.5.3(6.IV.2016)\_\_\_\_\_\_\_Agenda item : 5.3ENGLISH ONLY |

**GLOBAL SEASONAL CLIMATE UPDATE (GSCU): MONITORING, FORECASTS AND VERIFICATION**

*(Submitted by WCAS)*

##### Summary and purpose of document

This document presents the overview of implementation of Global Seasonal Climate Update

##### Action Proposed

The meeting is invited to consider the current status of implementation of Global Seasonal Climate Update (GSCU), and recommend ways for active engagement of GPCs to facilitate its operational implementation.

**Reference(s):** - …….

* …….

**Global Seasonal Climate Update: status of implementation**

**Background**

The concept of Global Seasonal Climate Update (GSCU) was developed in close collaboration with ET-OPSLS, essentially to summarize the current status and the expected future behaviour of seasonal climate, in terms of major general circulation features and large-scale oceanic anomalies around the globe (e.g., ENSO, North Atlantic Oscillation, Indian Ocean Dipole, etc.) and discussing briefly its likely impacts on continental-scale temperature and precipitation patterns.

**Implementation**

A CCl Task Team on GSCU has been established with the objective to pursue the implementation and operationalizing the GSCU. The TT progressed with the trial phase of the GSCU and a number of updates have been produced in near real-time to evaluate the content as well as operational requirements. CBS/CCl ET-OPSLS and its GPC-representative members are actively supporting the improvement of the prototype. To improve the GSCU it is important to ensure the participation of not only GPCs but also other relevant entities, such as WMO RCCs.

To embark on the next stage in its development the trial version of GSCU prepared for June-July-August 2015 was disseminated for external peer review to concerned teams of the WMO CCl, representatives of RCCs and RCOFs, as well as to research community. The collected feedback and suggestions helped improving the Update and taking this important new product to the operational phase.

The latest trial version was issued in February 2016 for the target season March-April-May 2016. It consists of two documents, the Update and Supplementary material. Both documents are provided as separate Annexes to this document under the agenda item 5.3. ET-OPSLS is invited to review the latest version of the GSCU content and offer suggestions for further improvement, keeping in view the operational constraints.

WMO LC-LRFMME has taken the responsibility of producing the LRF products required for the GSCU in keeping with the operational schedule, mainly in terms of graphics. IRI is helping with the synthesis of these products and a text summary. NCEI is currently helping with the monitoring part, including graphics and summary. A key challenge is to identify a sustainable mechanism for producing broad-based expert assessments of the monitoring and LRF products, within the tight operational deadlines. The ET-OPSLS is invited to propose possible approaches that the TT-GSCU can pursue.

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