



Summary of 1st meeting of ad-hoc CBS CAS experts group on joint GOS-GAW pilot project to accelerate implementation of WIGOS/WIS

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Possible Pilot Projects

- Improvement of dissemination of ozone (total column, profiles and surface) and aerosols on the GTS/WIS
 - Exand number of stations submitting data to operational users in NRT
 - Ingestion into atmospheric models using data assimilation
 - Support improved forecasts of weather, surface UV and AQ
 - Verification of models
- Vision for a satellite constellation for atmospheric composition
 - This project was deferred to the WMO Space Program with the notion that this was one of their core responsibilities and need not be a joint GOS-GAW pilot
- Map the current situation of GAW data providers and review the existing services and tools
 - The development of a pilot project was deferred to the ET-WDC with a somewhat different focus on ,improvement of data flow and establishing interoperability of the existing GAW WDCs with WIS'.

Executive Council WG on WIGOS/WIS Geneva, 4 to 7 December 2007

Joint GOS-GAW Pilot Project to accelerate implementation of WIGOS/WIS Geneva, 25-27 March 2008

Dr M. Ondráš, WMO, Chief, Observing Systems Division



Cg-XV on WIGOS

- "Towards Enhanced Integration between the WMO Observing Systems":
 - Strategic objective of WMO and a one of the 11 major expected results for the fifteenth financial period (2008–2011) SP, SOP, RBB;
 - Major effort of the Organization;
 - Should proceed in parallel with the planning and implementation of the WIS (end-to-end system of systems);
- Requested EC:
 - Establish a mechanism to steer and monitor the activity and to achieve the broadest possible collaboration and cooperation;
 - Submit report to Cg-XVI (2011).



EC-LIX

Established EC WG on WIGOS/WIS:

- Develop WIGOS DIP;
- Refine WIS DIP and ensure coordination between WIGOS and WIS;
- Monitor dev. & impl. of WIGOS and WIS through a "RRR" mechanism;
- Monitor the development and implementation of WIGOS/WIS "Pilot (and Demonstration) Projects.



EC-WG on WIGOS/WIS (4-7 December 2007)

- Reviewed the guidance and recommendations adopted by CG-XV and EC-LIX;
 - Developed CONOPS (ver.1);
 - Developed WIGOS DIP (ver.1);
 - Established Sub Group on WIGOS
 - Future work programme.



Objectives of WIGOS

- Improve management and governance (use of resources, planning, institutional and programme structures, and monitoring);
- Increase interoperability between various systems with particular attention given to complementarity between the space-based and in-situ components;
- Address the needs of the atmospheric, hydrologic, oceanographic, cryospheric and terrestrial domains within the



Benefits of WIGOS

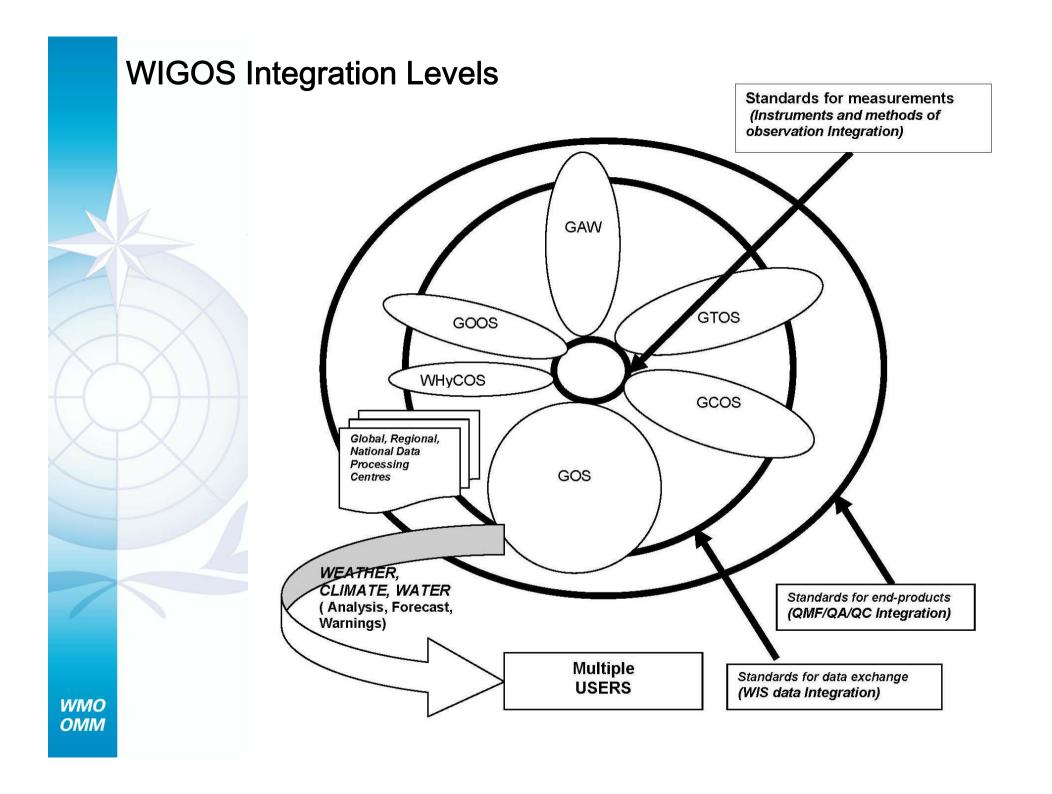
- Improved services;
- Increased quality and access to observations:
- More efficient use of resources;
- Better preparedness to incorporate new observing systems and to interface with non-WMO systems.



WIGOS Components

- Weather observing networks (e.g. WWW/GOS, AMDAR, ASAP etc);
- Atmospheric composition observing networks (e.g. GAW);
- Radiation observing networks (e.g. BSRN);
- Marine meteorological networks and arrays (e.g. VOS, drifting and moored buoy arrays etc.);
- Hydrological observing networks (e.g. observing components of WHYCOS etc.); and
- Climate components of various atmospheric, oceanographic and terrestrial observing systems contributing to GCOS;
- Other possible components yet to be defined.





Policy & Governance

To accomplish the stated goals regarding the development of a truly integrated WMO global observing systems, adjustments must be made in:

- the WMO Technical Regulations,
- the WMO Programme structure,
- the working structure and function of the Technical Commission,
- and of the WMO Secretariat.



Membership of SG-WIGOS

- CIMO President (chairperson);
- Chairman, ICG-WIS;
- A representative from each WIGOS Pilot Projects;
- A representative from each WMO observing system not represented in a Pilot Project;
- A representative from each co-sponsored observing system.

