**World Meteorological Organization**

**Inter-Commission Coordination Group on WIGOS (ICG-WIGOS)**

**Terms of Reference for the ICG-WIGOS TT-WDQMS**

(Task Team on the WIGOS Data Quality Monitoring System)

February 2016

In accordance with the Plan for the WIGOS Pre-operational Phase (PWPP) approved by EC-68, the TT-WDQMS will be responsible for:

1. Develop the concept and provide technical support to the implementation of the WIGOS Data Quality Monitoring System (WDQMS), including the three basic components:
   * a monitoring function for data availability and data quality (QM),
   * an analysis and evaluation function (Ev),
   * an incident management function (IM).
2. Ensure that the WDQMS will be:
   * applicable to all WIGOS observing components,
   * fully interoperable with OSCAR (Observing Systems Capabilities Analysis and Review) – the monitoring tools to be integrated with OSCAR, to the possible extent.
3. Develop appropriate pilot and demonstration projects (depending on available funding) in order to test and consolidate the concept of the WDQMS.
4. Report to ICG-WIGOS on the development and implementation of the WDQMS.
5. Propose updates to the Manual on WIGOS needed for the implementation of the WDQMS.
6. Develop WDQMS related guidance material.