

WORLD METEOROLOGICAL ORGANIZATION

COMMISSION FOR BASIC SYSTEMS
OPEN PROGRAMME AREA GROUP
ON INTEGRATED OBSERVING SYSTEMS

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EXPERT TEAM ON SURFACE-BASED
OBSERVATIONS (ET-SBO)

Agenda item : 3.1

FIRST SESSION

Geneva, Switzerland, 9-12 July, 2013

ENGLISH ONLY

**WIGOS FRAMEWORK IMPLEMENTATION PLAN
AND IMPACTS ON THE WORK PLAN OF ET-SBO**

**WIGOS Framework Implementation Plan (WIP)
and its relevance to the work of ET-SBO**

(Submitted by the Secretariat)

Summary and purpose of document

The document provides information relating to the WIGOS Framework Implementation Plan (WIP) with identification of the Key Activity Areas where deliverables by ET-SBO are required supporting also the ICG-WIGOS Task Teams in the delivery of their tasks.

Action Proposed

The Session will be invited to take the information into account for the consideration the Work Plan of the Expert Team.

Reference:

- 1) [WIGOS Framework Implementation Plan \(WIP\)](#)
- 2) CBS/OPAG-IOS/ET-SBO-1/Doc. 3.2

WIGOS Framework Implementation Plan (WIP)

1. The Council (May 2013) adopted the updated version of **the WIGOS Framework Implementation Plan (WIP)** with improved estimation of resource requirements, adjusted target dates for tasks' completion and identification of risks as requested by EC-64. Effective implementation and operation of WIGOS will depend on sufficient resources and commitments. Available resources will be targeted at ensuring the priority elements of the global WIGOS framework are implemented by Cg-17.

2. The WIGOS framework Implementation Plan (WIP) addresses the necessary activities to establish an operational WIGOS by the end of the period 2012-2015, as per the direction of WMO Congress. To migrate the existing observing systems (GOS, GAW, WMO Hydrological Observing System, incl. WHYCOS, and GCW, including surface-based and space-based components and all WMO contributions to GFCS, GCOS, GOOS, GTOS and GEOSS) into a more integrated single system that is WIGOS, focused effort is required in the following Key Activity Areas (KAAs) identified and described in the WIP¹:

- 1) Management of WIGOS implementation;
- 2) Collaboration with WMO and co-sponsored observing systems;
- 3) Design, planning and optimized evolution;
- 4) Integrated Observing System operation and maintenance;
- 5) Integrated Quality Management;
- 6) Standardization, system interoperability and data compatibility;
- 7) The WIGOS Operational Information Resource;
- 8) Data and metadata management, delivery and archival;
- 9) Capacity development;
- 10) Communication and outreach.

3. The WIP also addresses a number of additional activities that would substantially improve the operational capabilities of WIGOS beyond the 2012-2015.

4. The comprehensive information collected for the globe on both requirements and capabilities is quantitatively recorded in a database accessible through the Observing Systems Capability Analysis and Review tool (OSCAR) of the WIGOS Operational Information Resource (WIR)².

¹ KAAs relevant to ET-SBO are highlighted; for more details, reference is made to WIP, ver. 2.0.

² For more information, reference is made to: www.wmo.int/pages/prog/www/wigos/tools.html