

## AGENDA

### Of workshop on "Needs and Applications of Climate Data Management to Support State of the Climate Reporting"

23-26 June 2025, Astana, Kazakhstan

Place: 11/1 Mangilik el ave., Kazhydromet building, Majilis Hall, 3rd floor

#### Introduction

The basic aim of the workshop will be to ensure that the process for producing WMO State of the Climate (SoC) reports is based on well-managed, robust and reliable national, regional and global information and datasets.

Members of SERCOM's ET DDS (Expert Team on Climate Data Development and Stewardship) and ET MCCVC (Expert Team on Monitoring and Communicating Climate Variability and Change) will join forces to identify complementary activities to further strengthen the WMO SoC reporting process in terms of scientific robustness and transparency.

The workshop will also provide an opportunity for separate meetings of ET DDS and ET MCCVC (one day) to discuss workshop implications and internal matters.

The occasion of the workshop will be used to connect to KAZHYDROMET to discuss climate data and monitoring capacities and requirements, thereby strengthening their role in related WMO activities.

Zoom link for connection:

***Kazhydromet invites you to the scheduled conference: Zoom.***

*Topic: "Workshop on climate Data Stewardship Applications and Needs in support of the State of Climate Reporting"*

*Time: 23 Jun 2025 09:00 AM Astana*

*Join the Zoom conference*

<https://zoom.us/j/3756905251?pwd=KcFcpyWbn9ZMSOwPXtFqbr5E2bTHCU.1&omn=98835391021>

*Conference ID: 375 690 5251*

*Access code: m61RBV*

Day 1		
08:50 – 09:10	Registration of participants	
9:10 – 09:30	<ul style="list-style-type: none"><li>▪ Welcome speech from the First Deputy Director General of Kazhydromet</li><li>▪ Welcoming remarks from the WMO Representative</li><li>▪ Introduction of the workshop participants</li></ul>	<p>Dr Serik SAIROV</p> <p>Dr Peer HECKLER</p> <p>All participants</p>

<b>A break for a general group photo</b> <b>Coffee break</b>		
10:00-10:30	Kazhydromet with presentation on information with emphasis on climate data and climate monitoring activities (DM, DIT, SRC)	Kazhydromet
10:00-10:10	Meteorological monitoring and state climate cadastre	<i>Ms Altynai</i> <b>ZHAPBASBAYEVA</b>
10:10-10:20	Technical support for receiving and transmitting data	Ms Marzhan <b>BAKBERGEN</b>
10:20-10:30	Review of climate change monitoring and climate research activities in the NHMS of Kazakhstan	Ms Nuraily <b>KUZHAGELDINA</b>
10:30-11:00	Questions, discussions	
11:00-12:00	Overview of the WMO climate reporting process, including key climate monitoring activities (including RCCs, NHMS), relevant datasets and monitoring panels, and requirements for reliable data and information sources ET MCCVC (Expert Team on Monitoring and Communication of Climate Variability and Change)	
12:00-14:30	<b>Lunch break</b>	
14:00 – 17:00	Overview of SERCOM (Commission for Weather, Climate, Hydrological, Marine and Related Environmental Services, and Applications) climate data related activities in support of climate monitoring (Climate Reference Stations, Centennial Observing Stations, DAYCLI, Maturity Matrix for Climate Data Management (SMM-CD), homogenisation, data rescue, etc.). etc.), homogenisation, data rescue, etc.) (ET DDS (Expert Team on Climate Data Development and Management))	
	Machine learning and artificial intelligence in climate data (WCRP, Douglas)	
	Closure Day 1	
<b>Day 2</b>		
09:00-09:10	Recap of the 1 <sup>st</sup> day	
09:10-12:00	Strengthening the WMO State of Climate (SoC) reporting database and information (i): Brainstorming on common data and information requirements and solutions for WMO State of Climate reporting;	
10:20-10:40	<b>Coffee break</b>	
10:40-12:00	Strengthening the WMO State of Climate (SoC) reporting database and information	

	(ii) Use cases: how ET DDS (Expert Team on Climate Data Development and Management) actions of data rescue, DAYCLI and homogenisation can help to improve the SoC database; (iii) Management maturity level requirements for SoC datasets (including mandatory WMO RCC datasets).	
12:00-14:00	<b>Lunch break</b>	
14:00-17:00	Capacity development needs (members and RCCs)	
	Closure Day 2	
<b>День 3</b>		
09:00-09:10	Recap of the 2 <sup>nd</sup> day	
09:00-17:00	Contribution to the ET DDS and ET MCCVC work plans for the intersessional period 2024-2028. Expected outcomes of the workshop	
	Closure Day 3	
10:20-10:40	<b>Coffee break</b>	
	User requirements/options for ET DDS activities in support of climate reporting: - (i) Data rescue, - ii) Regular exchange of daily climate data (DAYCLI), - iii) Homogenisation	
12:00-14:00	<b>Lunch break</b>	
14:00-17:00	- Development of a Roadmap for further implementation of the Climate Data Management Maturity Matrix (WMO-No. 1238, SMM-CD and SMM-CD_NRP, Climate Data Catalogue) to support climate reporting at national, regional and global levels: i) Required management maturity levels of current core datasets used for SoC reporting ii) Как использовать лучшие характеристики зрелых наборов климатических данных в процессе отчетности SoC iii) Proposed improvements to the Climate Data Management Maturity Matrix and its implementation	

Day 4		
09:00-12:00	<ul style="list-style-type: none"> <li>Thematic group work in two rooms</li> </ul>	
10:20-10:40	<b>Coffee break</b>	
10:40-12:00	<ul style="list-style-type: none"> <li>Continuation of work, Completion of work, Debriefing</li> </ul>	
	Closure of the Workshop	
12:00-14:00	<b>Lunch break</b>	
14:00-17:30	<ul style="list-style-type: none"> <li>Cultural programme</li> </ul>	

*Notes:*

*Online connectivity (ZOOM) will be maintained on all days to allow GE associates and experts to join the workshop as well as the GE meetings.*

*Brief summaries will be provided at the beginning of each morning and afternoon session respectively to facilitate effective remote participation in different time zones (exact times to be communicated).*

## List of Expert Team participants

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