

# INTROMET 2025

## Session Plans

Updated on 17 Nov 2025 9:00 AM

18 November 2025 (Day 1)		
Registration 8:00 to 9:00 IST @ Meghdoot Reception		
9:00 to 10:30 IST	<b>Inaugural session (Meghdoot Auditorium)</b>	09:00 – 09:05 : Welcoming of Dignitaries, 09:05 – 09:10 : Invocation & Lighting of the Lamp 09:10 – 09:15 : Welcome Address by Dr. Suryachandra Rao, Director, IITM 09:15 – 09:20 : Presentation of Mementos to Dignitaries 09:20 – 09:25 : Address by Shri. Anand Kumar Sharma, President, IMS 09:25 – 09:30 : Address by Guest of honour Dr. M. Mahapatra, DGM, IMD 09:35 – 09:40 : Release of Souvenir of INTROMET- 2025, Vayumandal & Launch of Vayumandal website by Dr. M. Ravichandran, Secretary, MoES 09:40 – 09:50 : Institutional Curtain Raiser of IISF 2025 09:50 – 10:05 : Declaration of Indian Meteorological Society Awards by Dr. S I Laskar, Secretary, IMS 10:05 – 10:15 : Inaugural Address by Chief Guest Dr. M. Ravichandran, Secretary, MoES 10:15 – 10:20 : Vote of Thanks Dr. Sabin TP, Organising Secretary, INTROMET-2025 10:15 : National Anthem
10:30 to 11:00 IST Group Photo and High-tea		
Plenary Talks: <b>Meghdoot Auditorium</b> : Chairs: - Secretary MoES		
11:00 to 11:30 IST	<b>Plenary talk</b>	<b>Dr. Shailesh Nayak</b> , NIAS: “Mission Mausam: opportunities and Challenges”
11:30 to 12:00 IST	<b>Plenary talk</b>	<b>Prof. Jagdish Shukla</b> , GMU, USA: “Opportunities and Challenges in Monsoon Modelling and Prediction”
Parallel Session		

**Slot A | Venue : Meghdoot Auditorium**  
**18 November 2025 (Day 1) Time: 12:00 – 13:30**

**Session: Innovations in Weather Prediction & Early Warning System**

**(1<sup>st</sup> Session – 2<sup>nd</sup> @ Slot B)**

<b>Time</b>	<b>Speaker &amp; Affiliation</b>	<b>Title</b>
<b>12:00 – 12:20</b>	<b>William R. Boos, Univ. of California Berkeley (Invited)</b>	Forecasting regional monsoon onset for millions of farmers weeks in advance using AI-based methods
<b>12:20 – 12:40</b>	<b>Prof. A. P. Dimri, IIG Mumbai (Invited)</b>	Space Weather Investigations: Recent Trends, Contributions and Future Directions
<b>12:40 – 13:00</b>	<b>Anthony Jones, Met Office, UK (Invited)</b>	Key insights from the Weather and Climate Science for Service Partnership India in collaboration
<b>13:00 – 13:20</b>	<b>Andrew W. Robertson, Columbia Climate School, USA (Invited)</b>	Improving Sub-seasonal Monsoon Forecasts Over India with Machine Learning for Hydrologic Applications
<b>13:20 – 13:30</b>	<b>Chinmay Kumar Jena, IMD</b>	Challenges in air quality forecasting and early warning system over Delhi
<b>13:30 – 13:40</b>	<b>Dr. Trisanu Banik, IMD</b>	District wise Validation of Multi Model Lightning density using observed Lightning data over Indian region

**Slot A Venue: Meghdoot Lecture Hall 2**  
**18 November 2025 (DAY 1) Time: 12:00 – 13:30**  
**Global & Regional Monsoons in a Changing Climate**  
**(1<sup>st</sup> Session – 2<sup>nd</sup> @ Slot B)**  
**Session Chair: Dr. Swapna Panickal, IITM, Pune**  
**Session Coordinator: Shrayasi Samanta**  
**Rapporteur: Dr. Shamal Marathe**

Time	Speaker & Affiliation		Title
12:00 – 12:20	Prof. Simona Bordoni, University of Trento, Italy (Invited)		<i>The Futures of Climate Modeling for Monsoon Research</i>
12:20 – 12:40	Aswathy. R. S. and K. Rajeev, SPL, VSSC (Invited)		<i>Tropopause Penetrating Clouds: Spaceborne Observations</i>
12:40 – 12:55	Kandula V. Subrahmanyam	NRSC	<i>A Shift in the Timing of Peak Indian Summer Monsoon Rainfall</i>
12:55 – 13:10	P. V. S. Raju University	Amity	<i>Enhancing Indian Summer Monsoon Features Using an Optimized CMIP6 Multi-Model Ensemble Approach</i>
13:10 – 13:20	Sandeep Narayanasetti	IITM	<i>Arctic sea-ice decline causes intense summer monsoon precipitation events over South Asia under greenhouse warming</i>
13:20 – 13:30	Aditi Deshpande	SPPU	<i>Clusters of Indian Summer Monsoon Rainfall and Their Synoptic Drivers</i>

**Slot A | Venue: Meghdoot Lecture Hall 1**  
**18 November 2025 (Day 1) 12:00 – 13: 30 IST**  
**Process Studies of Aerosols, Clouds and Precipitation by Observation and Models**  
**(1<sup>st</sup> Session – 2<sup>nd</sup> @ Slot B)**

**Session Chairs: Dr. Kaustav Chakravarty & Dr. Sachin Deshpande**

<b>Time (IST)</b>	<b>Name &amp; Affiliation</b>	<b>Title of the Talk</b>
12:00 – 12:15	Dr. Thara Prabhakaran, IITM, Pune (Invited talk)	Urban Meteorology under Mission Mausam
12:15 – 12:30	Dr. B. Padma Kumari, IITM, Pune (Invited talk)	Integrated Observational Strategies for Aerosol–Cloud–Radiation and Precipitation Processes: Leveraging Testbeds and UAV Systems in India
12:30 – 12:45	V. K. Soni, IMD, New Delhi (Invited talk)	Recent Advances in Air Quality Early Warning Services in India
12:45 – 12:55	Radhika A. Chipade, SAC–ISRO, Ahmedabad	Development and Validation of Scene Classification Algorithm for Space-Based Lidar Observations During Dust Storm Events
12:55 – 13:05	Saikat Sengupta, IITM, Pune	Estimating Raindrop Evaporation Fraction in a Tropical Rain Shadow Region Using Isotope Observations and a Model
13:05 – 13:15	Imlisunup Pongener, Kohima Science College, Nagaland	Seasonal and Regional Variations in the Electrical and Lightning Characteristics of Electrified and Non-Electrified Rainfall During the Pre-Monsoon and Monsoon Periods Over Two Distinct Locations in India
13:15 – 13:25	Shubhi Agarwal, IISER, Bhopal	Investigation of the Characteristics of Land–Atmosphere Interactions During Successive Convective Events Over the Indian Monsoon Region
13:25–13:35	Meteoexperts Solutions	Weather Monitoring Solutions

**Slot A | Venue : Varahamihira Hall**  
**18/11/2025 (DAY 1, 12:00 to 13:30 hrs)**  
**Session: Thunderstorm Dynamics (1<sup>st</sup> Session – 2<sup>nd</sup> @ Slot B)**

**Session Chairs: Dr. Anupam Hazra and Dr. Subrata Kumar Das**

<b>Time</b>	<b>Speaker &amp; Affiliation</b>	<b>Title</b>
<b>12:00 – 12:20 hrs (Invited)</b>	<b>Dr. A. K. Kamra, IITM</b>	<i>The microphysical–dynamical interactions with electrification in thunderstorms</i>
<b>12:20 – 12:40 hrs (Invited)</b>	<b>Prof. G. S. Bhat, IISc Bangalore</b>	<i>Intense Convective Cells over the Indian Region</i>
<b>12:40 – 13:00 hrs (Invited)</b>	<b>Dr. Saji Mohandas, NCMRWF</b>	<i>On the coupling of cloud microphysics with tropical cyclone dynamics</i>
<b>13:00 – 13:20 hrs (Invited)</b>	<b>Dr. P. Mukhopadhyay, IISER Berhampur</b>	<i>Role of Mesoscale Parameterization in Thunderstorm Simulation and Prediction</i>
<b>13:20 – 13:30 hrs (Oral)</b>	<b>Dr. Rupraj Biswasharma, IITM</b>	<i>Assessment of the Indian Lightning Location Network (ILLN) using ground-based and satellite observations</i>

Slot A | Venue : Aryabhata Hall  
18/11/2025 (DAY 1) — Time: 12:00–13:40  
Session: Polar and Cryosphere Studies

Session Chairs: Dr. Anoop Mahajan (IITM) & Dr. Rahul Mohan (NCPOR)

Time	Name & Short Affiliation	Title of Talk
12:00–12:20	Dr. Thamban Meloth, Director, NCPOR,	Cryosphere Changes across the Polar Regions in a Warming Climate ( <b>Lead Invited talk</b> )
12:20–12:35	Prof. Sandeep, IIT Delhi	<i>Polar Sea Ice Loss and Its Remote Impact on the Indian Summer Monsoon: Insights from an Earth System Model</i> ( <b>Invited Talk</b> )
12:35–12:50	Dr. Manish Tiwari, NCPOR	Does Antarctic and Southern Ocean Temperature Affect Indian Monsoon - A Millennial-scale ( <b>Invited Talk</b> )
12:50–13:00	Shubhendu Karmakar, RMC Kolkata / JIS Univ.	Six Decades of Glacier Change in Western Sikkim, Eastern Himalaya (1969–2023)
13:00–13:10	Arnab Mukherjee, NCPOR	Role of Air Temperature on Extreme Arctic Sea Ice Loss Events (2000–2023)
13:10–13:20	Amita Prabhu, IITM Pune	Greenland Sea Ice Decline & Its Influence on Summer Precipitation over the Hindu Kush Himalaya
13:20–13:30	Sourav Chatterjee, IITM Pune & NCPOR Goa	Interaction Between Zonal Currents and Antarctic Sea Ice in the Southern Pacific
13:30–13:40	Avinash Kumar, NCPOR Goa	Record-Low Antarctic Sea Ice Driven by Ocean–Atmosphere Forcing in a Changing Climate

**Slot A | Venue: Monsoon Mission Hall**  
**18/11/2025 (DAY 1) Time: 12:00 to 13:30 hrs**  
**Risk and Vulnerability of Floods and Droughts in India in a Changing Climate**  
**(1<sup>st</sup> Session – 2<sup>nd</sup> @ Slot B)**

**Session Coordinator: Rajib Chattopadhyay**

<b>Time</b>	<b>Speaker &amp; Affiliation</b>	<b>Title</b>
<b>12:00 – 12:30</b>	Roger Pulwarty, WMO, UNDRR, UNCCD	<i>Advancing drought science and risk management: From early warning to resilience (Invited)</i>
<b>12:30 – 12:55</b>	Dr. S. Bandyopadhyay, Director, MNCFC	<i>Geospatial Technology for Comprehensive Drought Monitoring and Management (Invited)</i>
<b>12:55 – 13:10</b>	Dr. Tirthankar Banerjee, BHU	<i>Drought and atmospheric aridity regulate forest fire extremity over the Himalayas</i>
<b>13:10 – 13:25</b>	Gaurav Gangir, IITB	<i>Mapping Drought Vulnerability in India and its States Using TOPSIS</i>

**Slot A | Venue: HPC Lecture Hall**  
**18 November 2025, DAY 1 (12:00 to 13:30 IST)**  
**Session: Ground & Space based Radar application 1<sup>st</sup> Session – 2<sup>nd</sup> @ Slot F)**

**Session Chair: Dr. Padma Kumari & Dr. Madhu Chandra Reddy**

Time	Speaker & Affiliation	Title
12:00 – 12:30	<b>Pavlos Kollias</b> (Invited)	<i>Recent research and applications from the first Doppler radar in space</i>
12:30 – 12:42	<b>Shailendra Kumar</b>	<i>Characteristics of precipitation features during active and break spells over South Asia using space-based observations</i>
12:42 – 12:54	<b>Sachin Deshpande</b>	<i>Structural and evolution-based diagnosis of MCSs in the monsoon core zone through a synergistic use of satellite, radar, and lightning observations</i>
12:54 – 13:05	<b>Kumar Abhijeet</b>	<i>Melting layer characteristics using ART-CPol radar and GPM-DPR observations over the core monsoon zone</i>
13:05 – 13:17	<b>Akhil Srivastava</b>	<i>Fostering skilful forecasts of Southwest Monsoon rainfall using the IMD-HRRR model</i>
13:17 – 13:23	<b>Krishna Priya K</b>	<i>Properties of convective storms during LPS and non-LPS days: Analysis using space-borne radar</i>
13:23 – 13:30	<b>Sunil Kumar Khadgarai</b>	<i>Synergetic approach to develop multi-source precipitation product from high-resolution radar, rain-gauge networks and satellite</i>
13:20 – 13:28	<b>Vaibhav Tyagi</b>	<i>Multi-Platform Radar Observations for 3D Horizontal Wind Field Retrieval: Integrating OSCAT-3 Scatterometer and Ground-Based Doppler Weather Radar wind fields</i>



**[Parallel Sessions Continue]**  
**Slot B | Venue : Meghdoot Auditorium**

**18/11/2025 Time: 14:30 – 16:30**

**Innovations in Weather Prediction & Early Warning System (2<sup>nd</sup> Session – Cont. from Slot A)**

Session Chair:

Time	Speaker & Affiliation	Title
14:30 – 14:50	Dr. Anad Kumar Das, IMD New Delhi (Invited)	<i>The Analysis of Hazard, Risk and Vulnerability for Impact-based Forecasting of Weather Extremes in India</i>
14:50 – 15:10	Dr. R. K. Jeenamani, IMD (Invited)	<i>Major Extremely Heavy Rainfall Events and Cloudburst Cases over Western Himalayas (2023 &amp; 2025): Analysis, Hazards, Impacts &amp; Impact-Based MHEWS</i>
15:10 – 15:25	Abhishek Lodh, SMHI Sweden	<i>Recent Advancements in Ensemble vs. Simplified Extended Kalman Filter Based Land Data Assimilation in the ISBA–HARMONIE-AROME System</i>
15:25 – 15:40	Naresh Krishna Vissa, NIT Rourkela	<i>Role of Multi-Scale Atmospheric Interactions in Governing Tropical Cyclone Movement Over the Bay of Bengal</i>
15:40 – 15:55	ANSHUL CHAUHAN, IMD New Delhi	<i>Risk-Based Warning System for Heavy Rainfall Using Multi-Model Ensemble Forecasts in India</i>
15:55 – 16:10	Anand Shankar, IMD Patna	<i>A Regional Deep Learning Framework for Cyclone Track Prediction Over the Bay of Bengal</i>
16:10 – 16:25	Arundhati Kundu, NESAC	<i>Impact of Lightning Data Assimilation on Forecast of Rainfall Over Northeast India</i>
16:25 – 16:35	Eviden & NVIDIA	<i>Innovations in Weather Prediction &amp; Early Warning System</i>

**Slot B | Venue : Meghdoot Lecture Hall 2**  
**Global & Regional Monsoons in a Changing Climate (2<sup>nd</sup> Session — Repeat of Slot A)**  
**Date & Time: 18 November 2025 (Day 1)**

**Time: 14:30 – 16:30 hrs**

Session Chair: Dr. Sandeep Narayanasetti  
Session Coordinator: Shrayasi Samanta  
Rapporteur: Siddhant Arya

Time	Speaker & Affiliation		Title
14:30 – 14:50	Kieran Hunt (Invited) University of Reading, UK		<i>Wetter, Weaker, and More Frequent Monsoon Low-Pressure Systems in CMIP6 Future Scenarios</i>
14:50 – 15:10	Prof. Toru Terao (Invited) Kagawa University, Japan		<i>Asian Precipitation Experiment: Structures, Goals and Field Campaign</i>
15:10 – 15:20	Sooraj K. P	IITM	<i>Future intensification of Northern Hemisphere Monsoons due to Declining Remote Aerosols</i>
15:20 – 15:30	Madhusai Singuru Mohali	IISER	<i>Declining Peak Monsoon Rainfall Over North India in a Warming Climate</i>
15:30 – 15:40	Praveen V	IITM	<i>Advances in the Simulation of Monsoon Intraseasonal Oscillations and Low-Pressure Systems in IITM-ESMv3</i>
15:40 – 15:50	Thanangka Chutia Bangalore	IISc,	<i>Diurnal Cycle of Indian Summer Monsoon Rainfall in a Changing Climate</i>
15:50 – 16:00	Ramesh Kumar Yadav	IITM	<i>Impact of the Indo-Pacific Warm Pool Warming on Indian Summer Monsoon Rainfall Pattern</i>
16:00 – 16:10	Pratiksha Priyam Baruah Pune	IISER	<i>The Role of Tropical Synoptic-Scale Disturbances in Modulating the Strength of East Pacific Hadley Circulation</i>
16:10 – 16:20	Priya P	IITM	<i>Land Use/Land Cover Changes and Their Impact on Indian Summer Monsoon</i>
16:20 – 16:30	Tiasha Dev	IITM	<i>Spatio-Vertical Evolution of Latent Heating in the South Asian Monsoon: A Two-Decade Satellite–Reanalysis Comparison</i>

**Slot B | Venue: Meghdoot Hall 1**  
**Aerosols, Clouds & Precipitation Processes (2<sup>nd</sup> Session –Cont. from Slot A)**  
**18/11/2025 Time: 14:30 – 16:05**

**Session Chairs: — Dr. Kaustav Chakravarty & Dr. Sachin Deshpande**

<b>Time (IST)</b>	<b>Name &amp; Affiliation</b>	<b>Title of the Talk</b>
14:30 – 14:45	Dr. Suresh Babu, SPL, ISRO (Invited)	Aerosol–Cloud Interaction over Indian Region: Current Understanding and Future Perspective
14:45 – 15:00	Dr. Kaustav Chakravarty, IITM, Pune (Invited)	Indian Precipitation Experiment (IPEX): A Pilot Study to Unravel the Contrasting Microphysical Features of Rainfall Characteristics over the Indian Region during the Monsoon Period of 2025
15:00 – 15:15	Dr. Saurabh Das, IIT Indore	Unravelling Aerosol–Cloud–Precipitation Dynamics: An Observational and Modelling Study of an Extreme Case in Central India
15:15 – 15:25	Dr. M.C.R. Kalapureddy, IITM, Pune	Monsoon Core Zone Cloud Structure and Scattering Regimes: A Lidar–Radar Perspective
15:25 – 15:35	Atul Srivastava, IITM, Pune	Heterogeneity in Aerosol Characteristics over India: Implications to Climate Forcing
15:35 – 15:45	V. Ravi Kiran, NARL Gadanki	A Machine Learning Framework for Identification of Factors Influencing CCN
15:45 – 15:55	A. Asutosh, Aurassure	Assessment of Recent Changes in Dust over South Asia Using RegCM4 Regional Climate Model
15:55 – 16:05	Sonal Kumari, IITM, Pune	Multi-Year Submicron Aerosol Chemical Composition at a High-Altitude Site in the Western Ghats of India
16:05 – 16:15	Nikitabehen N. Makwana, IITM, Pune	Aerosol–Cloud Interactions in MISO Variability: A Key to Better Monsoon Forecasts
16:15 – 16:25	Imolemba Longkumer, IITM, Pune	Improved Detection of Raindrop Size Extremes and Rainfall Parameters Using 2DVD over JWD in Indian Monsoon Conditions

**Slot B | Venue : Varahamihira Hall**  
**18/11/2025 (DAY 1, 14:30 to 16:30 pm)**  
**Session: Thunderstorm Dynamics (2<sup>nd</sup> Session –Cont. from Slot A)**

**Session Chairs:** Dr. Anupam Hazra & Dr. Subrata Kumar Das

<b>Time</b>	<b>Speaker &amp; Affiliation</b>	<b>Title</b>
<b>14:30 – 14:50</b>	<b>Prof. U. C. Mohanty, IITB (Lead Invited)</b>	<i>Thunderstorm Dynamics: Observation, Modelling and Challenges</i>
<b>14:50 – 15:05</b>	Dr. Anthony Jones, UK Met Office <b>(Invited)</b>	<i>Enhanced Modelling Capability Through the UK–India Climate Services Partnership</i>
<b>15:05 – 15:20</b>	Prof. Ashik Paul, University of Calcutta <b>(Invited)</b>	<i>Study of Extreme Weather Events Using the University of Calcutta VHF Radar</i>
<b>15:20 – 15:35</b>	Dr. A. Jayakumar, NCMRWF <b>(Invited)</b>	<i>Advancing Lightning Prediction in India: Transition from Dynamical to Machine Learning Approaches</i>
<b>15:35 – 15:45</b>	Dr. Prashant Singh, Goethe University Frankfurt	<i>Understanding Lightning Activity Over the Third Pole Region Using km-Scale Simulations (2010–2020)</i>
<b>15:45 – 15:55</b>	Dr. Achintya Paliwal, IIT Bombay	<i>Assessing Background Environmental Conditions Influencing Intense Convective Storms</i>
<b>15:55 – 16:05</b>	Dr. U. V. Murali Krishna, IITM	<i>Radar Observations of Pre-Monsoon Convection and Their Association with Lightning in the Core Monsoon Zone</i>
<b>16:05 – 16:15</b>	Dr. Abhay Srivastava, NESAC	<i>Estimations of Electrified Clouds Using Satellite and Lightning Data</i>
<b>16:15 – 16:25</b>	Dr. Yerni Srinivas Nekkali, NIT Rourkela	<i>Thunderstorm Simulation Sensitivity to Cloud Microphysics in the IOLA Framework</i>
<b>16:25 – 16:30</b>	Dr. Vidya S. Pawar, IITM	<i>Binary Collisions of Water Drops in the Presence of Horizontal Electric Fields: Coalescence Efficiency &amp; Fragment Size Distribution</i>

**Slot B | Venue : Aryabhata Hall**  
**18/11/2025 (DAY 1) • 14:30–16:30**  
**Session: Ocean Biogeochemical Processes and Climate**

**Session Chair: Dr. Vinu Valsala, IITM Pune**

<b>Time</b>	<b>Name &amp; Short Affiliation</b>	<b>Title</b>
14:30 – 14:50	Dr. Shamil Maksyutov, NIES, Japan	High-Resolution Inverse Modelling of Greenhouse Gas Fluxes Using Ground-Based Monitoring and GOSAT Observations <b>(Invited)</b>
14:50 – 15:10	Dr. Ibrahim Hoteit, KAUST, Saudi Arabia	The Red Sea: A Natural Laboratory for Biogeochemistry and Climate Interactions <b>(Invited)</b>
15:10 – 15:30	Dr. Kunal Chakraborty, INCOIS Hyderabad	Indian Ocean Carbon Dynamics in a Changing Environment <b>(Invited)</b>
15:30 – 15:42	Dr. Aditi Modi, IITM Pune	Changing Seasonality of Phytoplankton in the Indian Ocean and Monsoon–Ecosystem Linkages
15:42 – 15:54	Dr. Anand Singh Dinesh, IISER Bhopal	Phytoplankton–Light Feedback Delays Marine Heatwave Tipping Points over the Indian Ocean
15:54 – 16:06	Dr. Sandhya Singh, IITM Pune	Atmospheric Trace Gases and Cloud Condensation Nuclei in the Southern Ocean Marine Boundary Layer
16:06 – 16:18	Dr. Faseela Hamza, IITM Pune	Influence of Climate Variables on the Predictability of Small Pelagic Fisheries along the Indian Coast
16:18 – 16:30	Dr. Smitha B. R., CMLRE Kochi	Physics to Fish in the Deep: Seasonal Dead Zones in the Western Bay of Bengal

**Slot B | Venue: Monsoon Mission Hall**  
**18/11/2025 (DAY 1) Time: 14:30 to 16:30**  
**Risk & Vulnerability of Floods & Droughts in India in a Changing Climate**  
**(2<sup>nd</sup> Session — Cont. from Slot A)**

**Session Chair : Rajib Chattopadhyay**

<b>Time</b>	<b>Speaker &amp; Affiliation</b>	<b>Title of the Talk</b>
14:30 – 14:50	Prof. Vimal Mishra, IIT Gandhinagar (Invited)	Increasing flood risk in India under the warming climate
14:50 – 15:10	Prof. Anamika Barua, IIT Guwahati (Invited)	Mapping More Than Hazards: Why Climate Risk Assessment Demands Interdisciplinary Understanding and Action
15:10 – 15:30	Dr. Rajarshi Das Bhowmik, IISc (Invited)	Urban flood risks: forecasting and mitigation
15:30 – 15:40	Poornima Chandra Lekha Posa	Hydrometeorological Pathways to Extreme Floods: The Case of Peninsular India
15:40 – 15:50	Surbhi Vyas	Assessing Flood Risk and Loss & Damage in Assam: A District-Level Analysis
15:50 – 16:00	Dr. Karan Choudhury, MNCFC (Invited)	Risk Management: Digital Public Infrastructure (DPI) and Krishi DSS
16:00 – 16:15	Dr. Ramratan (Invited)	Start-up perspective in Climate Risks
16:15 – 16:30	Discussion / Session Wrap-up	—

Slot B H| Venue : HPC Lecture Hall

18/11/2025 (DAY 1) Time: 14:30 – 16:30 IST

Session: WMO Session on Agrometeorological Applications for Climate Resilient Agriculture

Session Chair: Dr. Nabansu Chattopadhyay

Time (IST)	Speaker & Affiliation	Title of Presentation
14:30 – 14:50	<b>Dr. Orivaldo Brunini</b> , President, Foundation to Support Agriculture Research, Brazil	<i>An Integrated Agrometeorological Information System to Minimize Effects of Climate Change on Agriculture (CIIAGRO_AGROCLIMASP)</i>
14:50 – 15:10	<b>Prof. Flavio B. Justino</b> , Federal University of Viçosa, Brazil	<i>Application of Artificial Intelligence Methods in Sustainable Agriculture and Forestry</i>
15:10 – 15:30	<b>Dr. Nabansu Chattopadhyay</b> , Chairperson, Expert Team on Guide to Agricultural Meteorological Practices (ET-GAMP), WMO	<i>Agrometeorological Aspects on Climate Resilient Agriculture in South Asia</i>
15:30 – 15:50	<b>Mrs. Elena Mateescu</b> , Director-General, Romanian Meteorological Service, Romania	<i>Topic to be confirmed</i>
15:50 – 16:10	<b>Dr. Pete Falloon</b> , Associate Professor in Climate Resilient Food Systems, University of Bristol, UK (Virtual)	<i>Building Climate Resilience and Adaptation in UK Agriculture and Food through Agrometeorology</i>
16:10 – 16:20	<b>Mr. Hideki Kanamaru</b> , Natural Resources Officer (Climate and Disaster Risk Reduction), FAO, Italy (Virtual)	<i>Disaster Risk Reduction and Climate Change Adaptation with Agrometeorology</i>
16:20 – 16:30	<b>Ms. Mariem Alaouri</b> , Head, Agro-meteorology, Hydrometeorology & Sectoral Applications, National Climate Centre, Morocco (Virtual)	<i>From Data to Decisions: An Early Warning System for Climate-Resilient Agriculture and Water Management in Morocco</i>

16:30 to 18:30 IST Poster Session with Tea/coffee

18:30 to 19:30 pm Cultural program

19:30 to 21:30 Dinner by Secretary MoES