

Meeting report:

Expert Team on Climate Data Development and Stewardship (**ET-DDS**)

Standing Committee on Climate Services (SC-CLI)

SERCOM

10 December 2025, 13:00 – 14:00 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	P	Mr Jose Guijarro	P	Ms Sandhya Dindyal	
Mr Ali Eddenjal		Mr Markus ZIESE	P	Mr Tursyn Tillakarim,	
Mr Axel Andersson	P	Mr Peer Hechler	P	Mr Urip Haryoko	P
Ms Cathy Smith		Mr Rachid Sebbari		Mr William Wright	P
Mr Denis Stuber		Mr Reinaldo Silveira	P	Mr Byungjun Kim	P
Ms Ge Peng		Mr Robert Dunn	P		

*P: Present

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

1 Summary of actions and follow up since the last meeting ([12/11/2025](#))

1.1 Writeshop 11-14 November 2025

WMO-No. 1238 (Manual on the High-quality Global Data Management Framework on Climate) Short summary (ET-IM, ET-DDS and ET-MCCVC)

Reinaldo started the discussions by remembering the group about the purpose of the Writeshop, which was proposed by the **WMO CMPSD/SD (Peer)** together **WMO DIMS/ID (David Berry)**. The core of the meeting was to finalize the revision of the WMO-No. 1238, specifically regarding to technical terms that either are inconsistent with mentions spread in the different parts of the manual or overlapping with other WMO technical definitions. Peer added comments on this subject and stressed the advantage of such meetings over online format, due to the fruitful discussions that comes aside the agenda or other issues raised from knowledge shared opportunity. Also, during the meeting, **Serhat** gave an impressive report on WMO RA VI RCC on climate monitoring activities and briefed about the guidelines on Collection and Quality Control of Recording-breaking National Climate and Weather Events prepared by ET-MCCVC. **William** reinforced the importance of the meeting also for speeding up the revision process, since it was done in real time and with participation of experts with different backgrounds. **Axel** mentioned the relevant inclusion of an annex to the WMO No. 1238 regarding marine climate datasets.

As of December, the core work on the manual by the WMO DIMS/ID appears to be almost complete, and **the final version is expected to be submitted to INFCOM-4 in November 2026**.

1.2 SERCOM Management Group for the future of ET-DDS

2-5 December, SERCOM Management Group meeting in Cape town. **Waiting from their conclusions.**

ET-DDS provided arguments to reinforce its role in SERCOM. (NEEDS INFO: **Reinaldo** mentioned the 4 points of suggestion (General Context; key points; current situation and next steps of ET-DDS). A possible reorganization of the SC-CLI was discussed during the SERCOM Management Group meeting. **Feedback and decisions will be clarified in the coming months.**

1.3 DAYCLI

Reinaldo shared with the participants that **Sergio Ferreira from ET-DATA STANDARD** reported that **the software to encode DAYCLI (version 3.07.095)** is ready and that input files are able to be in Text or XML.

The links for the 2 file formats for the DAYCLI message :

- https://github.com/ET-DRC/DAYCLI-message/blob/main/sample/2025/DAYCLI_txt_example.txt
- https://github.com/ET-DRC/DAYCLI-message/blob/main/sample/2025/DAYCLI_xml_example.xml

Tests should be done with these file formats. Participation from **DWD, Japan, Switzerland, Argentina, Australia and Météo-France** is expected. It would be great if your NMHS could participate by providing a simple test file for one month.

It is necessary to **explore communication plan** (that include a consultation on DAYCLI when the guideline will be ready), and detailed discussions will be organized in the next meeting.

2 Consultation on homogenization

The online consultations were held on **19 and 20 November**.

On this regarding, **Peer and Reinaldo** acknowledge the well-done contribution of experts involved in the consultation, including the noticeable effort of Jose for his lectures and the help of Byungjun. **They also highlighted the success of the event at both schedule days, with more than 200 participants, and an active Q&A list.** Reinaldo mentioned that the material is included at ET-DDS wiki as well as the homogenization mailing list for those who wish to take part of it (provided by the Hungarian Met Service).

The all directory is available at this address: <https://github.com/ET-DRC/Home/wiki/Consultation-on-homogenization>

Jose mentioned that he has been reading and answering questions being received and **updating the "Question and Answer" document in the wiki.**

The deadline to receive answers from the **survey** that was posted during to consultation was already passed (**10th of December, 2025**) and the ET-DDS will examine the information. So far, more than 60 answers were received. **Reinaldo and Jose volunteered to analyse the results, which is of course open to any expert of ET-DDS to join in this task.**

3 Next Consultation

Some subjects were raised as candidates for the next consultations, including:

- Return period? Temperature, Precipitation, Wind
- Return period in a changing climate?
- DAYCLI?
- Disaggregation? (Rainfall)
- Quality Control?

For example, it was noted that **Return period** attracts **strong interest from Members**, and **that such statistical approaches fall under the scientific mandate of ET-DDS**. The need for a consultation on **DAYCLI**, in view of **its implementation in the second half next year** and the communication of its guidelines to Members, was also highlighted. **ET DDS will continue reviewing potential consultation topics** and examine the relevant details carefully.

Important to mention that the next consultations will follow the same structure as the first one, which was held in November 2025: **introduction, use cases, how-to explanation, member examples, discussions and conclusions, survey and Q&A.**

4 Data Rescue Presentation

The Plenary talks of the **ESMO Scientific Steering Group (SSG) Meeting and WGORC Kick Off** was held on 9-10 December at ECMWF in Reading, UK.

ESMO: Earth System Modelling and Observations / **WGORC:** Working Group on Observations for Researching Climate

Agenda at: <https://www.wcrp-esmo.org/calendar/esmo-scientific-steering-group-meeting-and-wgorc-kick-off>

Denis attended on behalf of ET DDS and on **10 December presented on “WMO Data Rescue Initiative, Why it matters now?”** at Plenary Session VI - Data Stewardship and Infrastructure.

Please find the presentation below: "**WMO Data Rescue Initiative: Why it matters now?**"

- The presentation is available on the ET-DDS Wiki at: https://github.com/ET-DRC/Data-Rescue/blob/main/presentations/2025/ESMO/Session6_STUBER_WMO-Data-Rescue.pdf
- Other presentations are available here: [Plenary-Presentations - Google Drive](#)

Peter Thorne also presented the **WMO Task Team on Infrastructure** in the same session on the same day.

Through attending this meeting, the links between the research and **ET-DDS's Data Rescue work were found to be very fruitful**, and **continued WMO's participation in ESMO/WGORC is hoped for**.

Remember that Douglas Rao, Co-chair of WGORC, presented at the Workshop in Astana (June 2025): "Machine Learning in Earth System Modeling and Observations". See: https://github.com/ET-DRC/Home/blob/main/Meetings/2025/Workshop%20June/Presentations/ESMO_Machine%20learning%20in%20climate%20data4.pdf

The list of sessions:

Session I - Model-Observation-AI Interface
Session II - Reanalysis
Session III - Climate Services and extreme events
Session IV - Evaluation and Comparison
Session V - High resolution Modelling and associated observations
Session VI - Data Stewardship and Infrastructure
Session VII - Advancements and challenges in Observations
Plenary Session VIII - Key Climate Metrics and Forcings

5 Any other Business

None

6 Date of next meeting

21 January 2026 13:00-15:00 Geneva Time

7 Coming events

- ✓ **9-13 March 2026:** INFCOM MG
- ✓ **May 2026:** 12th Seminar for Homogenization and Quality Control in Climatological Databases and the 7th Interpolation Conference in Budapest
- ✓ **May 2026:** EGU, European Geosciences Union, [Historical Weather Data Rescue and Methodologies Focusing on Data-sparse Regions](#) (Vienna)
- ✓ **September 2026:** ACRE, [Atmospheric Circulation Reconstructions over the Earth](#) (Rome)
- ✓ **October 2026:** SERCOM-4
- ✓ **November 2026:** INFCOM-4