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WOUDC Report

2012 ET-WDC meeting

Announcement

- Environment Canada has a commitment to continue to maintain and manage the World Ozone and Ultraviolet Radiation Data Centre (WOUDC).
- The WOUDC will remain within Environment Canada and will now be managed by the Meteorological Service of Canada (MSC)
- Scientists within the Science and Technology Branch (S&T), which formerly hosted the WOUDC, will be available in an advisory role to provide scientific oversight for the data centre and to also actively participate in the WMO Scientific Advisory Groups.

MSC Data Management Initiative

- **Data Management Vision:** MSC's data assets are effectively and efficiently managed as a strategic asset to inform decision making
- **DMI Mission:** To lead the development, implementation and enhancement of a data management framework and systems that provides clients with an authoritative source of MSC and related external data of known quality.
- **Goal:** MSC's data assets are effectively processed in real-time, are of known quality and effectively stored to facilitate easy discovery, access, use, expansion and exchange.

DMI and WMO activities

- Table-driven Code Forms (TDCF) – transition deadline is 2014
- WMO Information System Data Collection or Production Centre (WIS DCPC) – deadline is June, 2012
- WMO data products : World Weather Watch, Public Weather Services Programme, World Climate Programme, Hydrology and Water Resources Programme
- WMO Metadata products: Volume A, C1, Pub 47 ...
- World Ozone and Ultraviolet Radiation Data Centre: Global Atmospheric Watch

WOUDC Transition Plan

- Transition existing systems and business processes from EC-S&T to EC-MSDC
- Work with data providers, clients, Science Advisory Group (SAG) for Ozone and ET-WDC to review operation of WOUDC
- Implement next generation WOUDC including strengthening linkages to EC-MSDC data infrastructure – iterative approach

Preliminary list of issues

- WMO and GAWSIS IDs
- Level 0 (raw) data
- Manual data processing
- Web accessibly
- IT standards and support
- Data exchange, access and usability
- WIS Data Collection or Production Centres and WIS interoperability
- Citation
- Metadata, including data uncertainty
- Data and Metadata history
- Data Quality, Quality assessment