



Metadata for WIS and WIGOS: GAW Profile of ISO19115 and Draft WIGOS Core Metadata Standard

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The World Meteorological Organization (WMO) Integrated Global Observing System (WIGOS) is a key WMO priority to underpin all WMO Programs and new initiatives such as the Global Framework for Climate Services (GFCS). The development of the WIGOS Operational Information Resource (WIR) is central to the WIGOS Framework Implementation Plan (WIGOS-IP). The WIR shall provide information on WIGOS and its observing components, as well as requirements of WMO application areas. An important aspect is the description of the observational capabilities by way of structured metadata.

The Global Atmosphere Watch is the WMO program addressing the chemical composition and selected physical properties of the atmosphere. Observational data are collected and archived by GAW World Data Centres (WDCs) and related data centres. The Task Team on GAW WDCs (ET-WDC) have developed a profile of the ISO19115 metadata standard that is compliant with the WMO Information System (WIS) specification for the WMO Core Metadata Profile v1.3. This profile is intended to harmonize certain aspects of the documentation of observations as well as the interoperability of the WDCs.

The Inter-Commission-Group on WIGOS (ICG-WIGOS) has established the Task Team on WIGOS Metadata (TT-WMD) with representation of all WMO Technical Commissions and the objective to define the WIGOS Core Metadata. The result of this effort is a draft semantic standard comprising of a set of metadata classes that are considered to be of critical importance for the interpretation of observations relevant to WIGOS.

The purpose of the presentation is to acquaint the audience with the standard and to solicit informal feed-back from experts in the various disciplines of meteorology and climatology. This feed-back will help ET-WDC and TT-WMD to refine the GAW metadata profile and the draft WIGOS metadata standard, thereby increasing their utility and acceptance.