

Expert-Team on Data Requirements for Climate Services (ET-DRC)

Team meeting
December 9, 2020



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

Agenda

- Continuation of Task Team discussions – member confirmation, task team leads and timeline deliverables (Christina, Peer)
- Presentation on new WMO Climate Data Portal proposed structure (Christina)
- Resolution/recommendation proposal to merge existing I-DARE and C3S Portals to have a single global portal for DARE. Will be drafted by Omar, Peer and Rob (Allan) and will be channeled through ET DRC. (Peer)
- Next meeting dates and agenda items

Christina Lead: Task Teams

- d) Guidance and recommendations for full **WIS 2.0** utilization for climate data and products: Lipeng, William, Bruce
- e) Evaluation of Climate Datasets Stewardship for inclusion in the **WMO Climate Data Portal**: Ali, Lipeng, Markus Z., Reinaldo, Urip, Xiaolan, Peng, Markus D., Bruce
- f) Maintenance and update of the WMO **Manual** on High Quality Global Data Management Framework for Climate: William, Ali, Markus Z., Reinaldo, Rob, Xiaolan, Peng, Markus D., Bruce
- g) Update of the WMO recognition mechanism for the **long-term observing stations**: Jose, Reinaldo, Rob, Xiaolan, Maria
- h) Guidelines on definitions and requirements for **climatological reference stations**: Xiaolan, Jose, Rachid, Reinaldo, Maria

Task Team: Full WIS 2.0 utilization for climate data and products

- **Lead: Christina**
- **Members based on preferences: Bruce, Lipeng, William, Peng**
- **TT WIS 2.0**

| d | Task Breakdown | Members |
|-----|--|--------------------------|
| d.1 | Evaluate way to collaborate ET-DRC and the Expert Team on Information Management (ET-IM, INFCOM) to avoid duplication of work and for this purpose a close collaboration is required | Christina, Peng, team |
| d.2 | Need to make WMO Climate Data Portal assessed datasets searchable on the WIS | Christina, team |
| d.3 | Test pilot with NOAA GISC (NOAAGlobalTemp) dataset | Christina, Peng, team |
| d.4 | Discussion on best way to integrate WMO-No.1238 and WMO-No.1131 into the manual in the WIS technical regulation | William, Christina, team |

Task Team: WMO Climate Data Portal

- **Lead: Christina**
- **Members based on preferences: Ali, Bruce, Peng, Lipeng, Markus D., Markus Z., Reinaldo, Urip, Xiaolan**
- **TT Climate Data Portal***

*** The Catalogue is transitioning into a Portal that will hold a Catalogue of Assessed Datasets (Global and National), Climate Indicators, Climate Data Explorer, Documentation (Data Rescue Guidelines, HQ-GDMFC Manual, CDMS Guidelines, etc)**

| e | Task Breakdown | Members |
|-----|--|---------|
| e.1 | Identify global datasets that need to be updated and added (Cooperation with the ET-CMA). Streamline WMO State of the Climate report referenced datasets with datasets on portal | |
| e.2 | Draft new text for content for Climate Data Portal | |
| e.3 | Task Team needs to conceptualize new national assessed Datasets feature on the Catalogue page on the Portal and load assessed National datasets for France, Germany, Canada and Brazil | |

New proposed WMO Climate Data Portal Structure

Change name from WMO Climate Data Catalogue to WMO Climate Data Portal. The structure of the new portal will hold:

- **Catalogue of assessed datasets (Global and National)**
 - Initial dataset assessment to be updated by SMEs;
 - Addition of datasets to streamline with the WMO State of the Climate report referenced datasets (coordination with the ET-CMA);
 - Creation of National Data assessment page:
 - National dataset assessment posted voluntarily by country data centers.
 - National dataset are self-assessment by countries and are not evaluated by WMO
 - National datasets will only reside in the KNMI Climate Explorer for metadata but for data access it will be linked to directly to national data centers
 - National dataset assessments that have already been completed (France, Germany, Brazil, Canada) will be loaded on the portal.
 - A formal letter would go out by the WMO Secretariat on a January-December yearly cycle to request national datasets for the portal.
- **Climate Indicators:**
 - Streamline with WMO State of the Climate report referenced datasets
 - Assess all climate indicator datasets (some are assessed but might need updating, some have not been assessed/some might need to be added)
- **'Explore Climate Data' with the KNMI Climate Explorer (link)**
- **Documentation:** Data Rescue Guidelines, CDMS Guidelines, HQ-GDMFC Manual, SMM-CD Matrix, SMM-NRP Matrix, etc



Task Team: WMO Manual on High Quality Global Data Management Framework for Climate

- **Lead: Christina**
- **Members based on preferences: Ali, Bruce, Peng, Markus D., Markus Z., Nirina, Lydia, Reinaldo**
- **TT Manual**

| f | Task Breakdown | Lead | Team members | Deliverable Timeline |
|------------|---|---------------|---------------------|--|
| f.1 | 1. Review of the manual and identify areas that need updating; Add National Dataset Assessment section with link to Guidance Booklet on figshare Change 'should' to 'shall' in terms of countries historical data exchange | William | All members | Update of the national dataset section and the change to shall for the data exchange is due for SERCOM session in Feb 21; update of next version of Manual due 2023. |
| f.2 | 2. Among others needs additional information on Marine Data (Lydia) and Hydrology (Nirina); | Lydia, Nirina | All members | Update of next version of Manual due 2023. |
| f.3 | 3. Resolution/recommendation proposal to merge existing I-DARE and C3S Portals to have a single global portal for DARE. Will be drafted by Omar, Peer and Rob and will be channeled through ET DRC. | Omar | Rob, Peer, Denis, ? | Due for SERCOM session in Feb 21 |

Task Team: Update of the WMO recognition mechanism for the Long-Term Observing Stations

- **Lead: Christina**
- **Members based on preferences: Jose, Maria, Reinaldo, Robert, Xiaolan**
- **TT Long-term Observing Stations**

| g | Task Breakdown | Lead | Team members | Deliverable Timeline |
|-----|--|-------------------|--------------|--------------------------|
| g.1 | 1. WMO Secretariat to provide to ET-DRC a draft recommendation for the SERCOM session in Feb 21 that provides a proposal for TCC on updated mechanism for long-term observing stations (and centennial stations) | Peer | Peer | SERCOM session in Feb 21 |
| g.2 | 2. Review of the recommendation on updated mechanism for long-term observing stations | Rachid ? Rob ? | All members | SERCOM session in Feb 21 |



Task Team: Guidelines on definitions and requirements for climatological reference stations

- **Lead: Christina**
- **Members based on preferences: Jose, Maria, Rachid, Reinaldo, Xiaolan**
- **TT Climatological Reference Stations**

| h | Task Breakdown | Lead | Team members | Deliverable Timeline |
|------------|--|-----------------|--------------|--------------------------|
| h.1 | 1. WMO Secretariat to provide and present to ET-DRC the document "Climate Reference Stations: Definitions and Requirements" written mostly by Mr. Andrea Merlone | Peer | Peer | SERCOM session in Feb 21 |
| h.2 | 2. Review of the document "Climate Reference Stations: Definitions and Requirements" (deadline December 2020) | Rachid Rob ? | All members | SERCOM session in Feb 21 |

Other Tasks

- **Lead: Denis and Christina**
- **All members**

| i | Task Breakdown | Members |
|-----|---|-----------------|
| i.1 | Communication Plan provide communication plan | Denis/Christina |
| i.2 | Work methods and Tools | Denis/Christina |
| i.3 | Contact with WMO and Open Geospatial Consortium (OGC): The Meteorology and Oceanography Domain Working Group (Met Ocean DWG) | Bruce, Xiaolan |
| i.4 | Contact with WMO and Open Geospatial Consortium (OGC): The Hydrology Domain Working Group | Bruce, Xiaolan |
| i.5 | Contact with WMO and Open Geospatial Consortium (OGC): The Meteorology and Oceanography Domain Working Group (Met Ocean DWG) | Bruce, Xiaolan |
| i.6 | Contact with OGC and International Organization for Standardization (ISO) | Bruce, Xiaolan |

Next Meetings and Agenda

Agenda for next meetings

- Proposed Second expert team meeting (to be organized by Omar/Peer)
- Joint session ET-DRC & ET-CMA
- Jan 13, 2021 13:00-14:00 Team meeting to work on 5 recommendation for SERCOM+INFCOM

