

WORLD METEOROLOGICAL ORGANIZATION

Expert Team on Climate Data Development and
Stewardship,
6 November 2024, 14:00 – 16:00 Geneva time

Original: English

Agenda

1. Opening
2. ET DRC achievements
3. ET DDS workplan elements for 2025
4. DAYCLI – status and remaining work
5. AoB
6. Date of next meeting and closure

Participants:

Mr Denis Stuber	Mr Ali Eddenjal	Ms Ge Peng
Mr Reinaldo Siveira	Mr Axel Andersson	Mr Rachid Sebbari
Ms Sandhya Dindyal	Mr Jose Guijarro	Mr Peer Hechler
Mr Urip Haryoko	Mr Robert Dunn	
Mr William Wright	Mr Alesandro Spinuso	

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

1. Opening

The ET DDS meeting was opened by Denis and Reinaldo.

Peer informed the Team of the consent of P/SERCOM to add Mr William Wright as associated member to ET DDS. William received a warm welcome from the Team. Peer further noted the vacant position in the core team (consultations under way).

Peer also noted that no further comments have been received regarding the draft ET DDS ToR. **Therefore, the Team's ToR have been agreed to be as follows:**

Terms of Reference

(1) Define modern standards and good practices for climate data stewardship including quality control, homogenization, exchange, archiving and rescue of historical and current data for use in climate monitoring and assessment, prediction and other climate applications;

(2) Collaborate with INFCOM on the development of Climate Data Management Systems and related Information technology, by identifying adequate specifications and their update, based on Member's needs;

(3) Facilitate provision of WMO expertise to projects and initiatives for ensuring the delivery of high-quality climate data and their inclusion/reference in the WMO Catalogue of Climate Data, as per existing WMO standards and recommended practices.

2. ET DRC achievements

Denis presented the achievements of ET DRC (Paper available in the [ET DDS wiki](#)).

William added a reference to the recent peer-reviewed [paper on Climate Reference Stations](#).

3. ET DDS Work plan elements for 2025

The Team reflected on the proposed work plan elements for 2025:

- 1.) Finalisation of the DAYCLI guidelines (focus on climate requirements rather than technical solutions);
- 2.) Plan and conduct a series of three (tbc) online consultations for WMO Members (each time two similar events, one during Geneva afternoon hours with Spanish interpretation and one during Geneva morning hours with French and Russian interpretation) around ET DDS topics during 2025, e.g. i) Climate dataset development and stewardship maturity matrix, ii) Data gaps and statistics in a changing climate, iii) CLIMAT and DAYCLI, etc. (all to be discussed). These consultations may trigger specific ET DDS activities in 2026 and 2027;
- 3.) (Re-phrased following discussions during the meeting) Provision of climate data - related definitions and requirements for improvement of WMO Technical Regulations and related guidance material in close collaboration with INFCOM ET IM. This work includes completion of the updates of WMO-No. 1131 and WMO-No. 1238 and its implementation in Member countries and territories.

William highlighted the Team's potential role regarding CDMS (QC, QC flags, training etc) and Denis noted that the Team just received the edited version of the update of WMO-No. 1131 for review and response. This version is available at :

William also noted previous work to consider incorporating marine climatology into WMO-No. 1238. **He will forward relevant material to Peng for consideration in ET IM.**

Denis briefly reflected on his recent work in Paraguay and highlighted data completeness as an outstanding challenge for climate data managers.

The Team is invited to review the above workplan elements and provide comments with the view of agreeing on the set of ET DDS workplan elements for 2025 during the next ET DDS meeting on 11 December 2024.

It might be desirable to consider synchronizing ET DDS and ET IM workplan elements in parts to ensure an efficient collaboration (action for ET DDS and ET IM chairs/co-chairs).

4. DAYCLI status and remaining work

Denis presented the current status of the DAYCLI message (<https://github.com/ET-DRC/DAYCLI-message/blob/main/handbook/20241106%20-%20DAYCLI%20handbook.pdf>).

Denis, William and Axel mentioned potentials and challenges i) for 'WIS in a box' to facilitate BUFR encoding and decoding and ii) for OSCAR to properly reflect CLIMAT reporting. Axel called for a close collaboration between ET DDS and the GCOS Lead Centres on topics of mutual interest (e.g. CLIMAT, DAYCLI, etc).

5. AoB

Reinaldo shared a document on Early Warnings for All (submitted by SC CLI for review) and its suggested reflection in WMO Technical Regulations. He also shared his proposal for improvements (attached as annex to this report). **The Team is invited to review the document and provide further input to Reinaldo and Peer by 12 November 2024.**

6. Date of next meeting and closure

The next meeting is suggested to be held on Wednesday, 11 December 2024, 13:00-15:00 Geneva time.

Proposed agenda items:

- i) Agreement on ET DDS workplan for 2025 (*Denis, Reinaldo*),
- ii) Completion of DAYCLI Guidelines: Specific next steps and timeline (*Denis*),
- iii) Familiarisation item: Stewardship Maturity Matrix and WMO Climate Data Catalogue (*Reinaldo, Robert*), and brainstorming on strategy (*Peer and all*)
- iv) AoB