

WORLD METEOROLOGICAL ORGANIZATION

Expert Team on Data Requirements
for Climate Services (ET DRC),
9 February 2022, 13:00 – 15:00 Geneva time

Original: English

Agenda

Opening

ET DRC-related News

Team membership update

Contacts with OGC

Contribution to the report on Data Rescue Activities for the European Environment Agency (EEA)

A new Task Team to define the WMO Climate Data Model (TT-CDM)

Denis resigns from OpenCDMS PAT and PMC

Next meetings

ET DRC tasks in progress

WMO Recognition mechanism for long-term observing stations

Accelerate collection of CLINO 1991-2020

WMO-No. 1238 Manual on HQ GDMFC

Climate data-relevant publications

Climate data-related text for WMO-No. 49

DAYCLI message

International Data Quality code (underpinning TT-CMD & OpenCDMS)

Re-establishing the decadal collection of World Weather Records (WWR)

WMO Climate Data Catalog beta review and approval

Dataset assessments with the WMO Maturity Matrices

AOB

Guide to Information Management

Review of WMO- No. 100

Update of WMO- No. 1131

Closure

Participants:

Mr Axel Andersson	Mr Robert Dunn	Mr Ali Eddenjal
Mr Rachid Sebbari	Ms Xiaolan Wang	Mr Markus Donat
Mr Ulrich Looser	Mr Jose Guijarro	Mr Rob Allen
Ms Christina Lief	Mr Denis Stuber	Mr Peer Hechler
Ms Ge Peng	Mr William Wright	
Mr Urip Haryoko	Mr Reinaldo Silveira	

Notes (actions and key agreements highlighted in **bold**):

Opening

The meeting was opened by Christina and Denis.

ET DRC-related News

Team membership update

The Team welcomed Robert as new member. Lydia has retired and Axel replaced her. Jose has retired and continues as Team member.

Contacts with OGC

Contacts have been established with the OGC Innovation Program (Marie-Françoise Voidrod and Nils Hempelmann), triggered by a WMO talk of Maxx Dilley at COP 26 (November 2021).

Contribution to the report on Data Rescue Activities for the European Environment Agency (EEA)

Denis informed of the finalization of the above report with contributions from ACRE, BMKG, COPERNICUS, IEDRO, KNMI, Météo-France, NCEI and WMO. Uli and Peer mentioned current efforts to integrate DARE guidelines and tools of WMO (for climate and for hydrology) and COPERNICUS into a single Portal and a single guideline, thereby promoting an integrated Earth System approach.

A new Task Team to define the WMO Climate Data Model (TT-CDM)

Denis informed of the current implementation, under INFCOM, of a Task Team Climate Data Model, which will be tasked to develop the standard for a WMO Climate Data Model that will inform OpenCDMS as well as any other future WMO-related CDMS development.

Denis resigns from OpenCDMS Project Advisory Team (PAT) and Project Management Committee (PMC)

Denis informed the Team of his departure from the OpenCDMS project. He will focus more on his roles in SERCOMET-DRC and INFCOM TT-CDM.

Next meetings

Denis informed of ET DRC-relevant upcoming meetings:

Standing Committee on Climate Services, SC-CLI-4, date: 5-8 April 2022
Executive Council, EC-75, date: June 2022
SERCOM-2, date: October 2022
World Meteorological Congress, Cg-19, date: 2023

ET DRC tasks in progress

WMO Recognition mechanism for long-term observing stations

Peer informed of i) the current test phase for the WMO recognition of centennial marine and hydrological observing stations (test phase assessment due in March/April 2022 time frame; ET DRC to be informed), ii) a proposal for a national recognition mechanism for 75+ years observing stations (proposal developed under a SSA with William; proposal currently shared with ET DRC for review) and iii) the development of a draft State of Recognitions report to further promote the importance of long-term observing stations (to be shared with ET DRC for review soon). It is planned to submit to Cg-19 for endorsement (through ET DRC – SC-CLI – SERCOM-2): a) the WMO recognition mechanism for centennial marine and hydrological observing stations, b) the guidance for a national recognition mechanism for 75+ years observing stations as well as c) the proposal to regularly publish WMO State of Recognitions status reports.

Accelerate collection of CLINO 1991-2020

Peer reported of the current WMO collection of Climatological Standard Normals 1991-2020. The number of submissions is rather low so far and many submissions do not comply with format requirements. It is planned to submit a decision to EC-75 (through ET DRC and SC CLI) to promote and accelerate CLINO submissions. Another round of regional consultations is considered by Peer with support from ET DRC members. ET DRC members discussed potential reasons for the low participation in the WMO collection effort and potential measures to improve participation. The availability of tools to underpin Members' CLINO calculations has been highlighted (software

tools by Morocco, Jose and as part of R-Instat). **Peer will circulate among WMO Members information on the tools soon.** ET DRC stressed the need to modernize CLINO and WWR collection processes.

WMO-No. 1238 Manual on HQ GDMFC

William, Christina and Peer briefed the Team on upcoming updates to WMO-No. 1238 : i) new chapter on processes for record evaluation of extremes and recognition of centennial stations, ii) editorial updates, and iii) Rolling Review of Requirements process to keep the Manual current. Also, a list of guidelines has been developed to underpin and detail the content of the Manual. This includes, among others, guidance on maturity assessments. Manual updates will be submitted to Cg-19 for endorsement (through ET DRC -> SC CLI -> SERCOM-2 -> INFCOM -> TCC/EC (tbc))

Peer informed of the intent to update Res. 16 (Cg-16) on climate data requirements by listing updated climate data requirements and solutions and by establishing the Manual as vehicle to carry climate data requirements and solutions in the future (updated Resolution to be submitted to Cg-19 for endorsement through ET DRC -> SC CLI -> SERCOM-2).

Climate data-relevant publications

William informed of the attempt to reference existing documents on climate data management in an annex to the Manual.

Climate data-related text for WMO No 49

William briefed the Team on text drafted for the WMO Technical Regulations, Basic documents No. 2, Volume I (WMO-No. 49). This publication currently has a chapter on climate services without content. Peer stressed the need to update WMO-No. 49 accordingly including reference to the Manual (WMO-No. 1238). Peer furthermore clarified that there is more input needed from SC CLI domains, which needs to be triggered and coordinated. **The latter aspect should be submitted by ET DRC to SC CLI for coordination.**

DAYCLI message

Denis informed the Team of past and current developments: The Task Team on Table Driven Code Forms (TT-TDCF) has submitted the new BUFR code sequence proposal for DAYCLI to INFCOM. DAYCLI should be endorsed in mid-May 2022. This is a continuation of the fruitful collaboration of ET-DRC and TT-TDCF which has been started in December 2020. To get to this new BUFR definition, the contribution of several WMO Members were of great help. ET-DRC received the climatological practices from ALGERIA, ARGENTINA, BRAZIL, ESTONIA, FINLAND, FRANCE, GERMANY, INDIA, IRELAND, JAPAN, LIBYA, LUXEMBOURG, MOROCCO, RWANDA, SPAIN, SWITZERLAND and USA.

A lot of tasks remain for the DAYCLI message: support to NMHSs, guidance material for the DAYCLI message should be finalised, and other training material should be initiated: handbook, presentations, training courses e.g. on-line video in different languages. **Denis plans another meeting of the ET DRC sub-group on DAYCLI to detail the workplan.**

International Data Quality code (underpinning TT-CMD & OpenCDMS)

Denis highlighted the need for an international data quality code standard to underpin OpenCDMS including its data model as well as the international exchange of climate-relevant data. **Denis plans another meeting of the ET DRC sub-group on DAYCLI to detail the workplan.**

Re-establishing the decadal collection of World Weather Records (WWR)

Peer briefed the Team of poor Member participation in the annual WMO collection of WWR and of NCEI's decision to drop out of the annual processing of WWR from 2023. He shared his view of considering collecting CLINO and WWR jointly once per decade. Team members exchanged views. **Peer will call for a meeting of ET DRC interested members in March to discuss the WWR issue in more detail.**

WMO Climate Data Catalog beta review and approval; Dataset assessments with the WMO Maturity Matrices

Christina informed the Team of the work done by KNMI to update the WMO Climate Data Catalogue and incorporating assessed regional and national data sets. A broader update of the Website's functionality and layout is planned for end 2022. **Christina furthermore mentioned the opportunity to assess further global data sets and invited volunteers from ET DRC to lead such assessments.**

AOB

Guide to Information Management: Peng informed of the development of the first draft, under INFCOM, of the Guide to Information Management with involvement of ET DRC and associated experts (Peng, William, Uli, Johanna); a preliminary draft will be shared with ET DRC members soon; ET DRC to review and to flag missing content, if any.

Review of WMO- No. 100, Guide to Climatological Practices (dead line 1st March 2022): Denis underlined the need for a focal point of ET-DRC to collect all remarks and follow this subject. Peer suggested to brainstorm on the role of the Guide relative to WMO-No. 49 and WMO-No. 1238.

Update of WMO- No. 1131, Climate Data Management System Specifications: (Not discussed due to time constraints)

Closure

The meeting was closed by the Co-Chairs shortly after 3 p.m. Geneva time. **The next meeting will be held on 16th of March 2022, 13:00 – 15:00 Geneva time** (Teams invite sent by Peer immediately after this meeting).