

WORLD METEOROLOGICAL ORGANIZATION

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

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

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

ICG-WIGOS and its Task Teams

(Submitted by the Secretariat)

Summary and purpose of document

The document presents brief information on the role of and work done by ICG-WIGOS established by the Executive Council, including its task teams, for the implementation of the WIGOS Framework.

ICG-WIGOS and Task Teams

1. Following the decision of Cg-XVI, EC-63 established the [Inter-Commission Coordination Group on WIGOS \(ICG-WIGOS\)](#). In accordance with Resolution 4 (EC-LXIII) and based on the discussion at PTC-2012, the following [ICG-WIGOS Task Teams \(TT\)](#) have been established: TT on the WIGOS Implementation Plan (TT-WIP), ***TT on WIGOS Regulatory Material (TT-WRM)*** and ***TT on WIGOS Metadata (TT-WMD)***.
 2. TT-WIP-1 (March 2012) finalized the WIGOS framework Implementation Plan (WIP) that was submitted to EC-64 for consideration. [TT-WRM-1](#) (November 2012) agreed on the Draft structure of the WIGOS sections in WMO Technical Regulations (WMO-No. 49), Vol. I., Part I. WIGOS, and the Action Plan for the developing the WIGOS regulatory material. [TT-WMD-1](#) (March 2013) focused on the standardization of WIGOS component observing system metadata. TT-WRM-2 (17-20 June 2013) made some progress in further drafting the relevant parts of the WMO Technical Regulations (WMO-No. 49), Vol. I. and the Manual on WIGOS.
 3. Reference is made to the Final Report from TT-WRM-1 and TT-WMD-1 respectively for the Work Plans of these Task Teams; the revised Terms of References of TT-WRM and TT-WMD, based on consideration by the first sessions of the Teams are reproduced in Annex to this paragraph.
 4. The Second session of the Inter-Commission Coordination Group on the WMO Integrated Global Observing System ([ICG-WIGOS-2](#)) was held at the WMO Secretariat in Geneva, Switzerland, from 18 to 22 March 2013.
 5. ICG-WIGOS reviewed the status of the WIGOS Key Activity Areas and agreed on the updated version of the WIGOS Framework Implementation Plan (WIP) that was submitted to EC-65. Further, it reviewed deliberations of its Task Teams, Regional Associations and Technical Commissions relevant to the WIGOS framework Implementation Plan (WIP) and agreed on: (1) The structure of the WIGOS sections to be included in the WMO Technical Regulations and the draft structure of the Manual on WIGOS; (2) The guidance for WIGOS metadata development; (3) The self assessment checklist to assist Members in a national self-assessment of their readiness for WIGOS implementation; (4) The draft of the WIGOS Capacity Development Strategy; (5) The draft of the WIGOS Communications and Outreach Strategy; (6) The way forward for the Regional Associations in developing and executing their Regional Implementation Plans (R-WIPs).
 6. ICG-WIGOS recognised the high risk identified in WIP for the WIGOS Quality Management activity area (examination of current quality management practices being used by WMO observing programmes, and development of WIGOS Quality Management guidance, mechanism, practices and procedures), ICG-WIGOS agreed on the urgent need to establish a new ***Task Team on WIGOS Quality Management (TT-WQM)***.
 7. Taking into account progress achieved in specification of Terms of References for IPET-WIFI and its subgroups, the Co-chairs of IPET-WIFI were requested to draft Terms of Reference of the TT-WQM and submit their proposal to Chair, ICG-WIGOS for consideration and approval.
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REVIEWED THE TT-WRM TERMS OF REFERENCE

- a) To develop a high-level **WIGOS Framework Architecture**;
- b) To review the relevant parts of **WMO Technical Regulations (WMO-No. 49)** and other relevant regulatory material and make a proposal for WIGOS related regulatory material;
- c) To develop the WIGOS regulatory material;
- d) To propose mechanism for the update and maintenance of the WIGOS regulatory material;
- e) To submit the draft WIGOS regulatory material to the ICG-WIGOS for its coordination with and reporting to EC and for its eventual recommendation for approval by Cg-XVII;
- f) To coordinate regularly with ICG-WIGOS as needed and report at least annually to ICG-WIGOS on progress;
- g) To complete its tasks by July 2015.

REVIEWED THE TT-WMD TERMS OF REFERENCE

1. To identify the information that is needed to allow the majority of users to use WIGOS observations in appropriate contexts and in a defensible way;
 2. To create the WIGOS Core Metadata Standard that allows the essential information to be exchanged unambiguously, regardless of the format used for the transfer;
 3. To define a mechanism for maintaining the WIGOS Core Metadata Standard, including how metadata might be provided that is additional to the Core and coordinate with the ICG-WIGOS Task Team on Regulatory Material (TT-WRM) on any appropriate documentation as needed for WIGOS related Manual(s) and Guide(s);
 4. To implement within the WIGOS Core Metadata Standard, and the WMO Core Metadata Profile, a standard method of providing users with an indication of the quality of the data, and to do so in a way that distinguishes with the quality management of the data ("quality of the observation") and ensuring that the user is able to identify which applications the data are suitable for ("classification" of the observation");
 5. To coordinate regularly with the ICG-WIGOS as needed and report at least annually to the ICG-WIGOS on the progress;
 6. To complete its tasks and hand over additional requirements to its successor (if required) in time for approval by Cg-17.
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