

WORLD METEOROLOGICAL ORGANIZATION

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EXECUTIVE COUNCIL WG ON WIGOS-WIS  
SUB-GROUP ON THE WMO INTEGRATED OBSERVING  
SYSTEMS (SG-WIGOS)

(3.XI.2008)

*First Session*

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**FUTURE WORK PROGRAMME  
OF THE SUBGROUP ON WIGOS FOR THE PERIOD 2008 - 2011**

*(Submitted by the WMO Secretariat)*

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**Summary and Purpose of Document**

This document contains draft Future Work Programme of the Subgroup on WIGOS based on the Terms of Reference approved by EC-LX.

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***ACTION PROPOSED***

Based on the discussion and outcomes of the session, the meeting is invited to finalize the Future Work Programme of the Subgroup on WIGOS.

- References:**
1. Abridged final report of the EC-LX (WMO-No. 1032)
  2. Final report of the first session of the EC WG WIGOS-WIS

**Annex:** Draft Future Work Programme of the Subgroup on WIGOS

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## **FUTURE WORK PROGRAMME OF THE SUBGROUP ON WIGOS FOR THE PERIOD 2008 - 2011**

### **Background**

1. The EC Working Group on the WMO Integrated Global Observing System and the WMO Information System (EC WG WIGOS-WIS) at its first session (Geneva, Switzerland, 4-7 December 2007) discussed management and coordination issues related to the implementation of WIGOS. Taking into account the experience gained during WIS development, and to provide overall technical guidance, assistance and support for the implementation of the WIGOS concept, the Working Group agreed to establish a Subgroup on the WMO Integrated Observing System (SG-WIGOS) with Terms of Reference (TOR), approved by EC-LX, as follows:

- a) To provide overall technical guidance, assistance and support for the implementation of the WIGOS concept based on strategic directive of the Fifteenth WMO Congress;
- b) To elaborate in detail the three levels of integration of WIGOS including standard practices to be applied at the different levels of WIGOS integration; integration levels being as follows and further described in the WIGOS Concept of Operations:
  - Standardization of instruments and methods observations (instruments and methods of observation level);
  - Common information infrastructure, (WIS data level);
  - End-product quality assurance (QM/QA/QC product level).
- c) To work with each WIGOS component, propose new components and coordinate agreed inter- actions with other partners (e.g. co-sponsored systems, international initiatives' systems, etc.);
- d) To refine the concept of WIGOS operations, including its basic definitions;
- e) To address major issues identified by the EC Working Group on WIGOS and WIS;
- f) To develop a mechanism for the inclusion of the regional aspects of WIGOS through involvement of the Presidents of Regional Associations;
- g) To coordinate the WIGOS planning phases (including the Pilot Projects) according to the over-arching WIGOS Development and Implementation Plan;
- h) To coordinate WIGOS implementation with the planning and implementation of the WMO Information System (WIS);
- i) To advise the EC Working Group on WIGOS and WIS on aspects related to management, governance and interoperability;
- j) To report to the EC Working Group on WIGOS and WIS.

2. In establishing the SG-WIGOS, the Working Group carefully considered an appropriate balance of expertise and appropriate participation from Technical Commissions and Regional Associations.

3. Based on the TOR, the draft Future Work Programme has been elaborated by the Chairman of the subgroup in collaboration with the Secretariat. The draft is reproduced in the Annex I.

4. When considering the draft during the session, the outcomes from the meeting as well as the WIGOS Development and Implementation Plan (WDIP), mainly its Implementation Phases until Cg-XVI in 2011 should be taken into account and the activities of the Subgroup as well as deliverables should be in line with them. The relevant Implementation Phases II.-IV. are as follows (the extract from WDIP adopted by EC-LX:

**Implementation Phase II. EC-LX (June 2008) - EC-LXI (June 2009)**

- 1) Review and update as appropriate the WIGOS Concept of Operations;
- 2) EC-LX reviews draft WDIP v.1.1 and provides guidance to issue the WDIP v1.2;
- 3) The Pilot Projects begun in Phase I implemented and evaluated; adjustments to the WDIP may arise from the evaluations;
- 4) Initiate planning for the Pilot Project concerning the integration of marine meteorological and oceanographic observations with WIGOS-WIS (see paragraph below);
- 5) Additional Pilot Projects may be identified;
- 6) Schedule possible concurrent sessions of CAS and CBS with joint agenda items regarding WIGOS-WIS and the integration of GAW and GOS into WIGOS (see paragraph below);
- 7) Initiate work on the proposed revisions to the WMO Technical Regulations;
- 8) Revise the WDIP v.1.1 as appropriate with guidance from EC-WG/WIGOS-WIS – issue WDIP v. 1.2 and submit to EC –LXI for review and guidance;
- 9) The agendas of Technical Commissions and Regional Associations should include an item relating to the Integration of WMO Observing Systems and should seek their “consensus inputs” to the WDIP to which the EC WG WIGOS-WIS would provide input.

**Implementation Phase III. EC-LXI (June 2009) - EC-LXII (June 2010)**

- 1) Review and update as appropriate WIGOS Concept of Operations;
- 2) EC-LXI provides guidance for this year (note this is the last period for active planning before specific proposals are prepared to submit to Cg-XVI);
- 3) Pilot Projects begun in Phase I and II should be completed and evaluated. Results to be appropriately incorporated into the WDIP V.2.0;
- 4) EC-WG/WIGOS-WIS meets to review in detail the WDIP that is nearing completion at this stage;
- 5) The agendas of Technical Commissions and Regional Associations should include an item relating to the WIGOS-WIS and should seek their “consensus inputs” to the WDIP;
- 6) Matters relating to the revision of the Technical Regulations, the TORs of Technical Commissions, and proposals regarding WMO Programme structure and content and Secretariat structure will be addressed in this Phase;
- 7) The final preparations for the presentation of the overall WMO structure and function that reflects the WIGOS-WIS should be prepared for EC–LXII. The action of EC at this time will consist of the details that will be presented to Cg-XVI to which the EC WG WIGOS-WIS would provide input.

**Implementation Phase IV. EC-LXII (June 2010) - Cg-XVI (May 2011)**

- 1) Review and update as appropriate WIGOS Concept of Operations;
  - 2) WDIP (final version) is completed;
  - 3) EC-LXII to agree on the content of the submission to Congress regarding the implementation of WIGOS-WIS. This will include the proposed changes to the Technical Regulations, the revised roles and TORs of the various Technical Commissions, the adjustments to the WMO Programme structure, and the impact on Secretariat budgets and personnel. Proposed actions of Cg-XVI to implement the programme;
  - 4) EC-WG/WIGOS-WIS submits its final report and recommendations to Cg-XVI.
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**SG-WIGOS Work Plan 2008-2011**

<b>Task</b>	<b>Action</b>	<b>Responsible</b>	<b>Deadline</b>	<b>Deliverable (KPI)</b>
1.	To provide overall technical guidance, assistance and support for the implementation of the WIGOS concept	All Members (responsible for related TC/observing system)	Continuous	Technical guidance for implementation of the WIGOS concept
2.	To elaborate in detail the three levels of integration of WIGOS including standard practices to be applied at the different levels of WIGOS integration	Minimum of two designated Members per integration level.	Cg-XVI	Proposal for the update of CONOPS, WDIP
3.	To work with each WIGOS component, propose new components and coordinate agreed inter-actions with other partners (e.g. co-sponsored systems, international initiatives' systems, etc.)	All Members (responsible for related TC/observing system)	Cg-XVI	Proposal for the update of CONOPS, WDIP
4.	To refine the concept of WIGOS operations, including its basic definitions	Chairperson + Pilot Project Representatives + Observing system Representatives	Annually	Proposal for the update of CONOPS
5.	To address major issues identified by the EC Working Group on WIGOS and WIS	Work plan tailored to requirements by Chairperson.	Continuous	Proposals for the update of CONOPS, WDIP
6.	To develop a mechanism for the inclusion of the regional aspects of WIGOS through involvement of the Presidents of Regional Associations	Chairperson + Regional representatives on EC Working Group on WIGOS and WIS.	Cg-XVI	Draft procedures for inclusion of regional Aspect of WIGOS
7.	To coordinate the WIGOS planning phases (including the Pilot Projects) according to the over-arching WIGOS Development and Implementation Plan	Chairperson + Pilot Project Representatives + Observing system Representatives	Continuous	Proposal for the update of WDIP
8.	To coordinate WIGOS implementation with the planning and implementation of the WMO Information System (WIS)	Chairperson Chairperson of ICG-WIS	Continuous	Proposal for the update of CONOPS, WDIP
9.	To advise the EC Working Group on WIGOS and WIS on aspects related to management, governance and interoperability	Chairperson	Annually	Guidance on management, governance, interoperability
10.	To report to the EC Working Group on WIGOS and WIS	Chairperson	Annually	Chair's Progress Report