



**WMO Third Pole
RCC Network**
(In Demonstration Phase)



THE 3rd SESSION OF THE THIRD POLE CLIMATE FORUM
and
MEETING OF THE THIRD POLE RCC-NETWORK TASK TEAM
3 – 5 June 2025
Ministry of Earth Sciences (MoES)
Prithvi Bhawan, Lodi Road
New Delhi, India
AGENDA

Day 1: Tuesday 3 June 2025

09:00 – 10:00 REGISTRATION

1. Opening session

Moderator: Mr. Vijay Kumar Soni (IMD)

(On Dias – PR/Representatives of China, India, Pakistan, WMO, Secretary MoES)

10:00 – 11:00	Welcome Address by Host	
	IMD	Mr. D. S. Pai (Scientist-G, IMD)
	Opening statements	
	World Meteorological Organization	Mr. Wilfran Moufouma Okia (Chief, WMO/RCP)
	WMO Services Commission	Mr Ardhasena Sopaheluwakan (SERCOM Vice President) - <i>online</i>
	WMO Infrastructure Commission	Mr. Michel Jean (INFCOM President)(<i>recorded</i>)
	CMA – TPRCC-Network Northern Node	Ms. Jiashuang Yuan (Deputy Director General, NCC/CMA)
	PMD – TPRCC-Network Western Node	Mr. Sahibzad Khan (PR of Pakistan with WMO) (<i>online</i>)
	UNESCAP	Mr. Sanjay Srivastava (Chief, DRR, ESCAP)
	Address by Chief Guest	Mr. M. Ravichandran (Secretary, MoES)
	Vote of Thanks	Mr. R. K. Giri (IMD)
11:00 – 11:30	GROUP PHOTO and HEALTH BREAK	

2. Global and regional scale data for climate monitoring and prediction over Third Pole Region

Chair: Mr A. P. Dimri, Director IIG, Mumbai

Rapporteur: Mr. Anikender Kumar (IMD)

11:30 – 11:45	Tour de table	All participants
11:45 – 11:55	WMO Integrated Processing and Prediction System (WIPPS) Overview and Roadmap for Integrating Cryosphere Information and Products	Ms. Eunha Lim (WMO) and Ms. Rodica Nitu (GCW)
11:55 – 12:05	Observed and Reanalysis data, products and services for Third Pole Region	Mr. Vijay Kumar Soni (IMD)
12:05 – 12:15	Bridging the data gaps for addressing climate and environmental risks	Mr. Sudip Pradhan (ICIMOD)
12:15 – 12:25	Development of Global Daily Snow Depth Dataset and its Applications in the Third Pole Region	Wenhui Xu (NMIC/CMA) – <i>online</i>
12:25 – 12:35	Modelling the Karakoram Anomaly: Glacier-Climate Interactions and Climatic Drivers	Mr. Pankaj Kumar (IISER, Bhopal)
12:35 – 12:45	Himalayan Cryospheric Applications using Space Based Observations	Mr. Praveen K. Gupta (SAC, Ahmedabad)
12:45 – 12:55	Hydrometeorological Extremes and Compound Climate Events in the Himalayas	Mr. Ashwini Ranade (NIH Roorkee)
12:55 – 13:05	Monitoring of Himalayan Glaciers using Space and Ground based Observations	Mr. Manish Mehta, (WIHG)
13:05 – 13:30	Q&A and discussion	All participants
13:30 – 14:30	LUNCH BREAK	

2. Recent scientific advances in understanding and modelling of climate and cryosphere in High Mountain Asia region

Chair: Mr. Vineet Gahlaut (Wadia Institute of Himalayan Geology)

Rapporteur: Mr. Akhilesh Mishra (NCMRWF)

14:30 – 14:40	Modelling activities at NCMRWF for weather and climate forecast in mountain region	Mr. Akhilesh Mishra (NCMRWF)
14:40 – 14:50	High-resolution global climate modeling for the Third Pole Region	Mr. Suryachandra Rao (IITM Pune)
14:50 – 15:00	Extended-Range Forecast Products for the Third Pole region	Mr. D. R. Pattanaik (IMD)
15:00 – 15:10	Increasing disaster risks over high mountain Asia under warming climate	Mr. Cunde Xiao (Beijing Normal University, China) – <i>online</i>
15:10 – 15:20	GLOF and glacier collapse hazards in the Third Pole: process, risk assessment and early warning	Mr Weicai Wang (TPE) – <i>online</i>
15:20 – 15:30	Enhancing monitoring and observation systems in the Third Pole region	Ms. Maria Shahgedanova (MRI)

15:30 – 16:00	HEALTH BREAK	
16:00 – 16:10	The Melting Cryosphere and Future Projections in the NW Himalaya	Mr. Shakil Romshoo (Islamic University, Srinagar)
16:10 – 16:20	Spire's AI foundational model for sub-seasonal to seasonal prediction	Mr. Nachiketa Acharya (Spire Global Inc.) – <i>online</i>
16:20 – 16:30	WildFires in the Third Pole: How coupled Atmosphere-Ocean interaction and Climate Change Fuel a Multi-System Crisis	Dr. Piyush Srivastava (IIT Roorkee)
16:30 – 16:40	Space for Climate in Polar Regions	Mr. Ramana, M. V. (NRSC)
16:40- 17:00	Discussion	All Participants
17:00	CLOSURE OF DAY 1	
18:30 – 21:30	Cultural programme followed by dinner hosted by Secretary, Ministry of Earth Sciences at CSOI, Chanakyapuri	

Day 2: Wednesday 4 June 2025

3. Seasonal Climate Monitoring and Prediction: Global and Regional Perspectives

Brief overview of current conditions of the global drivers, and main climate patterns, such as temperature and precipitation over TP region and their possible evolution

Chair: Ms Eunha Lim (WMO)

Rapporteur: Mr Raghu (IMD)

09:00 – 09:20	Current state of climate over the Third Pole	Ms. Lijuan Ma (CMA) and Mr. Vijay Kumar Soni (IMD)
09:20 – 09:30	Melting glaciers and rising cryospheric hazards in the Himalayas	Mr. Thamban Meloth (NCPOR)
09:30 – 09:40	WMO Global Seasonal Climate Update: climate monitoring and seasonal outlook for JJA 2025	Mr. Wilfran Moufouma Okia (WMO)
09:40 – 09:50	Role of EO data and process based models in monitoring cryosphere ECVs in North West Himalaya	Mr. Praveen K Thakur (IIRS)
09:50 – 10:20	Monitoring of Himalayan Cryosphere using advanced energy balance techniques coupled with ground based observations	Mr. Parmanand Sharma (NCPOR)
10:20 – 10:30	Increasing extreme events in the central Himalayas	Ms. Mandira Shrestha (Nepal)
10:30 – 10:40	Operational Avalanche Forecasting Services for Indian Himalayan Cryosphere	Mr. Sudhanshu Shekhar (DGRE)
10:40 – 10:50	Flood-Causing Precipitation Extremes in the Himalayan Region: Science-Based Insights for Policy Action	Ms Ayantika Dey (IITM Pune)

10:50 – 11:00	Five Decades Glacier Mass Balance Observations in the Indian Himalaya	Mr Bhanu (NCPOR)
11:00 – 11:30	HEALTH BREAK	
4. Seasonal Climate Monitoring and Prediction: National Perspectives <i>Representatives of National Meteorological and Hydrological Services in the Third Pole region are invited to present a brief (10 min) overview of the current climate conditions in the country and a national outlook for JJAS 2025 with special reference over Mountain region (10 min)</i> Chair: Mr. Rupa Kumar Kolli (SC-CLI) Rapporteur: Mr Chinmay Khadge (IMD)		
11:30 – 11:40	Afghanistan	Mr. Khayber Rahmani TBC
11:40 – 11:50	Bangladesh	Mr. Shadekul Alam
11:50 – 12:00	Bhutan	Ms. Sonam Lhamo
12:00 – 12:10	China	Mr. Daquan Zhang
12:10 – 12:20	India	Mr. Anikender Kumar
12:20 – 12:30	Kazakhstan	Ms. Tursyn Tillakarim
	Kazakhstan	Ms. Gulshat Aktayeva
12:30 – 12:40	Kyrgyzstan	Ms. Anastasiia Kliuchareva
12:40 – 12:50	Mongolia	Mr. Khalzan Purvedagva
12:50 – 13:00	Myanmar	Ms. Tun Lin Kyaw
13:00 – 13:10	Nepal	Mr. Bibhuti Pokharel
13:10 – 13:20	Pakistan	Mr. Gohar Ali (online)
13:20 – 13:30	Tajikistan	Ms. Nasri Khurosonieva
13:30 – 14:30	LUNCH BREAK	
4. Seasonal Climate Monitoring and Prediction: National Perspectives <i>Representatives of National Meteorological and Hydrological Services in the Third Pole region are invited to present a brief overview of the current climate conditions in the country and a national outlook for JJAS 2025 with special reference over mountain region (10 min)</i> Chair: Mr. Rupa Kumar Kolli (SC-CLI) Rapporteur: Mr Chinmay Khadge (IMD)		
14:30 – 14:40	Uzbekistan	TBD
14:40 – 15:00	Q&A and discussion	
15:00 – 15:30	HEALTH BREAK	
5. Development of Consensus Outlook for JJAS 2025 <i>Open discussion summarizing the available indicators and reviewing the pre-developed consensus statement</i> Chair: Mr. Ajit Tyagi (Former DGM, IMD) Rapporteur: Mr. Chinmay Jena (IMD)		
15:30 – 15:45	Evaluation of TPCF-1 and TPCF-2 Outlook	Mr. Jingpeng Liu (CMA)
15:45 – 16:40	Pre-Consensus outlook for JJAS Season 2025	Jingpeng Liu (CMA)

		Mr. Shahzad Sultan (PMD) Mr. Vijay Kumar Soni (IMD)
16:40 – 16:50	Status of the CMCC Prediction System, Including Future Plans for Snow Depth Verification	Marianna Benassi (GPC-SP CMCC) - <i>online</i>
16:50 – 17:00	C3S seasonal forecasts and tools	Christopher Goddard (GPC-SP ECMWF) - <i>online</i>
17:00 – 17:30	FOCRAII	Mr. Daquan Zhang (CMA) RCC Beijing
17:30 – 18:00	UNESCAP – Demonstration of Impact Based Forecasting tool using TPCF-3 outlook	Mr. Sanjay Srivastava (UNESCAP) and Mr. S. Avi (UNESCAP)
18:00 – 18:15	Open discussion on the seasonal outlook and consensus statement	Moderated by Chair
18:15	CLOSURE OF DAY 2	
19:00 – 21:00	Dinner hosted by IMD at CSOI, Chanakyapuri	

Day 3: 5th June 2025 (Thursday)		
7. Users Forum: Application of Climate Service Products for decision support in different sectors This session is intended to discuss about potential impacts and applications of climate information in decision making process for specific users. Chair: Mr. Wilfran Moufouma Okia (WMO) Rapporteur: TBD		
09:00 – 09:30	Presentation of TPCF-3 consensus statement	Ms. Lijuan Ma (CMA)
09:30 – 09:45	White paper – JET-CRYO	Kumar and Lijuan
09:45 – 10:00	Experience on the Applications and Disaster Risk Reduction in Third Pole Region	Mr. Sanjay Srivastava (UNESCAP)
10:00 – 10:15	Climate Change and Impact on Glaciers: A Case Study from the Indian Himalaya	Mr Rajesh Kumar (CURAJ)
10:15 – 10:30	Coupled Glacier Climate Modelling	Mr Pankaj Kumar (IISER Bhopal)
10:30 – 10:45	Potential demand for TPCF products to support preparedness, prevention and risk reduction in the framework of EW4All	Mr. Tarakesh Lakshman (RIMES)
10:45 – 11:00	Invite participants to answer the survey online (provide link)	All Participants

11:00 – 11:40	HEALTH BREAK	
7. Users Forum: Application of climate service products for decision support in different sectors (cont-d) This session is intended to discuss about potential impacts and applications of climate information in decision making process for specific users. Chair: Mr. Sanjay Srivastava (UNESCAP) Rapporteur: Mr C. S. Tomar (IMD)		
11:30 – 12:20	Short statements on the application of climate information by sectors: Transport Power Water UNDP Disaster Management Authorities	All participants
12:20 – 12:45	Open discussion on users engagement, their requirements, and way forward for addressing their needs by TPRCC-Network	All participants
12:45 – 13:00	Challenges, requirements, and opportunities to address users’ needs	All participants
13:00 – 13:20	Way forward towards sustained TPCF: frequency, hosting, role of TPRCC-Network Nodes and key partners	Moderated by Chair
13:20 – 13:30	CLOSURE OF TPCF-3	Dr D. S. Pai (IMD) Mr. Wilfran Moufouma Okia (WMO)
13:30 – 14:30	LUNCH BREAK	
MEETING OF THE THIRD POLE RCC-NETWORK TASK TEAM		
Chair: Lijuan Ma (CMA) Rapporteur: Mr Sanjay Bist and Mr Sudhir Dwivedi (IMD) Participants: all members of TPRCC-Network task team / JET-TPRCC		
14:30 – 15:30	Discussion on the key findings, recommendation and conclusion made at TPFC-3, gaps and aspects to be improved in TPCF process, role of TPRCC-Network	Moderated by Chair
15:30 – 16:00	HEALTH BREAK	
16:00 – 16:30	Discussion on the ongoing demonstration phase of TPRCC-Network: <ul style="list-style-type: none">• Climate data• Climate monitoring• Seasonal Prediction• Training• Engagement with Stakeholders	Mr. Wilfran Moufouma Okia (WMO) Ms. Lijuan Ma (CMA) Mr. Pengling Wang (CMA) Mr. Shahzad Sultan (PMD) Mr. Vijay Kumar Soni (IMD) All members
16:30 – 17:00	A summary of recommendations and action plan on the way forward towards the sustained operations of TPCF and WMO designation of TPRCC-Network (including frequency, hosting, role of TPRCC-Network Nodes and key partners)	Mr. Wilfran Moufouma Okia (WMO) Ms. Lijuan Ma (CMA)

17:00	Announcement of venue of next TPCF and CLOSURE OF THE MEETING	Ms Lijhuan
-------	------------------------------------------------------------------	------------