

# WORLD METEOROLOGICAL ORGANIZATION

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Expert Team on Climate Data Development and  
Stewardship,  
11 December 2024, 13:00 – 15:00 Geneva time

Original: English

## Agenda

1. Summary of the previous meeting
2. ET DDS Work plan elements for 2025
3. Which consultations for 2025?
4. Completion of DAYCLI handbook: Specific next steps and timeline
5. WMO-No.1238 and WMO-No. 49
6. WMO-No. 1131 CDMS Specifications
7. Translation of Stewardship
8. Stewardship Maturity Matrix for Climate Data (SMM-CD) and WMO Climate Data Catalogue
9. Actions summary
10. Date of next meeting
11. WMO past and coming events

## Participants:

|                      |                      |                   |
|----------------------|----------------------|-------------------|
| Mr Denis Stuber      | Mr Ali Eddenjal      | Ms Ge Peng        |
| Mr Reinaldo Silveira | Mr Axel Andersson    | Mr Rachid Sebbari |
| Mr Markus Ziese      | 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, Summary of the previous meeting, ET DDS workplan elements for 2025, Which consultations for 2025

The ET DDS meeting was opened by Denis and Reinaldo. The outcome of the previous meeting was briefly reviewed: The ET's workplan elements for 2025 have been agreed and Ms Cathy Geiger, USA has been identified to fill the vacant position in the ET (subject to approval by PR of USA and P-SERCOM). Peer informed of preparations for a hybrid WMO Workshop 'Climate Data Stewardship needs and applications in support of the State of the Climate reporting' in Astana, Kazakhstan from 23 to 26 June 2025 (to be confirmed and subject to approval) with ET DDS and ET MCCVC participation.

**Denis and Reinaldo to share ET DDS ToR and workplan elements with INFCOM ET IM and ask ET IM to share their ToR and workplan elements with ET DDS.**

**Denis to implement a voting process to select the ET's topics for the three online consultations highlighted in the workplan for 2025.**

2. Completion of DAYCLI handbook: Specific next steps and timeline

Cf. ANNEX

3. WMO-No.1238, WMO-No. 49, WMO-No 1131

The Team was informed of the status of the above WMO publications:

WMO-No 1238 and WMO-No. 49 currently under review by ET IM in support of the relevant EC-75 resolution to review climate-relevant content of WMO Technical Resolutions

WMO-No 1131: Publication of the update in progress (the update of WMO-No. 1131 has been reviewed by an editor and Denis coordinates the responses to the Editor's questions and comments).

4. Translation of Stewardship, Stewardship Maturity Matrix for Climate Data (SMM-CD) and WMO Climate Data Catalogue

Denis informed the Team of his observation that translating 'stewardship' into other languages may be challenging. It seems that French and Spanish translations may rather use terminology like 'management'.

Reinaldo presented elements of the history and implementation of the WMO Stewardship Maturity Matrix for Climate Data (SMM-CD) and the WMO Climate Data Catalogue (<https://github.com/ET-DRC/Home/blob/main/Meetings/2024/ET-DDS-SMM-CD-11122024.pdf>).

Peer announced the planned discontinuation of the WMO Climate Data Catalogue. The Team felt that more in-depth discussions are needed to fully understand the consequences of the planned discontinuation of the WMO Climate Data Catalogue. Such meeting as well as the planned Astana workshop (see 1. above) may help outlining future WMO activities related to climate datasets.

**Peer to coordinate the organization of a topic-specific ET DDS meeting on the future of SMM-CD and the WMO Climate Data Catalogue**

5. Date of next meeting and closure

**The next meeting is suggested to be held on Tuesday, 11 February 2025, 13:00-15:00 Geneva time.**

WMO past and upcoming events:

- ✓ 27 November 2024, [Regional Association III Nineteenth Session](#)
- ✓ 5 February 2025, [First Standing Committee on Climate Services \(SC-CLI\) meeting](#)
- ✓ 18-20 March 2025, SERCOM-Ext
- ✓ March-April 2025, RA IV-19
- ✓ April 2025, RA V-19
- ✓ 16 June 2025, 79<sup>th</sup> session of the Executive Council
- ✓ 20-24 October, Cg-Ext
- ✓ March 2026, SERCOM-4
- ✓ April 2026, INFCOM-4

## ANNEX: ET-DDS plan for the DAYCLI message and its handbook

### 1. Issues to be addressed by ET-DDS

#### 1. Measuring period and climatological day

Do we add the definition of the climatological day to which the parameters from a station are assigned to?

Do we allow the full management of Daylight-Saving Time (DST) for measuring point?

#### 2. Quality flags

Should they be simplified?

#### 3. Final review of the handbook

### 2. Issues and tasks to be addressed by INFCOM/SERCOM/GCOS

#### 4. Which stations should report DAYCLI?

#### 5. How to list, how to register/de-register, and how to maintain stations reporting CLIMAT and DAYCLI?

#### 6. Who to collect and monitor DAYCLI?

### 3. Issues and tasks to be addressed by?

#### 6. Provide a software to compile the DAYCLI and assistance for its WIS dissemination for NMHSs who need it

#### 7. Training material: presentations, on-line video, etc.

#### 8. Communication and training plans and its monitoring/indicators

#### 9. Monitoring quantity and quality of the DAYCLI message (WDQMS)

⇒ Share the tasks and other plans with ET-IM

### 4. DAYCLI handbook, Table of contents

|    |   |                  |
|----|---|------------------|
| 1  | <i>Introduction</i>   | OK               |
| 2  | Which stations should report a DAYCLI?                                      | Not in the scope |
| 3  | <i>Summary of observational requirements</i>                                | OK               |
| 4  | <i>Climatological day and periods of measurement</i>                        | OK               |
| 5  | <i>Siting classification &amp; Measurement Quality Classification (MQC)</i> | OK               |
| 6  | Computation of the mean temperature   | OK               |
| 7  | Quality Control and Quality Flags   | OK               |
| 8  | Coding format and examples of correctly-formatted messages                  | Not in the scope |
| 9  | Submission of DAYCLI messages   | Not in the scope |
| 10 | Registration and de-registration of DAYCLI stations                         | Not in the scope |
| 11 | <i>References</i>   | OK               |

### 5. Plan for ET-DDS

#### Creating Groups

**Group\_1, Climatological day and periods of measurement**

**Group\_2, Computation of the mean temperature**

**Group\_3, Quality Control and Quality Flags**

|   | <b>Review</b>                                 | <b>Group</b> | <b>Lead</b> |
|---|---|--------------|-------------|
| 4 | Climatological day and periods of measurement | 1            |             |
| 6 | Computation of the mean temperature           | 2            |             |
| 7 | Quality Control and Quality Flags             | 3            | William     |
|   | Final review of the handbook                  | All          |             |

### Timelines

**15 February 2025**, the ET-DDS chairs, with the help of William and other experts who have already contributed to DAYCLI (NOAA, BoM, WMO), have finalized a version of the DAYCLI Handbook focusing on the 3 main chapters and give it to the 3 groups.

**15 March 2025**, the groups have finalized the review of their respective part and give back the results to ET-DDS chairs.

**15 April 2025**, ET-DDS distributes its draft DAYCLI handbook to the concerned people (SERCOM, INFCOM, GCOS).

Who to send DAYCLI: Climate stations (GBON, RBON, GCOS...)

Plan to update CLIMAT message? (William), Peer see a need to update the content of the CLIMAT message (rules on missing data, errors in ?, proposal to change, etc.) See GCOS and others

Sharing CLIMAT message WIS2 in a box, CDMS?