

WORLD METEOROLOGICAL ORGANIZATION

CBS/OPAG-IOS/IPET-OSDE1 / Doc. 1.2(2)
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COMMISSION FOR BASIC SYSTEMS
OPEN PROGRAMME AREA GROUP ON
INTEGRATED OBSERVING SYSTEMS

ITEM: 1.2

**INTER PROGRAMME EXPERT TEAM ON
OBSERVING SYSTEM DESIGN AND EVOLUTION
(IPET-OSDE)
*First Session***

Original: ENGLISH

GENEVA, SWITZERLAND, 31 MARCH – 3 APRIL 2014

PROVISIONAL ANNOTATED AGENDA

1. ORGANIZATION OF THE SESSION

1.1 Opening of the Meeting

The Meeting of the CBS OPAG-IOS Inter Programme Expert Team on Observing System Design and Evolution (IPET-OSDE) will open at 10.00 hours on Monday, 31 March 2014, at the WMO Headquarters in Geneva, Switzerland.

1.2 Adoption of the agenda

The Provisional Agenda, as contained in the CBS/OPAG-IOS/IPET-OSDE1/Doc. 1.2(1), will be submitted for adoption. The order of the items may be modified and additional items may be introduced if necessary.

1.3 Working arrangements

The work of the Meeting will be conducted as a committee of the whole. However, sub-groups may be established as required to consider specific problems. The session and documentation will be in English only. The pre-meeting documents are to be e-mailed to the WMO Secretariat for subsequent posting on the WMO Server at:

<http://www.wmo.int/pages/prog/www/BAS/CBS-meetings.html>

The Meeting will decide on other arrangements, such as its working hours.

2. REPORT OF THE CHAIRPERSON

The Chairperson will report on the activities carried out since the last meeting of the predecessor of the IPET-OSDE, i.e. the seventh Session of the Expert Team on the Evolution of Global Observing Systems (ET-EGOS-7, Geneva, Switzerland, 7-11 May 2012), and the Establishment of the IPET-OSDE by the fifteenth Session of the CBS (Jakarta, Indonesia, 10-15 September 2012). The Chair will particularly provide a brief

review of the IPET-OSDE tasks according to its Terms of Reference and workplan, and propose priorities for this meeting.

3. GUIDANCE FROM CHAIRPERSON OF THE OPAG-IOS

The Meeting will be briefed by the CBS OPAG-IOS Chairperson regarding guidance for the Inter Programme Expert Team in the light of recommendations and resolutions of CBS-XV and of relevant resolutions by EC-64 (25 June – 3 July 2012), EC-65 (15-23 May 2013), and preparation of IPET-OSDE report to the eighth Session of the CBS Implementation-Coordination Team on Integrated Observing System (ICT-IOS-8, Geneva, Switzerland, 7-10 April 2014) and CBS 2014 Extraordinary Session (late 2014). Special consideration will be given to the role and responsibilities of CBS and its expert teams vis-à-vis WMO Integrated Global Observing System.

4. WMO INTEGRATED GLOBAL OBSERVING SYSTEM (WIGOS)

4.1 WIGOS progress relevant to the activities of IPET-OSDE

The Meeting will be briefed on the status of WIGOS implementation, including the WIGOS Implementation Plan, and its Key Activity Areas (KAAs), in particular those where the IPET-OSDE is expected to play a role:

- KAA#3, design, planning and optimized evolution of WIGOS and its regional, sub-regional and national component observing systems
- KAA#7, the WIGOS Operational Information Resource (WIR), which includes the Observing Systems Capability Analysis and Review Tool (OSCAR)
- KAA#9, capacity development
- KAA#10, communications and outreach

It will also identify other potential activities contributing to WIGOS and review relevant guidance from the third Session of the Inter-Commission Coordination Group on the WMO Integrated Global Observing System (ICG-WIGOS), Geneva, Switzerland, 10-14 February 2014.

5. REVIEW OF ACTIONS FROM ET-EGOS-7

Actions from the previous session of the IPET-OSDE predecessor (ET-EGOS-7) will be reviewed. The progress made against each item will be reviewed and changes and updates to the action items will be made as required.

6. REVIEW OF OTHER ACTIVITIES RELATED TO IPET-OSDE AND OPAG- IOS

The Meeting will be informed by designated experts and the WMO Secretariat on the activities within WMO and other international programmes / projects relevant to the OPAG-IOS and the IPET-OSDE, including an update in the Global Cryosphere Watch (GCW) activities, the Global Framework for Climate Services (GFCS) activities that relevant to observing systems, on the Architecture for Climate Monitoring from Space, and on post African Monsoon Multidisciplinary Analyses (AMMA) activities.

7. ROLLING REVIEW OF REQUIREMENTS AND STATEMENTS OF GUIDANCE

7.1 Review database of User Requirements (OSCAR/Requirements)

The Meeting will review progress regarding the operations, maintenance and further development of the WMO Database of User Requirements, included as OSCAR/Requirements into the Observing Systems Capability Analysis and Review Tool (OSCAR). The Meeting will particularly review related actions and their status from the ET-EGOS-7. The Meeting will be also invited to consider proposed changes and recommend relevant actions.

7.2 Review database of Observing System Capabilities (OSCAR/Space & OSCAR/Surface)

The Meeting will review the status of the space-based observing systems capabilities database (OSCAR/Space), and the plans for developing the surface-based observing systems capabilities database (OSCAR/Surface).

The Meeting will be also invited to consider proposed changes and recommend relevant actions.

7.3 Statements of Guidance (SoGs)

Current status of all SoGs, as held by the WMO Secretariat, will be presented by the Secretariat. The Meeting will review available updates on individual SoGs to be provided by the nominated Point of Contacts within specific application areas. IPET-OSDE will also respond to the requirements of CBS-VX (2012) to ensure that all requirements, including in particular those of the GCW, and the GFCS are captured through the ongoing RRR process. The IPET-OSDE will assess whether there is a need to revise some SoGs, and discuss whether there is any new areas requiring SoGs.

8. OBSERVING SYSTEM STUDIES

The Meeting will review the current activities regarding observing system studies with emphasis on the design of future observing systems contributing to WIGOS. It will consider proposals for new studies to be promoted by the IPET-OSDE and will discuss preparations for the next WMO workshop on the impact of various observing systems on Numerical Weather Prediction (NWP). The Meeting will also discuss cost-benefit studies for observing systems.

9. IMPLEMENTATION PLAN FOR THE EVOLUTION OF GLOBAL OBSERVING SYSTEMS (EGOS-IP)

The Meeting will review Guidance from the last Executive Councils, the Sixteenth Congress and the Inter-Commission Group on WIGOS (ICG-WIGOS) on issues related to the EGOS-IP and its status as part of WIGOS implementation. The Meeting will review interactions with the National Focal Points (NFPs) concerning the EGOS-IP and will take their feedback into account, together with any additional information from IPET-OSDE members on regional activities, including on the future role of the regions. The Meeting will take note of a retrospective analysis of progress against

the old EGOS-IP (responding to the Vision for the GOS in 2015). Concerning the current EGOS-IP (responding to the Vision of the GOS for 2025 and WIGOS needs), the Meeting will review the progress on Actions contained in the Plan since ET-EGOS-7 and will make proposals for updating these Actions. It will also make proposals for facilitating progress on Actions and for supporting NFPs in their work on these Actions. The Meeting will develop proposals for future review of and reporting against EGOS-IP and will discuss the communication plan for the EGOS-IP.

10. OBSERVING SYSTEM NETWORK DESIGN (OSND) - PRINCIPLES AND GUIDANCE

According to its Terms of Reference, the IPET-OSDE is tasked to propose guidance regarding observing system network design principles. To initiate the work in this regard, an *ad hoc* Workshop on Observing System Design (OSDW1) was organized in Geneva, Switzerland, from 12 to 14 November 2014. The workshop developed material from which OSND principles could be extracted, and agreed on a roadmap for the development of principles and guidance for OSND. The Meeting will review the actions from the OSDW1 workshop, revise the draft OSND principles, draft a more complete plan for preparing OSND guidance, and task IPET-OSDE members to draft specific materials in close coordination with their respective Teams and groups. The IPET-OSDE recommendations will then be submitted to the eight session of CBS OPAG on Integrated Observing Systems' Implementation and Coordination Team (ICT-IOS) (tentatively scheduled in Geneva from 7 to 11 April 2014) in preparation for CBS Extraordinary Session in late 2014.

11. PREPARATION FOR FORTHCOMING CBS ACTIVITIES AND MEETINGS

The Meeting will discuss possible input to be provided by the IPET-OSDE from its perspective to the future WMO Operating Plan for the period 2016 to 2019. The meeting will discuss on possible mechanism for keeping track of additions to the Vision for the GOS in 2025. The Meeting will also discuss the initiation of a new Vision for global observing system(s) to eventually succeed to the Vision of the GOS in 2025.

The Meeting will agree on a draft report and an action plan that will be reviewed and presented to the eighth session of ICT-IOS to be held the week after IPET-OSDE1. It will also discuss the preparation of documents to CBS Ext.(2014).

12. ANY OTHER BUSINESS

Any items of business requiring attention of the Inter Programme Expert Team, but not covered above, will be considered.

13. ACTION PLAN

The Meeting will agree on its action plan until the next IPET-OSDE Session.

14. CLOSURE OF THE SESSION

The session is tentatively scheduled to close at 17h00 on Thursday, 3 April 2014.
