

WORLD METEOROLOGICAL ORGANIZATION

Expert Team on Climate Data Development
and Stewardship (ET-DDS)
20 August 2025, 13:00 – 15:00 Geneva time

References

Github: <https://github.com/ET-DRC>
Wiki general: <https://github.com/ET-DRC/Home/wiki>
Wiki DAYCLI: <https://github.com/ET-DRC/DAYCLI-message/wiki>
Shared drive, see at:
<https://community.wmo.int/en/governance/commission-membership/sercom-management-group/standing-committee-climate-services/expert-team-climate-data-development-and-stewardship>

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Participants:

Name	P*	Name	P*	Name	P*
Mr Alessandro Spinuso	x	Mr Jose Guijarro	x	Ms Sandhya Dindyal	
Mr Ali Eddenjal	x	Mr Markus Ziese	x	Mr Tursyn Tillakarim	x
Mr Axel Andersson		Mr Peer Hechler	x	Mr Urip Haryoko	x
Ms Cathy Smith	x	Mr Rachid Sebbari	x	Mr William Wright	
Mr Denis Stuber	x	Mr Reinaldo Silveira		Byungjun Kim	x
Ms Ge Peng		Mr Robert Dunn	x		

*P: Present

Notes: actions and agreements highlighted in **bold**.

1 Summary of actions and news since the last meeting ([26/06/2025](#))

1.1 ET-IM Expert Team on Information Management (SC-IMT, INFCOM)

Sub Group 1: Harmonization of the standard and recommended practices related to climate data and observations across the Technical Regulations.

Sub Group 2: Identify and prioritize essential functional requirements for a climate data management system (CDMS) based on the revised CDMS specifications (WMO-No. 1131).

1.2 Task Team on Climate Infrastructure - TT-CI INFCOM

Next meeting on 3 September 2025, Task Team on Climate Infrastructure, 13:00 – 15:00 Geneva time, focus: Data rescue and climate observations incl. Centennial stations, Reference Climatological Stations etc.

Denis highlighted recent ET DDS activities on Data Rescue and suggested Axel as TT CI member to consider these for the above meeting; cf. <https://github.com/ET-DRC/Home/wiki/ET%E2%80%9090DDS-and-former-ET%E2%80%9090DRC-Initiatives>

1.3 Kazakhstan workshop (enhancements of the WMO State of the Climate Reports)

The final report had been circulated among ET DDS members.

It was suggested to brief the chair of SC CLI as well as Sena as the SERCOM's Management Group focal point for climate on the outcomes of the Astana workshop.

1.4 RA VI Working Group for Weather, Climate, Hydrological, Marine and Related Environmental Services and Applications

08/07/2025: Meeting with Ladislav Markovik from the [RA VI Working Group for Weather, Climate, Hydrological, Marine and Related Environmental Services and Applications](#), and with Reinaldo Silveira and Denis Stuber.

Ladislav will have the opportunity to present his work at an ET-DDS meeting, and we will also invite two other ETs that may be relevant: The ET on Monitoring and Communicating Climate Variability and Change (ET-MCCVC) and the ET on Climate Services Information Systems for Decision Support (ET-CSIS).

1.5 Stewardship Maturity Matrix for Climate Data

12/08/2025: Meeting with Ms Tursyn Tillakarim (ET-DDS and KAZHYDROMET), Peer, Reinaldo and Denis to better explain how to assess a KAZHYDROMET dataset.

1.6 Communication on WMO-No.1131 Climate Data Management System Specifications

Communication on the publication of the update of WMO-No. 1131

To	Date	Comment
SC-CLI, ET DDS, Ian Lisk, etc.	09/07/2025	
WMO-No. 1131 reviewers	18/07/2025	approximately 85 persons
RCCs contacts	22/07/2025	18 persons
WMO Climate Data Managers (Peer's contacts)	18/07/2025	approximately 300 persons
HMEI	22/07/2025	Two persons to circulate among all HMEI members)
WMO Social Networks	August 2025	Contact: Jesse Cruz WMO; Denis sent a proposition

All ET-DDS members to:

- **Promote the update of WMO-No. 1131**
- **Suggest assessing their national CDMSs for compliancy with WMO-No. 1131** (APPENDIX 2. SUMMARY OF COMPONENT CLASSIFICATION) (Denis posted the relevant Excel template on the ET-DDS Wiki)

William Wright to present WMO-No. 1131 during The Workshop on Advancing Regional Climate Centres Products and Services to Meet Evolving Needs of Members (24-29 August 2025)

1.7 Forum on data management in South America: [Enandes](#) project

Enandes: Enhancing Adaptive Capacity of Andean Communities through Climate Services

2 DAYCLI

While writing and reviewing the DAYCLI message handbook, it was found that crucial information was missing, and that using UTC time would be a source of errors for the climate community. It was proposed to modify the BUFR sequence to address these issues.

New terms proposed: Attribution day, Climatological day and Local Meteorological Time Zone.

A new BUFR proposition was created by Sergio Ferreira from INFCOM TT-TDCF (ET-DATA) the 8 July 2025. See: <https://github.com/wmo-im/BUFR4/issues/238>. This proposition should then be approved through INFCOM's fast track process.

Denis has added a message into the Github for the DAYCLI BUFR at this address: <https://github.com/wmo-im/BUFR4/issues/238> saying: "Thank you very much, Sergio, for your hard work and this new solution. It fully meets the requirements of SERCOM's expert teams: ET-DDS and ET-MCCVC. Especially since it allows historical and current data to be exchanged even if observation times change between summer and winter time (daylight saving time)."

Denis suggested to ET DDS members to assist in testing and validating the new BUFR sequence. Peer suggested to finalise the DAYCLI Guidelines as soon as possible.

3 Stewardship Maturity Matrix for Climate Data

A topic-specific ET DDS meeting is suggested to convert the Astana meeting outcome into agreed ET DDS workplan elements. Availability of Peng, Robert and Reinaldo needs to be ensured due to their unique expertise regarding the WMO implementation of the SMM for Climate Data.

4 Consultation on homogenization

Strategy: Discuss and prepare the consultation with the whole community in advance, and schedule the consultation at the end of the process. Consultation on homogenization scheduled tentatively for mid-November 2025.

17 NMHS responses to the products and services using homogenized data.

Consider setting up a mini-web site at WMO to gather agenda and material.

Ask for presentations and follow up from:

- **Madagascar (Sandhya)**
- **Argentina (Reinaldo)**
- **Australia (William)**
- **Hungary (?)**

ET-DDS members to review: implementation process, Survey and usage by 31 of August

5 Any Other Business

Ongoing activities on Peer's desk (provided after the meeting by Email):

- Finalisation of WMO-No. 847, CLINO 1991-2020. We are now working with our publications division on the final layout of the publication jointly with continuous checking of data (>400'000 values) and station names (almost 7'000 stations). I will soon send the final draft for your review (but NOT asking you to review all values, just the overall layout 😊)
- Centennial stations: Jointly with Infrastructure, we started cleaning WIGOS OSCAR to make sure that all Centennial stations (so far 475) are properly registered in OSCAR
- There are quite a few data rescue activities going on under different projects (incl. ClimSA etc) and by partners (such as IEDRO). This is really great and I am reviewing proposals and reports and provide advice along our DARE Guidelines
- An update of the Centennial Observing Stations - State of Recognitions report (WMO-No 1296) has been started

6 Date of next meeting

17th of September from 13:00 to 15:00 Geneva time

7 Coming events

- ✓ **24-29 August 2025:** Workshop on Advancing Regional Climate Centres Products and Services to Meet Evolving Needs of Members
- ✓ **3 September 2025,** Task Team on Climate Infrastructure, 13:00 – 15:00 Geneva time, focus: Data rescue and climate observations: Centennial stations, Reference Climatological Stations etc.
- ✓ **20-24 October 2025:** Cg-Ext
- ✓ **28-30 October 2025:** [2025 EUMETSAT Climate Symposium: Co-creation in Action](#)
- ✓ **4-6 November 2025:** 15th Data Management Workshop, Oslo
- ✓ **Mid-November 2025: CONSULTATION ON HOMOGENIZATION**
- ✓ **10-21 November 2025:** COP 30, Belem, Brazil
- ✓ **March 2026:** SERCOM-4
- ✓ **April 2026:** INFCOM-4
- ✓ **May 2026:** 12th Seminar for Homogenization and Quality Control in Climatological Databases and the 7th Interpolation Conference in Budapest