

WORLD METEOROLOGICAL ORGANIZATION

Expert Team on Climate Data Development and Stewardship,
Standing Committee on Climate Services (SC-CLI)
SERCOM

Original: English

11 February 2025, 13:00 – 15:00 Geneva time

Agenda

Welcome to the new core member of the ET-DDS team: Ms. Cathy Smith USA (RA IV)

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Participants:

Name	P*	Name	P*	Name	P*
Mr Alesandro Spinuso	P	Mr Jose Guijarro	P	Ms Sandhya Dindyal	P
Mr Ali Eddenjal	P	Mr Markus ZIESE		Mr Tursyn Tillakarim,	
Mr Axel Andersson	P	Mr Peer Hechler	P	Mr Urip Haryoko	P
Ms Cathy Smith	P	Mr Rachid Sebbari		Mr William Wright	P
Mr Denis Stuber	P	Mr Reinaldo Siveira	P		
Ms Ge Peng	P	Mr Robert Dunn	P		

*P: Present

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

1. Summary of actions and agreements during this meeting 11/02/2025

1. Homogenization will be the first consultation to WMO members scheduled for May 2025. Jose will lead this action and will present a first draft of the organization of the homogenization consultation for March 2025.
2. Other ET-DDS meetings will tackle the LOESS method, Voluntary Observing Networks and the Astana Workshop
3. William to present a first draft of the DAYCLI guidelines by the 10th of March 2025; ET-DDS to present a final draft by 31 March 2025.
4. ET-DDS will pass through the Standing Committee on Climate Services the ET-IM question on the Technical Regulations, Volume I – General Meteorological Standards and Recommended Practices (WMO-No. 49).
5. ET-DDS to prepare a list of argument to the chair of SC-CLI, Ms Qingchen Chao, for the beginning of March 2025. Qingchen Chao will discuss the Data Rescue subject during the next meetings involving SERCOM and INFCOM.
6. Next ET-DDS meeting the 12 March 2025 from 13pm to 15pm Geneva time.

2. Summary of previous meeting 11/12/2024

See the ET-DDS WIKI: [Home/Meetings/2024/20241211_OnlineMeeting.pdf at main · ET-DRC/Home · GitHub](#)

3. ET DDS Work plan elements for 2025

Reinaldo sent the Work Plan elements of ET-DDS for 2025 to Ge Peng (Chair of INFCOM/ET-IM) and Dave Berry (Scientific Officer of WMO-CDM/WIS).

Workplan and deliverables for 2025

1. Finalization of the **DAYCLI guidelines**;
2. Finalization of the update of the Climate Data Management Specifications, **WMO-No. 1131, Edition 2025**;
3. Plan and conduct a series of online consultations for WMO Members (with French, Spanish 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) Data control, Provenance and Lineage, iv) CLIMAT and DAYCLI, v) the use of gridded data, etc. **These consultations may trigger specific ET DDS activities in 2026 and 2027**;
4. Contribution to INFCOM/ET-IM tasks **(1) the review and harmonization** of technical regulations related to climate data and observations that includes the Manual on HQ-GDMF WMO-No. 1238 and other Manuals and **(2) the development of the minimum technical specifications of a climate data management system** deemed **compliant** with the WMO Climate Data Management System Specifications (WMO-No. 1131);
5. Hybrid Workshop **"Climate Data Stewardship needs and applications in support of the State of the Climate reporting"**, Astana, Kazakhstan, 23-26 June 2025 (ET on monitoring and communication climate variability and change –MCCVC- and ET-DDS).



Slide presented by ET-DDS during the 8th Standing Committee for Climate Services (SC-CLI), February 225.

4. Which consultations for WMO Members?

Survey results: <https://framadata.org/T32rYIXDU52xE4NJ>

22 possible consultations, 13 polled users.

Best score:

- Climate dataset development and stewardship maturity matrix (6 votes);
- Data Control and Data Stewardship + Provenance and Lineage (6 votes);
- Use of gridded data (5 votes);
- Homogenization (4 votes).

Decision to **start by a consultation on homogenization. Jose to lead** this homogenization consultation. This consultation is **planned for May 2025**.

The second and the third consultations are scheduled for September and December.

Jose to present a first draft of the organization of the homogenization consultation for March 2025.

5. AoB (Peer)

- Use of LOESS filter for trend analyses (LOcally Estimated Scatterplot Smoothing nonparametric method for smoothing a series of data in which no assumptions are made about the underlying structure of the data).
- Role of Voluntary Observing Networks (VON): Henry Reges of CoCoRaHS is member of ET MCCVC. He suggested to have a discussion on data aspects of VON data with ET DDS. We could invite him to give a talk in one of our future meetings.
- Complementary partnership in Data Rescue (C3S – WMO).
- Astana Workshop.

6. Completion of DAYCLI guidelines

Facts:

- 26 July 2024, ET-DDS: DAYCLI handbook should be revised with clear definition of the climatological day (offset against UTC) and the management of daylight-saving time (DST). This may lead to modifications in the DAYCLI BUFR template 3 07 075.
- 17 January 2025, WMO sent an official letter to all WMO Members asking to "implement and participate in the production and the international exchange of the daily summary reports".
- 27 January 2025, decisions on the DAYCLI guidelines following meeting Peer-William-Reinaldo-Denis (add the offset of the climatological day against UTC, to use of the climatological day for the time reference (and not the UTC), to do not handle daylight saving time (but to explain this decision in the guidelines)).
- According the latest searches around 20 countries are sharing the DAYCLI through the GTS/WIS. According the DWD, none of the NMHSs are using the current BUFR template, the **3 07 075**. NMHSs are using the former templates, 3 07 073 and 3 07 074.

Conclusions:

- Speed up the finalization of the DAYCLI guidelines to assist NMHS according the 3 07 075 template even if the current template is not fully satisfactory:
 - **William to present a first draft of the DAYCLI guidelines by the 10th of March 2025;**
 - **ET-DDS to present a final draft by 31 March 2025.**
- Assist and Monitor the use of DAYCLI. Axel may help to start monitoring with simple schedule queries the use of the DAYCLI messages. Results of this monitoring may be shared with the [GSNMC](#) web site. In the long run, the WIGOS Data Quality Monitoring System should take this task (<https://wdqms.wmo.int/>)
- SERCOM/INFCOM to prepare a DAYCLI update within 1-year time to tackle the issue on the climatological day.
- Still pending: who to collect DAYCLI messages for monitoring (quality and quantity) and for data sharing?

7. WMO-No.1238 and WMO-No. 49

Ge Peng, chair of INFCOM ET-IM, gave a quick update on ET-IM activities on WMO-No 1238 revisions (Task 1). Several people from ET-DDS are also part of ET-IM (Axel, Denis, Rachid, William).

Ge Peng talk:

“While waiting for guidance and outcomes from the INFCOM Task Team on Climate Infrastructure (short for TT-CI), a sub-group of ET-IM has started reading 1238 and other key Manuals. Main objectives include:

- *Getting familiar with the relevant Manuals (more details here if needed);*
- *Determining primacy of each Manual.*
- *Next step:*
 - *Identify areas of overlappings and propose ways to harmonize standards and practices across relevant Manuals:*
 - *Maintain contents in the primary Manual*
 - *Cross-reference it in the secondary Manual*

Brief background on TT-CI: TT-CI has been established in response to addressing gaps identified by GCOS, led by Michel Jean (INFCOM President) and Peter Thorne (GCOS AOPC co-chair) [AOPC - Atmospheric Observation Panel for Climate].

- *One of the gaps identified was inconsistency and overlapping in WMO Climate Related Technical Regulatory Manuals.*
- *Had its first meeting on Jan 21 and the next one in early March.*
- *Outcomes in Q3 2025*

On WMO -No. 49:

- *David gave an excellent overview presentation on WMO Regulatory documents*
 - *Climate service is not included in No. 49.*
 - *It has been noted that there were some discussions or activities previously on drafting a Chapter in 49. Questions that might be relevant to this ET-DDS or Peer are:*
 - *Is there an on-going effort at SERCOM?*
 - *If so, which ETs are involved? “*

About WMO-No. 49, ET-DDS will pass through the Standing Committee on Climate Services to better answer the question.

8. WMO-No. 1131 CDMS Specifications

The very good work of M. Julian Heinz, from the Publication Department of WMO, is going on. The final version of the document, ready to be released is expected for March/April 2025.

- 05/11/2024** Receipt of a corrected version of WMO-No.1131 by the WMO Publication Department (Julian Heinz).
- 04/12/2024** ET-DDS send the new version to WMO Publication. 2 items remain: review of certain IT terms and review of Provenance section (dead line: 12/2024).
- 23/01/2025** Receipt from WMO of some outstanding issues.
- 31/01/2025** New version with answers sent to WMO of certain terms and renew of all legend's graphs. Use of CC by 4.0 license approved (Peng suggestion).

9. Stewardship Maturity Matrix for Climate Data (SMM-CD) and WMO Climate Data Catalogue

No time to present this subject. The team will address it during next meeting.

10. 8th Standing Committee on Climate Services-SC-CLI-8 Summary

The meeting begun on Wednesday, 5th Feb 2025 and finished on Friday, 8th Feb 2025. The agenda, presentations and related documents are in the SC-CLI 8 web page (<https://community.wmo.int/en/activity-areas/climate-services/meetings/eighth-session-standing-committee-climate-services>) and it was led by Prof. Qingchen Chao (Chair of SC-CS), Profs. Fatima Driouech and Roger Pulwarty (Vice-Chairs of SC-CS) and Dr. Chris Hewitt (WMO CS Director).

Following the presentation of SERCOM and WMO Climate Services Division and the importance of SC-CLI, chairs of the ETs updated their respective information (ET-CIDS, ET-MCVC, ET-CDC, ET-DDS, ET-HIS, TT-NFCS and JET-CRYO).

Denis presented the structure of ET-DDS, objectives, which was done so far, the WP for 2025 and challenges, gaps and opportunities;

Reinaldo presented the item 1 of ET-DDS WP, regarding to the Data Stewardship and the expected activities on this subject.

The ET-DDS co-chairs noted a great synergy among the expert teams and good amount the cross-cutting issues which will reinforce the ET-DDS activities.

Nir Stav, Director of Infrastructure Department, presented the new Task Team on Climate Infrastructure. In this presentation Data Rescue activities were planned to become part of INFCOM. Clarification of the role of SC-CLI and ET-DDS on Data Rescue competencies. **ET-DDS to prepare a list of argument to the chair of SC-CLI**, Qingchen Chao, for the beginning of March. Qingchen Chao will discussed this subject during the next meetings involving SERCOM and INFCOM.

International WMO workshop on Climate Service is suggested by Qingchen Chao for the second half of 2025. One of the objectives is to “provide a platform for countries and regions to share and exchange knowledge and experiences in the field of climate services, including best practices and innovative solutions”.

We really encourage you to read the presentations given by the various Standing Committee on Climate Services teams, as well as all the other presentations which give a global and up-to-date view of projects and challenges in the domain of climate services.

11. Date of next meeting

12 March 13:00 15:00 Geneva Time

12. Coming events

- ✓ 18-20 March 2025, SERCOM-Ext
- ✓ 27 March 2025, RA IV-19
- ✓ April 2025, RA V-19
- ✓ 8-10 April 2025 RA VI RCC workshop: Advancing Regional Climate Services
- ✓ 16 June 2025, 79th session of the Executive Council
- ✓ 23-26 June, Hybrid Workshop “Climate Data Stewardship needs and applications in support of the State of the Climate reporting”, Astana, Kazakhstan
- ✓ ???? Workshop on Climate Services (China)
- ✓ 20-24 October, Cg-Ext
- ✓ 10-21 November, 2025, COP 30, Belem, Brazil
- ✓ March 2026, SERCOM-4
- ✓ April 2026, INFCOM-4