

**Meeting report:**

Expert Team on Climate Data Development and Stewardship (**ET-DDS**)  
Standing Committee on Climate Services (SC-CLI)  
SERCOM  
**17 September 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	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	
Ms Cathy Smith	P	Mr Rachid Sebbari	P	Mr William Wright	P
Mr Denis Stuber	P	Mr Reinaldo Silveira	P	Mr Byungjun Kim	P
Ms Ge Peng	P	Mr Robert Dunn			

\*P: Present

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

## 1 Summary of actions and follow-up since the last meeting ([20/08/2025](#))

### 1.1 ET-IM Expert Team on Information Management (SC-IMT, INFCOM) 10/09/2025

**Task 1:** Harmonization of the standards and recommended practices related to climate data and observations across the Technical Regulations.

**Task 2:** Identification and prioritization of essential functional requirements for a Climate Data Management System (CDMS) based on the revised CDMS specifications (WMO-No. 1131).

Meeting ET-IM for task 1 on the 10/09/2025 (**Peng, William**)

Manual 1238: i) agreement of the structure, preamble and introduction done, ii) Definition of Climate data, including data monitoring and Marine material-pending

Target: Completion of harmonization work by the end of Second quarter 2026.

### 1.2 TT-CI Task Team on Climate Infrastructure on 03/09/2025 (Data Rescue)

**Axel Andersson** informed that as that this meeting, as the final topic-related meeting, would have its outcomes and recommendations (high level) documented and submitted to INFCOM.

### 1.3 Workshop on Advancing Regional Climate Centres Products and Services to Meet Evolving Needs of Members (24-29 August 2025)

**William Wright** presented WMO 1131 and Climate Data Management, and reported on discussions regarding the Developing services at regional climate centres, use of the climate services Toolkit, QCs and Data Rescue. **He emphasized the capacity building needs and the potential applications of AI (data rescue, QC, ...), noting the need for a technology watch.**

### 1.4 Kazakhstan workshop (enhancements of the WMO State of the Climate Reports)

Finalization of the Kazakhstan report: Done

How to communicate to SERCOM/INFCOM about the planned actions from the workshop?

- DARE priorities from a SoC reporting perspective (E.g. promote the establishment of WMO WIPPS centres for historical climate data)
- Clear statements for which stations to report CLIMAT and DAYCLI message (E.g. OSCAR)

**Sena/Urip to brief Sena as a focal point for SERCOM about this priority**

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

Communication on the availability of WMO-No. 1131

To	Date	Comment
SC-CLI, ET DDS, Ian Lisk, etc.	09/07/2025	mail
WMO-No. 1131 reviewers	18/07/2025	mail/approximately 85 persons
RCCs contacts	22/07/2025	18 persons
Climate Data Managers (Peer's contacts)	18/07/2025	Approximately 300
HMEI	22/07/2025	Two persons to circulate among all HMEI members

WMO Social Networks	Contact: Jesse Cruz WMO Denis <b>send a proposition to Peer</b>	
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#### WMO sent posts over:

- [LinkedIn](#)
- [Facebook](#)
- [BlueSky](#)
- [X](#)

Each of ET-DDS and other ETs from SC-CLI to:

- Communicate on the new edition of WMO-No. 1131
- Suggestion to assess their national CDMSs against the compliancy of WMO-No. 1131 (APPENDIX 2. SUMMARY OF COMPONENT CLASSIFICATION)

Denis put the Excel template available on the ET-DDS Wiki: [Home · ET-DRC/WMO-No.1131 Wiki](#)

### 1.6 19 Session of Regional Association V (South West Pacific) RA V-19 9-11 September

Item 4.2, decisions on Climates Services, about publication of the State of the Climate in the South West Pacific reports.

<https://meetings.wmo.int/ra-5-19/SitePages/Session%20Information.aspx>

“Collaborate with the WMO technical commissions and Research Board (RB) on the regular update of the process for the publication of the State of the Climate in the South-West Pacific reports, on an annual basis, in line with the approach taken for the annual WMO State of the Global Climate report a...”

### 1.7 SERCOM MG (11/09/2025)

ET Progress Updates and Forward Plans – Preparation for Joint SERCOM MG-25/3 – Execs-16 Virtual Meeting 11/09/2025

#### **Slide 1: Progress since June 2025:**

- WMO Workshop 'Climate data stewardship needs and applications in support to the State of the Climate reporting' (jointly with ET MCCVC), 23-26 June 2025, Astana, Kazakhstan with important recommendations to strengthen the data base for the State of the Climate reporting
- Publication and promotion of the updated WMO Climate Data Management Systems Specifications (WMO-No. 1131)
- Consolidated BUFR sequence for the DAYCLI message drafted in close collaboration with INFCOM to enable tracing the date, hour and period of DAYCLI observations

#### **Slide 2: Planned activities for the remainder of 2025:**

- Evaluation and implementation of the consolidated BUFR sequence for the DAYCLI message and finalisation of the DAYCLI guidelines
- Online Consultation on Homogenisation for all WMO Members
- Workplan development for 2026 activities (taking into account outcomes of the above Astana workshop)
- Next Meeting of the Standing Committee on Climate Services: 28 October 2025, 12-14 UTC+1, on-line

## 2 Workshop WMO-No.1238 and regulatory material

**Purpose of the meeting:** Six experts of SERCOM ET DDS (three of them are also members of INFCOM ET IM) and ET MCCVC are expected to gather for four working days in Geneva (WMO Headquarters) to update and strengthen climate data stewardship relevant material in WMO-No. 1238 (Manual on the High-quality Global Data Management Framework on Climate) and brainstorm on the inclusion of climate monitoring-relevant elements in WMO regulatory material. This activity is closely coordinated with Mr David Berry of the Infrastructure Department, who oversees the related activities on the INFCOM side.

**Scope of participation:** ET-DDS, ET-IM, ETMCCV

It will be held on **11-14 November 2025**. Considering their engagement in the SoC reporting, their participation is expected to be limited.

## 3 DAYCLI

A new BUFR proposition was created by Sergio Ferreira from ET-DATA STANDARD the 8 July 2025. See: <https://github.com/wmo-im/BUFR4/issues/238>. This proposition should then be approved by INFCOM/SERCOM and EC...

This new proposition should be tested/validated by some Members Guidelines/Handbook be ready: create a sub-group? E.g. Météo-France, BMKG, DWD, Australia, NOAA...

**ET-DDS (Denis) to comment and say that the last proposition meets our requirements:** message sent the 21/08/2025 and response from Marijana Crepulja (Chair of ET-DATA) that "The ET-DATA will validate and approve the proposal during our upcoming meetings in autumn.

New comment of Dave Berry, who suggests a technical modification. But it does not affect the general concept or decisions, and **agreement has been reached**.

Next steps:

- Validation by ET-DATA
- At least a test by some NMHSs (which NMHSs?)
- INFCOM/SERCOM/EC validation
- Finalization of the DAYCLI guidelines: should include the BUFR sequence and the way to use it. Implies guidelines (handbook?) with 2 hands: ET-DDS and ET-DATA. Difficult to finalize by the end of 2025: Workshop, Consultation, requirements of Astana Workshop.

The current guidelines include the BUFR sequence.

## 4 Stewardship Maturity Matrix for Climate Data

As an action plan to convert the Astana workshop outcome, **Special dedicated meeting with Peng, Robert and Reinaldo** is scheduled to provide **input for the ET-DDS workplan**. ET-DRC meeting will be held on the **8/10/2025**.

### Agenda

1. Recall outcomes from Astana Workshop regarding Stewardship Maturity Matrix (SMM) implementation
2. Working plan for 2026
3. Revision of SMM-CD and SMM-CD\_NRP items
4. SoC – Key datasets
5. WMO Catalogue
6. Plan for Consultation on SMM
7. RCC and NHMS training
8. AOB

## **Roadmap elements for further Stewardship Maturity Matrix (SMM) implementation**

- Revisit the SMM for global data sets with a view of reducing its assessment criteria
- Further promote the assessment of global data sets used for SoC reporting under ET DDS guidance and review
- Encourage/Reinforce engagement from dataset providers
- Consider reflecting SMM assessment results on the SoC dashboard
- Consider creating a (rather static) WMO Website with access to the SMM templates and guideline
- Consider cancelling the current WMO Climate Data Catalogue
- Continue promoting the use of SMM on regional (RCC) and national levels by providing training

Agenda considered mature enough. Outcome of this meeting to be considered during the November Workshop (WMO-No.1238 and regulatory material).

## **5 Consultation on homogenization**

The meeting dates for the western and eastern hemispheres were coordinated, and agenda items with assigned responsibilities and progress were reviewed

Comment on the predefined consultation material available at: <https://github.com/ET-DRC/Home/wiki/Consultation-on-homogenization>

### **5.1 Use case Presentations follow-up:**

NMHS	Contact	Followed by	Confirmation	Presentation ready
Madagascar	Luc Randriamarolaza	Sandhya	Yes	
Hungary	Beatrix Izsák	Markus	Yes	
Argentina SAS RCC	Maria Mercedes Poggi	Reinaldo	Yes	
Australia RA-V RCC	Simon McGree	Reinaldo	?	

### **5.2 Talks**

Talk	Speaker	Draft	Reviewed	Ready
Homogenisation	Jose	OK	Yes	Yes
Usage	?	OK	No	No
Implementation	?	OK	No	No
Introduction/Conclusion	Peer		No	No
Survey		OK	No	No
Chair for the Discussion	Peer			
Time keeper	Peer			

Speakers will be confirmed by the end of October.

### **5.3 Date**

two successive days:

- **19 Nov. 2025, 15:30-17:00 Geneva time for the western hemisphere**
- **20 Nov. 2025, 08:30 - 10:00 Geneva time for the eastern hemisphere**

**Jose has validated the schedule**, and the internal approval process will be carried out. **After that, the link with registration page will be sent to all the people** related to the WMO 1131, climate data managers, RCCs and related stuff, with a request to circulate it further.

**For the western hemisphere, the speaker will present in Spanish language and slide will be prepared in English.**

## 5.4 Other tasks

Task	Done	Who
Review of the 3 documents	Until 30/09/2025	All
Internal approval for WMO Secretariat (Interpretors and budget)	30/09/2025	
Communication of the dates of the consultations	4-3 weeks before?	
Find the speakers for the consultations	..October	
Visio Conference (Zoom): keep track of connections (mails), Survey link at the end	As soon as possible	Sohyun Na from WMO
Test of the final survey (Météo-France, DWD, Indonesia, Argentina, KNMI)	October	

## 6 WMO-No. 100 Edition 2011 available at WMO Library

### WMO-No. 100 Guide to Climatological Practices

Into the WMO library it exists the Edition 2023 only in English, and the Edition 2018 for Russian, Chinese, Spanish, Arabic, and French version (not the English version of the 2018 Edition), and Edition 2011 is not available.

#### Requests to WMO:

1. To insert the Edition 2011 into the library, for all language versions, as this edition includes rules for missing data. It is very important for traceability especially for a Guide.
2. Add the Edition 2018 in English version. And ask the other older versions.
3. Translate the Edition 2023 in all missing languages.

## 7 Any Other Business

Ongoing activities reported by Peer and Markus:

Peer:

- CLINO publication 1991/2020 to review: Introduction to review and the data of your country
- Centennial stations review document to be shared soon

Markus:

- Review the ET MCCVC guidelines before mid October
- Task team to review ET-CCDI extreme indices

## 8 Date of next meeting

**8<sup>th</sup> October 2025: SMM-CD** (add AOB status of documents to review)

**12<sup>th</sup> November 2025, 13:00-14:00 Geneva time: short ET-DDS meeting** (consultation, writeshop)

## 9 Coming events

- ✓ **20-24 October 2025:** Cg-Ext
- ✓ **28 October 2025:** Standing Committee on Climate Services meeting
- ✓ **28-30 October 2025:** EUMETSAT Climate Symposium
- ✓ **4-6 November 2025:** 15th Data Management Workshop, Oslo
- ✓ **11-14 November 2025:** Workshop WMO-No.1238 and regulatory material?
- ✓ **10-21 November 2025:** COP 30, Belem, Brazil
- ✓ **19-20 November:** Consultation on homogenization
- ✓ **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

ET-DDS meeting 17/09/2025