













# Inauguration

### WORLD METEOROLOGICAL ORGANIZATION

11<sup>th</sup> WMO Scientific Conference on Weather Modification (Pune | India, 3-7 November 2025)

Website: <a href="https://wmo-11scwxmod.tropmet.res.in/">https://wmo-11scwxmod.tropmet.res.in/</a>
Email: <a href="mailto:wmo-11scwxmod@tropmet.res.in">wmo-11scwxmod@tropmet.res.in</a>

**Venue: Meghdoot Auditorium | IITM Pune | India** 3:00 PM - 4:30 PM (IST) | 2<sup>nd</sup> November 2025

Lighting of the lamp: a symbol of a new beginning, knowledge, and traditional wisdom

Welcome address by Dr. Suryachandra Rao (Director, IITM)

Honouring guests in recognition of scholarship

Remarks by Dr. Estelle De Coning, WMO/WWRP

Address by the co-Chairs of WMO ET Dr. Sarah Tessendorf and Dr. Steven Siems

Address by the Guest of Honor: Dr. M. Mohapatra (DGM IMD)

Address by the Guest of Honor: Dr. M. Ravichandran (Hon. Secretary, MoES)

**Introduction of the Chief Guest** 

Inaugural Address by Chief Guest Dr. Abdulla Al Mandous (WMO President)

Vote of thanks by Dr. Thara Prabhakaran, LOC Chair















## Ice-breaker event

Venue: Goldenrod, Marygold Convention Centre 6:30-8:30 PM (IST) | 2<sup>nd</sup> November 2025

(For Registered Participants and Invitees only)















11<sup>th</sup> WMO Scientific Conference on Weather Modification (Pune, India, 3-7 November 2025)

Sponsored by





Invitation



When: 6:30-8:30 PM on 2nd November 2025

Venue

Opp, Windmill Village Rd, Windmill Village, Bavdhan, Pune, Maharashtra 411021













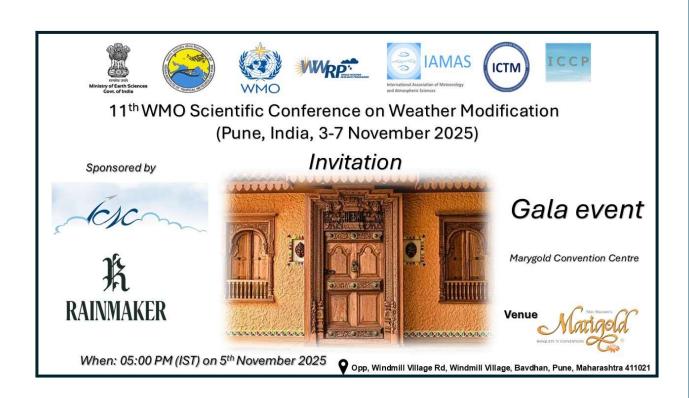


## Gala Dinner

**Venue: Mimosa | Marygold Convention Centre** 

Starting at 05:00 PM (IST) | 5<sup>th</sup> November 2025

(For Registered Participants and Invitees only)

















## ORALS















### DAY1

Registration: 8:30 hrs (IST) onwards

### Session 1: Fundamental aspects of cloud physics as the basis for cloud seeding Part 1

Session Chairs: Dr. Estelle De Coning and Dr. Kamaljit Ray

0930-1000 hrs	Keynote: Jan	Seeding Low Stratus Clouds to Understand
	Henneberger	the Microphysics of Glaciogenic Cloud Seeding
		5556
1000-1015 hrs	Narihiro Orikasa	Cloud droplet formation experiments by
		hygroscopic particle seeding under pristine
		maritime conditions
1015-1030 hrs	Milin Kaniyodical	ROLE OF ISOPRENE-DERIVED SECONDARY
	Sebastian	ORGANIC AEROSOLS IN THE GLACIATION
		OF DEEP CONVECTIVE CLOUDS
1030-1045 hrs	Xiaofeng Lou	The Construction and Field Experiment of
		Aerosol-cloud-precipitation Interaction and
		Seeding Physical Response at Lushan
		Experimental Base for Fog and Cloud
		Physics
1045-1100 hrs	Group Photo + Break	
1100-1130 hrs	Tea break	

## Session 1: Fundamental aspects of cloud physics as the basis for cloud seeding Part 1 (continued)

Session Chairs: Prof. Jaywant Arakeri, Dr. Shiekha John

1130-1200 hrs	Keynote: Alya Al Mazroui	UAE Research Program for Rain
		Enhancement Science (UAEREP)















1200-1215 hrs	Puja Roy	Investigation of Supercooled Cloud Drop Evaporation Through Numerical Modeling at Native Scales
1215-1230 hrs	ARINDAM DAS	Influence of transported aerosols on the cloud microphysical properties during withdrawal phase of southwest monsoon over Western Ghats, India
1230-1330	Lunch break	
	Session Chairs: Dr. Sarah Tess	
1330-1400 hrs	Keynote Roelof Burger	Enhancing Rainfall from Deep Convective Clouds: Current Science, Operational Challenges, and Emerging UAS Technologies
1400-1415 hrs	Greg McFarquhar	Use of Field Campaign Observations Acquired in Vicinity of Houston, Texas to Evaluate How Aerosols Affect Cloud Evolution and Development of Precipitation
1415-1430 hrs	Sachin Patade	Investigating Warm and Cold Rain Processes in Mixed-phase monsoon clouds.
1430-1445 hrs	Ayman Mohammed Albar	Overview of Regional Cloud Seeding Program of Saudi Arabia
1445-1500 hrs	Zhanyu YAO	Evaluation of Chinese Randomized Experiments of Rain Enhancement (CRERE) (2014-2020)
1500-1530 hrs	Tea Break	















### **Session 3: Hail mitigation, fog or rain suppression** Session Chairs: Dr. Ottmar Moehler and Prof. P. Pradeep Kumar Short-term and long-term assessments of 1530-1600 hrs **Keynote: Ali Abshaev** the effectiveness of hail suppression in different regions of the world 4D-Radar-Evaluation of Thunderstorm 1600-1615 hrs **Malte Neuper** development in the context of Hail Suppression missions Hail Mitigation Operations in Styria, Austria: 1615-1630 hrs Satyanarayana Tani History, Advances, Al-Integrated Dashboard, and Operational Insights Characteristics of Hail Clouds and 1630-1645 hrs Observational Evidence of the Effectiveness of Explosion-Induced Hail Suppression Based on Three X-band Dual-Polarization Phased **Hui Wang** Array Radars 1645-1700 hrs AMAGOI: Advancing Weather Modification to Shunji Kotsuki Mitigate Extreme Rainfall Disasters 1700-1830 hrs **Posters** Day 2

### Session 4: Precipitation enhancement studies in shallow/orographic clouds Part 1

Session Chairs: Prof. Roelof Burger and Dr. Alya Al Mazroui

0930-1000 hrs	Keynote: Sarah Tessendorf	Investigating the potential for winter orographic cloud seeding in the western United States
1000-1015 hrs (Online)	Sisi Chen	Winter Orographic Cloud Seeding in SNOWIE: Insights from an Ensemble Simulation Approach
1015-1030 hrs (Online)	Christopher Hohman	Observed and Simulated Physical Responses to Glaciogenic Seeding in an Orographic Cloud during SNOWIE















1030-1045 hrs	Fateme Moradian	Feasibility study and numerical evaluation of the cloud seeding operations for central part of Iran
1045-1100 hrs (Online)	Darrel Baumgardner	Provisional Observations of Pollution Scavenging by Ice Layers (POPSICL)
1100-1130 hrs	Tea Break	
		s in shallow/orographic clouds Part II lbar and Dr. Thara Prabhakaran
1130-1145 hrs	Binod Pokharel	Potential of Cloud Seeding to Enhance Snowfall in the Himalayas: Insights from Utah and Wyoming Programs
1145-1200 hrs	Aroonroth Sricharounchot	Spatial Analysis for the Optimal Site Selection of Ground-Based Cloud Seeding Equipment: A Case Study in Upper Southern Thailand
1200-1215 hrs	Nicholas Dawson	The Liquid Propane Experiment (LPX): Overview, Phase 1 Results, and Phase 2 Plans
1215-1230 hrs	Kandula Subrahmanyam	Orographic precipitating clouds: Structure and Evolution
1230-1330 hrs	Lunch Break	
	ssion 6: Climate intervention/N	
1330-1400 hrs	Keynote: Steven Siems	Marine Cloud Brightening over the Great Barrier Reef during periods of Coral Bleaching















1400-1415 hrs	Minghuai Wang	Deep Learning Insights on Optimal Conditions for Enhancing Radiative Cooling Through Marine Low Cloud Intervention
1415-1430 hrs	Vulker Wulfmeyer Oliver Branch	The Cloud and Precipitation Reactor (CPR) - Intelligent land-use change to enhance precipitation in arid regions
1430-1445 hrs	Asutosh Acharya	South Asian Summer Monsoon under stratospheric aerosol intervention
1445-1500 hrs	Alan Gadian	Marine Cloud Brightening; usage of coded modulation to minimise the risks and unintended consequences of consequential rainfall perturbations.
1500-1530 hrs	Tea break	
	Session 7: Hazard mitigations in the Session Chairs: Dr. Ali Abshaev	, and Dr. Sachin Ghude
1530-1545 hrs	Amadou COULIBALY	Variability of extreme precipitation over Niger River Basin under Solar radiation modification
1545-1600 hrs	Michelle Reboita	Southern Hemisphere extratropical cyclones in climate scenarios with and without SAI
1600-1615 hrs	Moumita Bhowmik	The Challenge of Fog Suppression for Weather Management: Theoretical and Model Studies
1615-1630 hrs	Ehud Gavze	Warm Fog elimination: Methods and a Numerical model
1630-1700 hrs	TBD	
1700-1830 hrs	Posters	
1730-onwards	Dinner hosted by the Director, IITM	Sayaji Hotel















### Day 3

### Session 8: Emerging technologies or new methods for weather modification

Session Chairs: Dr. Findy Renggono and Dr. Padmakumari

0930-1000 hrs	Keynote: Jing Duan	Chinese Aircraft Observational Datasets and Research on the Application of Artificial Intelligence Analysis Methods in Airborne Detection Data
1000-1015 hrs	Duncan Axisa	How intelligent is weather modification?
1015-1030 hrs	Fred Brechtel	Ground, Drone, and Aircraft-based
		Measurement Tools for Aerosol-Cloud
		Interaction and Cloud Seeding Studies
1030-1045 hrs	Xu Zhou	Case Studies and Technological Research
		on the Application of Large-scale UAV
		Systems in Weather Modification
1045-1100 hrs	Marta Nelson	Enhancing Cloud Seeding Efficiency:
		Insights from Particle Size Distribution and
		Flare Design Innovations
1100-1130 hrs	Tea break	

## Session 9: Emerging technologies/new methods for weather modification, Stakeholder engagement

Session Chairs: Dr. Micael Amore Cecchini and Dr. Mahen Konwar

1130-1145 hrs	Jatan Buch	Optimizing cloud seeding with a denoising diffusion model
1145-1200 hrs	Miao Cai	Development of Cloud Parameters with Fengyun Satellites and Its Application in Weather Modification
1200-1215 hrs	Marya Alhomoud	Hydrological Assessment of Cloud Seeding in the Southwestern Region of Saudi Arabia















1215-1230 hrs	Prakash Tiwari	Improving Community Access to Climate Information in Underdeveloped Mountains: An Illustration of Bridging the Gap between Climate-Science and Local Adaptation Needs Through Community Engagement and Communication in Hindu Kush Himalaya
1230-1245 hrs	Supaluck Dasom	ASEAN Weather Modification Centre (AWMC) under the ASEAN Sub-Committee on Meteorology and Geophysics (ASEAN SCMG)
1245-1300 hrs	Mohan Kumar Das	Hydrometeorological Dynamics and Integrated Flood Forecasting System for Eastern Bangladesh: Policy Implications for Resilience
	Lunch break	
	on 10: Stakeholder engagement,  Dr. Sarah Tessendorf, Dr. Or  Koji Tachibana	ELSI panel talks and discussion  mar Al Yazeedi, Dr. Thara Prabhakaran  Understanding Different Perceptions of
Session Chairs:	Dr. Sarah Tessendorf, Dr. Or	mar Al Yazeedi, Dr. Thara Prabhakaran
Session Chairs:	Dr. Sarah Tessendorf, Dr. Or	understanding Different Perceptions of Nature and The Culture-Sensitive ELSI of
Session Chairs: 1400-1415 hrs (Online)	Dr. Sarah Tessendorf, Dr. Or Koji Tachibana	mar Al Yazeedi, Dr. Thara Prabhakaran  Understanding Different Perceptions of Nature and The Culture-Sensitive ELSI of Geoengineering  The Power of Three: Advancing Weather Modification through Government, Science,
Session Chairs: 1400-1415 hrs (Online) 1415-1430 hrs	Dr. Sarah Tessendorf, Dr. Or  Koji Tachibana  Kala Golden	understanding Different Perceptions of Nature and The Culture-Sensitive ELSI of Geoengineering The Power of Three: Advancing Weather Modification through Government, Science, and Industry  Communication and stakeholder















### Day 4

### Session 11: Broader applications/hazard mitigation (Eg. Bushfire/forest fire or avalanche mitigation, cyclone or typhoon mitigation, etc.)

### Session Chairs: Prof. Steven Siems and Dr. Suvarna Fadnavis

0930-1000 hrs (Online)	Keynote: Lulin Xue	Status, Progress, and Direction of Weather Modification and Regional Climate Intervention Research
1000-1015 hrs	MASATAKA MURAKAMI	Numerical experiments on typhoon modification by invigorating non-axisymmetric convection using a cloud seeding method
1015-1030 hrs	Masashi Minamide	A potential pathway to mitigate tropical cyclone intensification onset through multiscale nonlinear interaction
1030-1045 hrs	TBD	
1045-1100 hrs		
1100-1130 hrs	Tea Break	

### **Session 12: Weather forecasting, and nowcasting Decision Support Systems**

### Session Chairs: Dr. Medha Deshpande and Mr. P. Murugavel

1130-1145 hrs	Caleb Steele	Leveraging GOES-R and HRRR for Cloud
		Seeding Operations: A Data-Driven
		Approach to Cloud Microphysical Analysis
1145-1200 hrs	Pascal Oettli	Visualization of Extreme Weather Events
		Scenarios Using Regional Ensemble
		Prediction Data















1200-1215 hrs	Wilawan Kumharn	Developing Tropical Cloud Model of Tropical Storm Soulik and Its Impact on Weather in Thailand
1215-1230 hrs	Daniel Rosenfeld	Retrieving cloud microstructure and seedability over the UAE based on combined cloud simulations and satellite data
1230-1245 hrs	Orestis Panagopoulos	Evaluating NWCSAF Products for Cloud Seeding: Impact of NWP Configurations on Nowcasting Performance
1245-1300 hrs	AVISHEK RAY	Modulation of clouds and precipitation due to aerosol hygroscopicity over Western Ghats, India
1300-1400 hrs	Lunch break	
	Weather forecasting, and now	casting Decision Support Systems
Sess	sion Chairs: Dr. Steven Siems	Assessing Cloud Seeding Effectiveness Using LROSE TITAN: Identifying Seeding
Sess 1400-1415 hrs	ion Chairs: Dr. Steven Siems Ioannis Matsangouras	Assessing Cloud Seeding Effectiveness Using LROSE TITAN: Identifying Seeding Opportunities and Analyzing Storm Evolution  Predicting Cloud Seeding Potential Based on Machine Learning and WRF Forecast Data for Rainmaking Operations in Eastern















1500-1515 hrs	Gerhardt Botha	Advancing autonomous cloud seeding: The RECCES algorithm for targeting convective
		cells
		Cons
1515-1530 hrs	Nitig Singh	Investigation of Bright Band Characteristics
		using L-Band Wind Profiler and C-Band
		Dual-Pol Weather Radar over Rain Shadow
		region
1530-1600 hrs	Break	
Session 14: Inadv	ertent weather modification (	(Urban impacts, contrails, pollution dispersion,
00331011 14. IIIduv		c.)
Sess	sion Chairs: Dr. Rajesh Kun	nar and Dr. Subrata kumar Das
1600-1615 hrs	Chaitali Thali	Assessing the Impact of Maritime Emissions
		on Coastal Weather Patterns and
		Environmental Parameters in Indian Ports
1615-1630 hrs	Micael Cecchini	Aerosol impacts on the populational
		behavior of shallow cumulus clouds over the
		Amazon
1630-1645 hrs	Rajesh Kumar	Quantifying the contributions of aerosol-
1030-1043 1113	Najesii Kumai	radiation interactions contribute to post
		monsoon air quality problem in New Delhi
4645 4760 by		
1645-1700 hrs	AMAL KK	Investigating Urban Land Cover Effects on simulation of Sea Breeze and Severe
		convective storms: A Study Over Chennai
		·
1700-1715 hrs	PRACHI KHOBRAGADE	-
		Regional Precipitation Patterns
1715-1730 hr	Break	
1730-1900 hrs	Posters	















### Day 5

## Session 15: Fundamental aspects of cloud physics as the basis for cloud seeding Part II Session Chairs: Dr. Norikasa and Prof. Greg McFarquhar

0930-1000 hrs	Keynote: Thara Prabhakaran	CAIPEEX - defining opportunity that shaped cloud physics studies in India
1000-1015 hrs (Online)	Manhal Alhilali	Evaluating Cloud Seeding Effectiveness in Convective Clouds with the Advanced Super-Droplet Method
1015-1030 hrs	Weiguo Liu	Introduction of CMA-CPEFS cloud seeding model and its application
1030-1045 hrs	Mahen Konwar	Identifying the seeding signature in cloud particles from hydrometeor residuals
1045-1100 hrs	Sonali Patade	Measurements of ice nucleating particles over rain shadow region of India
1100-1130 hrs	Tea Break	

## Session 16: Fundamental aspects of cloud physics as the basis for cloud seeding Part III Session Chairs: Ms. Mercy Varghese and Dr. Shivsai Dixit

1130-1145 hrs	Ottmar Moehler	Development and operation of AIDA and
		PINE cloud simulation chambers
1145-1200 hrs	Kurt Hibert	Laboratory studies of hygroscopic seeding
1200-1215 hrs	Naruki Hiranuma	Laboratory study on the efficacy of new
		glaciogenic cloud seeding materials
1215-1230 hrs	Shaofeng Hua	Hygroscopic Seeding Simulation Using a
		Superdroplet-Bin Hybrid Microphysical
		Scheme
1230-1245 hrs	Lois Thomas	Large eddy simulations of a convection
		cloud chamber with variable sidewall















		forcing: achieving uniform supersaturation, microphysics, and turbulent mixing
1245-1300 hrs	Xueliang Guo	Optimizing cloud seeding for rain enhancement based on aircraft measurements and modeling
1300-1330 hrs	Closing Remarks	
	Lunch	















## **POSTERS**















Session 1	Fundamental aspects of cloud physics as the basis for cloud seeding Part I
Participant	Abstract Title
Stavros-Andreas	Identification of Potential Targets for Glaciogenic Seeding
Logothetis	Operations Using Satellite and Aircraft Cloud Observations During
	Saudi Arabia's Regional Cloud Seeding Program
Sandhya Jose	Understanding Extreme Precipitation Variability of Indian Summer
	Monsoon through Cloud Microphysical Processes
Marya AlHomoud	Assessment of Cloud Seeding Efficiency in Changing Cloud
	Properties
Udaya Gunturu	What factors contribute to the scanty rainfall in arid and desert
Odaya Gunturu	regions?
Rupraj Biswasharma	Modifications in thunderstorm properties during the COVID-19
	lockdown: the role of pollutants and microphysics
Imolemba	Seasonal and Diurnal Variability of Raindrop Size Distributions over
Longkumer	the Leeward Western Ghats
MERCY VARGHESE	Impact of cloud base aerosol activation on the aerosol cloud
	interaction over a rain shadow region
Anil KumarV	Ice-nucleating particle measurements from two diverse
	geographical locations in India
Leena PP	Microphysics of pre-monsoon clouds as perceived from in-situ
	observation of a high-altitude site in Western Ghats, India
Jing Duan	Integration and Comparative Analysis of Remote Sensing and In
	Situ Observations of Aerosol Optical Characteristics Beneath
	Clouds
K Shri Vignesh	Significance of adding a small fraction of bigger droplets to
	enhance droplet size growth in turbulence
Puja Roy	Impacts of Collision-induced Drop Breakup on Droplet Size
	Distributions using Lagrangian Superdroplet Method
Akshada Kadam	Effects of Entrainment and Mixing on Cloud Microphysics under
	Dry Environmental conditions
Shibani Bhatt	Experimental Investigation of Turbulence in Rayleigh-Bernard
	Convection
Ahmed MOUCHA	Evaluation of Arome Model Forecasts for Cloud Seeding
	Operations: Comparison with In-Flight Measurements.
Sudarsan Bera	In-situ observations of monsoon cloud microphysics over Arabian
	Sea region
Kashmiri Devi	Microphysical parameterization for stratus clouds over western
0 1:1/ " :	ghats, India
Gayatri Kulkarni	Aerosolâ€"Cloud Interactions and Precipitation Enhancement:
	Case Study from the CAIPEEX Hygroscopic Seeding Experiment















Sachin Patade	Influence of Aerosol Loading on the Microphysical Properties of Mixed-Phase Clouds over the Bay of Bengal: Insights from CAIPEEX
	Observations and High-Resolution Numerical Simulations.
Neelam Malap	Dissipation of clouds with hygroscopic cloud seeding during CAIPEEX experiment
Arya Pisharody	Characterizing Refractory Black Carbon in Deep and Shallow Convective clouds: Results from CAIPEEX campaign over rain shadow region
Vidya Pawar	Binary Collisions of Water Drops in Presence of Horizontal Electric Fields: Parameterization of Fragment Size Distribution.
Session 2	Precipitation enhancement studies in deep convective clouds
Raja Boragapu	Study of cloud seeding efficiency through quantifying spatial and temporal variability of seeding effects on supercooled liquid water content using combined NWP and airborne observations over Saudi Arabia
Hwang Yanbin	Randomized effect of artificial catalytic convective cumulus in Hainan island province, China
Ioannis	Evaluating Rainfall Enhancement in the Regional Cloud Seeding
Matsangouras	Program of Saudi Arabia: Summer and Autumn 2022
Ali Abshaev	Results of 5-years rain enhancement experiments using rocket technology
haldaaditya	A Preliminary Study of Evaluation of Cloud Cell Response to Cloud
belgaman	Seeding: Insights from C-Band Weather Radar Data in East Kalimantan Area, August 17, 2024.
0	
Gayatri Kulkarni	Glaciogenic vs. Hygroscopic Cloud Seeding: A Numerical study of their relative impacts
Payoshni Samantray	Thermo-dynamical processes during Periodic Thunderstorms over different physiographic regions of India.
Kuldeep Madhekar	Understanding the Role of Ionized Hygroscopic Aerosols and Ion- Dipole Interaction in Enhancing Precipitation Using UAV-Based Cloud Seeding Systems
Devika MV	Long-Term Changes in the Diurnal Cycle of Deep Convective Clouds Over the Indian Monsoon Region
Hector Arias Rojo	DROUGHT MITIGATION WITH CLOUD SEEDING: EXPERIENCES IN MEXICO
TESNA MARIA	INFLUENCE OF SEA SURFACE TEMPERATURE ON MONSOON EXTREMES OVER THE WEST COAST OF INDIA
Arunkumar R	Understanding of Lightning and Convective Parameters: A Climatological Approach Using ERA5 and TRMM LIS Data.
Uma KN	Storm Dynamics across Monsoon Gateway and Rain Shadow Regions: Insights from long-term Radar Observations and Reanalysis















Darshana Gautam	Role of Aerosol-Cloud Interactions in Enhancing Precipitation: Insights from High-Resolution Simulations of Extreme Events Over
	the Western and Eastern Ghats.
Sachin Patade	High-Resolution Simulation of Glaciogenic Seeding Effects on
Sacilli Fataue	Mixed-Phase Monsoon Clouds over the Rain Shadow Region of
	India
Ajil Kottayil	Emerging Trends in Deep Convective Cloud Dynamics During the
	Indian Summer Monsoon
Ajay Bankar	Enhancing Precipitation Forecasts in Deep Convective Clouds
	using Data Assimilation Techniques
ASHRUBA	Tracking Convective Cell Lifecycle and Cell-to-Cell Interactions in
GHORAPADE	the Monsoon Core Zone using Polarimetric Radar Observations
UdayaKumar Sahoo	Adaptive Fuzzy Logic Hydrometeor Classification for C-Band Radar
	Using Machine Learning-Based Membership Function Estimation
CHIRANJEEVI	The first Indian X band dual polarization Doppler Weather Radar
GUTTULA	network: A study of vertical profiles of radar parameters in a
	convective rain event over Mumbai
Jayesh Dhangar	Lightning Flash count variability over Indian region during different
	phases of Indian Summer Monsoon Season
Session 3	Precipitation enhancement studies in shallow/orographic
D : FA	clouds
Resmi EA	Studying the developments of orographic clouds and rainfall: High
Dain Attacks	Altitude Cloud Observations over Western Ghats, India
Raju Attada	Orographic Precipitation Extremes: Modelling and Observations
SUMESH RK	Microphysical and Dynamical Perspectives of Precipitation
	Enhancement in Shallow Clouds over the Western Ghats
Dahan Hassain	Orography  Satting up of Sub km Saala Madal aver the Sautheast Casatal
Rehan Hossain	Setting up of Sub-km Scale Model over the Southeast Coastal Indian Region
Arunkumar KL	Orographic Sensitivity in Simulating the December 2023 Tamil Nadu Extreme Rainfall
OM KUMAR	Decoding the role of Indian summer monsoon and westerlies in
	cloud cover variability over the Himalayas and Tibet
Ezequiel Hernandez T	THE SINALOA, MEXICO CLOUD SEEDING PROGRAM 2024, USE OF
	HYGROSCOPIC AND GACIOGENIC FLARES.
Session	Hail mitigation, fog or rain suppression
Darko Savic	Seeding effect assessment: description of two supercell storms
	with different seeding levels
Darko Savic	Automation of the hail suppression system in Serbia
Ivan Birovljevic	Enhancing Cloud Seeding Criteria Using Machine Learning
Devender Bishnoi	Drivers Behind Diminishing Trend of Monsoon Depressions over
	Bay of Bengal Influencing Monsoon rainfall over India
Prasanna Lonkar	Investigating the microphysical features of haze and dense fog in
	different regions over IGP















Anupam Hazra	The Challenge of Fog Suppression for Weather Management: Theoretical and Model Studies
Anupam Hazra	Understanding of Microphysical processes for Hail Particle Suppression over India using Triple-moment Microphysics scheme in Numerical Weather Prediction Model
Donali Gogoi	Understanding Cloud base lowering fog using observation, reanalysis and high resolution modeling using DM-Chem
Mamta yadav	Recent years Hailstorm analysis over central India during winter and premonsoon season
Kedar Tahashildar	Changes in Cloud Microphysical Properties induced by firing a Prototype Hail Cannon in Laboratory Simulated Clouds.
Darko Savic	Numerical simulations of aerosol scavenging in deep convective clouds using a three-moment microphysical scheme
Session 4	Hydrological processes, impacts, and assessments
VIKAS KUSHWAHA	Elevation dependent effects of precipitation on river discharge at different spatio-temporal scales
Miao Cai	Quantifying the Cloud Water Resource: Basic Concepts, Quantification Methods and Characteristics
Raja Boragapu	Investigating Causal Relationships between Rainfall and Vegetation Dynamics in the Asir Mountains, Southwest Saudi Arabia
Bhupendra Singh	Catastrophic landslides in the Western Ghats: Hydrological triggers, Risks and Mitigation challenges
Nicholas Dawson	Exploring A Replacement for Wintertime Cloud Seeding Target- Control Benefit Analysis
Saranya Sasidharan	A new approach to Radar Rainfall Estimation using Vertically Integrated Liquid based Reflectivity profile
Tanuja Kango	Elevation-Dependent Climate Trends in the Beas Basin, Northwestern Himalayas
Rani Devi	Role of ENSO and MJO in the Modulation of Heavy Rainfall Event's characteristics over North Eastern India
Sumit Kumar	Convective Dynamics and Hydrological Modeling of the 2023 Delhi Flash Floods Using Coupled WRF-Hydro and X-Band Radar
Sahana CG	Analysing the Impact of Summer Monsoon Rainfall Variability on the Agricultural Productivity in Rainfed Regions of Maharashtra and Karnataka
ZhilLiang Shu	Development of a Localized Atmospheric Weighted Mean Temperature Model for the Liupan Mountain Area
Sudip Kundu	Geospatial assessment of space-based AWiFS derived NDVI pattern with respect to ground-based IMD rainfall data over Assam, India















Puspendu	Geospatial Modeling of Flood Susceptibility in Eastern Bangladesh:
BiswasPaul	Risk Assessment and Hazard Zonation for the August 2024 Flood
Suparya Raj	INVESTIGATING THE ROLE OF SOIL MOISTURE AND
	EVAPOTRANSPIRATION IN MODULATING LANDâ€"ATMOSPHERE
	INTERACTIONS OVER CENTRAL INDIA DURING THE MONSOON
	SEASON
Silpamol DS	Understanding the Precipitation characteristics associated with
Cumana Carleau	the sub-seasonal variability during the Indian summer monsoon
Sumana Sarkar	Multi-Criteria Ensembles for hydro-meteorological analysis of a flash flood event over the megacity of Bangalore
Prajwal K	Impact of Convectively Coupled Equatorial Waves on Extreme
riajwatk	Precipitation Events Over the West Coast of India
CharanTeja Tejavath	Maiden Observations of Precipitation Processes in the
onarani oja rojavatn	Schirmacher Oasis, Antarctica
Aashna Verma	Projected Variability in Water Availability and Potential-
	Evapotranspiration under Climate Change over Varanasi District
	using CMIP6
Praneta Khardekar	Probability Distribution Analysis of Indian Summer Monsoon
	Rainfall and High Cloud Fraction in CMIP6 Projections of a
	Warming Climate
Saloni Sharma	Evolving Cloud Characteristics and Their Climate Linkages and
	Precipitation Implications Over the Indian Summer Monsoon
	Region
Archana Rai	Evaluation of Evapotranspiration partitioning in Noah and CFSv2
Yogesh Kolte	Quantitative Precipitation Estimation over a complex terrain: Dual-polarization X-band radar measurements
Pooja Purushotham	Characteristics of Virga Event from Observations and Numerical Simulation
Abhirami M	Assessing Future Climate Projections: An In-depth Analysis of
	CMIP6 Models on Indian Ocean Warming, Sea Surface
	Temperature Biases, and Precipitation Patterns
Rohini Bhawar	Multisource Analysis of Aerosol–Cloud–Precipitation
	Interactions Using Satellite and Reanalysis Datasets
R Vinnarasi	Tracing Moisture Sources of the 2013 Kedarnath Floods Using a
	Lagrangian Approach: contributions from the Tropics and the
	Middle East
Cassian F	Drander applications/housed mitigation/Fg Duchfire/favortfire
Session 5	Broader applications/hazard mitigation (Eg. Bushfire/forest fire or avalanche mitigation, cyclone or typhoon mitigation, etc.)
Pushpa Rapeti	Influence of Cumulus Parameterization in WRF for Super Cyclone
	Simulation
Harsha P	Understanding Heat Stress and Prediction Tools for India
Rushikesh Adsul	HighResMIP CMIP6-Based Near-Future Projections of Tropical
nusilikesii Ausul	Tilgilhesi iir Ciliro-baseu Near-ruture riojections of Hobicat















Ganadhi	Enhancing trends in the Bay of Bengal pre-monsoon Tropical
ManoKranthi	Cyclone size and the underlying physical processes
Amita Prabhu	Suppression of Summer Monsoon Rainfall over North India: The
	Impact of Indian Ocean Warming, Arctic Sea Ice Decline, and
	Arctic Amplification
Siddhant Arya	Western Disturbances and Their Role in Extreme Weather
	Phenomena: A Reanalysis, Satellite and Radar Based Assessment
JENI VICTOR	Aerosol and cloud microphysics alterations and their influence on
	IGP lightning activity during the COVID-19 Lockdown
Shreyasi Upadhyay	Tibetan Plateau Amplification and its Linkage with Indian Summer
	Monsoon
Halima Akter	Recent trends of cyclonic storm surges scenario in the Southern
	part of Bangladesh.
Prajna Priyadarshini	Disaster Mitigation in the Face of Lightning and Large-Scale
	Weather Patterns
ShipaRani Singha	Assessment of Agricultural Losses Due to the Severe Monsoonal
	Flood in the Eastern Bangladesh, August 2024
Neetak Kumar	Climatology of lightning over Indo-Gangetic Plain and its
	correlation with meteorological indices.
Ying Zhang	Cloud Seeding Effects on Wet Scavenging of Atmospheric Reactive
	Nitrogen Pollutants: A Numerical Modeling Study
AKSHARA NG	UNDERSTANDING THE RAINFALL STRUCTURE OF SEVERE
	CYCLONIC STORM MICHAUNG AND ITS PREDICTION
Madhu Kaundal	Seasonal differences in the trend of tropical cyclone
	characteristics over the Southern Indian Ocean
PragnyaPriyadarsini	Assessing Storm Surge Hazards in India: A Risk-Based Clustering
Pradhan	Approach
MuniraJaman Memy	Spatiotemporal Analysis of Heat Waves and Heat Index Escalation
	Ascribed to Extreme Temperature Increase in South-Central
	Bangladesh (2004–2024)
NAGALAKSHMI	Role of Genesis Location in the Dynamics of Extremely Severe
KATRU	Cyclonic Storm (ESCS) FANI over NIO
Session 6	Inadvertent weather modification (Urban impacts, contrails,
On alain Datil	pollution dispersion, etc.)
Sachin Patil	Understanding the Effect of Aerosol Physicochemical Properties
	on CCN Activation: A Long-Term Observational Study at a High- Altitude Site in India
Dotov I/D	
Betsy KB	Role of Aerosols on Prolonged Extreme Heatwave Events over India and its Implication to Atmospheric Boundary Layer
Dartha Dratim Cagai	
Partha Pratim Gogoi	Modulation of Urban Microclimate and its Ramifications: A Special Reference to outbreaks of Japanese encephalitis (JE) in Assam,
	India
Rajmal Jat	Urban Climate and Air Quality Impacts of open Wasteland in Delhi-
- Najinaciac	NCR: A Modelling Study on Heat Mitigation and Pollution
	Reduction
	Hoddottott















ATUL KUMAR	Influence of meteorological parameters on aerosol size
SRIVASTAVA PRIYAMBADA PALAI	distribution during the winter fog campaign over Delhi
	The Impact of Urbanization on Heat Islands
Prabhat Kumar	Assessing the impact of climate change on future extreme temperature events over major cities of Gangetic Plains
RaviRanjan Kumar	Pune's Heat Stress Puzzle: Interplay of Urbanization, Pollution, and Atmospheric Conditions
HIBA P	Seasonal Variability of Atmospheric Boundary Layer Height over the Indian Subcontinent
Neha Kushwaha	Impact of Built-up Expansion on Local Temperature and Precipitation Over Northern India.
SWATHY GOPALAKRISHNA	Chemical Characterization and Radiative Forcing of PM2.5 and PM10 in a Central Himalayan Location: A Case Study in Ranichauri
Rhituja Bhorade	Urbanization and Inadvertent Weather Modification Over Delhi
SUNILKUMAR KHADGARAI	Identifying the Extreme Rainfall Hotspots over Mumbai: A special analysis using MESONET.
Deewan Bisht	Aerosol chemistry over a central Himalayan site in India: sources and temporal variability
Seetha CJ	Exchange Between Atmospheric Boundary Layer and Free Troposphere Over the Indian Monsoon Region
Preethi Bhaskar	Can a global pandemic modify regional weather and climate
PRAVEEN KUMAR	Air Quality-Climate Interactions in India's West Central Region: Role of EDGAR and SAFAR Inventories in Capturing Seasonal Variability
Deenmani lal	Influence of Atmospheric Moisture and Instability Parameters on Lightning Activity Over Delhi NCR During 2019–2020
HZ Vanlalrochana	Vertical Cloud Distribution over a Tropical Urban Region, Hyderabad
Kethavath Lakshma	Decadal Variability of Boreal Spring Surface Air Temperature over India
Ashish Soni	Anthropogenic Influence on CCN Variability over the Bay of Bengal
Kavita Patnaik	Assessing Heat Wave-Driven Ozone Variability in Delhi
MdNaiem Sarder	Variation in Ambient and Feels-Like Temperature among Different Coastal and Inland Cities in Bangladesh
Swadesh Mohapatra	Assessment of Surface Urban Heat Island over Bengaluru City in India
Session 7	Emerging technologies or new methods for weather modification
Yuzhong Wu	Application of composite wing UAV in weather modification
Ashish Routray	Developed Nested High-Resolution Rapid Refresh Modeling System over the Indian Himalayan Region
Tom DeFelice	On the Autonomous Implementation of Operational Rain Enhancement Maneuvers by UAS















Ezhilarasi S	Next Generation Computing: Evolution of HPC, Al Integration, and Usage of Exascale Platforms in Weather Forecasting and Climate Prediction
Ezhilarasi S	Advancing Evaluation with CSET: A Flexible and Reproducible Approach for UM LFRic Models by Building Trust in Convective and Turbulence-Scale Verification and Development
Sanket Kalgutkar	Measurements of atmospheric turbulence in the lower atmosphere using a fixed wing UAV system of LARUS facility
Abhishek Gupta	Drag scaling in Truly Neutral Atmospheric Boundary Layer Using LES
Mahesh Nikam	UAV-Integrated Radiosonde Telemetry system for atmospheric profiling
Masaya Ishikawa	Ice nucleation activity of plants: species and tissue distribution, characterization and functions.
Ali Abshaev	Studying the possibilities of creating artificial clouds and rain
Roopashree Shrivastava	APPLICATION OF ARIMA TECHNIQUE FOR MONTHLY AND SEASONAL RAINFALL FORECASTS: A CASE STUDY FOR TROMBAY SITE
Randy Seidl	Rainfall Enhancement by Ionization – Eco Alternative to Chemicals and Gas?
Nikitabahen	Machine Learning-Driven Estimation of Superdroplet Growth from
Makwana	DNS Data
Rona MariaSunil	Clustering TEJ regimes and associated rainfall signatures in the Indian summer monsoon
SUNILKUMAR	Synergetic approach to develop multi source precipitation product
KHADGARAI	from high resolution Radar , rain gauge networks and satellite over Mumbai
Pranaba Nayak	Investigating the formation of thunderstorm-induced muon events using the Ooty muon telescope, electric field measurements, and lightning observations over three consecutive springs (2020–2022)
Padmakumari	Instrumented-UAV for Aerosol and Cloud properties: A New Facility
Burrala	for the support of Aerosol-Cloud-Precipitation studies in India
Santhoshkumar G	360° Rotating Ceilometer - The future of Cloud Observation
Sachin Deshpande	Properties of Mesoscale Convective Systems Throughout Their Lifetimes in the Monsoon Core Zone Using Satellite, Polarimetric Radar, and Lightning Observations
Subhrajit Rath	Hybrid Approach: Combining Physical and CNN-Based Cloud Fraction prediction for Enhanced NWP across scale
Biprav Chetry	Portable Cost-Effective Aerosol Particle Analyser Using a Smartphone
Manisha	Objective Identification and Tracking of ZDR Columns in
Tupsoundare	Polarimetric Radar Observations: A Proxy for Deep Convective Updrafts
Yuta Higuchi	Comparative Study of Black-Box Methods in Weather Intervention















Session 8	Weather forecasting, and nowcasting Decision Support Systems
Kandula	Estimating the diameter of deep convective rain cells using C-band
Subrahmanyam	SAR from the EOS-4 satellite and GPM measurements
Ioannis	Applications of NWCSAF in cloud seeding activities in the Kingdom
Matsangouras	of Saudi Arabia
Raja Boragapu	Investigating the performance of major thermodynamic
	parameters and their relevance to determine convection over
	Saudi Arabia
Sarawut Arthayakun	Standardized Spatial Reference for Rainmaking Weather
	Modification Data Integration Based on an Open-Source DGGS
Nandivada Umakanth	Impact of Cumulus and Microphysics Scheme Selection on WRF- Simulated Extreme Rainfall in Hilly Terrain
Sahadat Sarkar	Development and implementation of drop size distribution
	parameterization in GFS model based on observation data from Indian region
PatitaKalyana Sahoo	Characterizing Diurnal Rainfall Variability in Monsoon-Controlled
r attatatyana banbo	Oceanic Domains: Bay of Bengal vs Arabian Sea
Sudhanshu Shekhar	Climate variability and extreme weather events over the Western
	and Central Himalayas
Pribin KP	Challenges and Advances in CMIP6 Simulations of Indian Summer
	Monsoon Rainfall: A Focus on Large-Scale and Convective
	Precipitation
Anupam Hazra	Hygroscopic Cloud Seeding in Warm-rain Processes over Indian
•	subcontinent using Triple-moment Microphysics scheme in
	Numerical Weather Prediction Model
Rashmi Hallad	Integrating Remote Sensing and Machine Learning for Agricultural
	Drought Prediction and Crop Yield Loss Assessment in North
	Karnataka
Junaid Bin Yousuf P	Evaluation of Thermodynamic Indices for Lightning Prediction in India
BIJIT BANERJEE	Assessment of PBL Schemes in the WRF Model Using 212.5 MHz
DISTI DI INVENDE	Wind Profiling Radar for Boundary Layer Estimation Over Complex
	Terrain in Northeast India
KrishnaK Osuri	Microphysical Processes and Thunderstorm rainfall and hail
AngelAnita Christy	Radar-derived and simulated analysis of boundary layer evolution
,	and thermodynamical variations during a thunderstorm event over
	a tropical urban station
Apala Majumder	Performance Assessment Of NCEP and ECMWF 6-24-Hourly
· •	Rainfall Forecasts Against CMORPH Satellite Data For India
Malay Ganai	Sensitivity of enhanced vertical resolution in the operational
-	Global Forecast System (GFS) T1534 on the short to medium range
	forecast of Indian summer monsoon















Tanmoy Goswami	Can a 12-km GFS Model Simulate the Observed Relationship between Cloud Optical Properties and Extreme Rainfall of Indian
	Summer Monsoon?
Kurt Hibert	Development of a Machine Learning System to Emulate WRF
	Forecasts for Thunderstorm Nowcasting in Support of the North
	Dakota Cloud Modification Project
Josin Sanal Thomas	Hail growth detection and early warning from dual polarimetric
	signatures.
Vishal Pathak	Teleconnection between ENSO and Indian Summer Monsoon
	rainfall in the MMCFSv1 and MMCFSv2
Aditi Singh	Prediction of Planetary Boundary Layer Height (PBLH) in Urban
_	Areas – A Machine Learning Approach
Mandar Nikale	Nowcasting of Convective Rainfall using High-Resolution ART CPol
	Radar in the Monsoon Core Zone and X-band Radar Network in
	Mumbai
Reba Halder	Understanding the 2023 Indian Summer Monsoon Through Model-
	Based Analysis of Rainfall and Circulation
Gaurav Govardhan	Decision Support System for Air Pollution Management in the
	National Capital of India
Aravindhavel	Early Detection of Severe Storm using Differential Reflectivity from
Ananthavel	Dual Polarimetric Radar for Nowcasting.
Harshad Hanmante	Convective Clustering and Rain-Type Classification in the Indian
	Monsoon Core Zone: Insights from Dual-Polarization Radar
	Observations and WRF Model Simulations
Bhumika Bhumika	Synopticâ€scale circulations and their impact on Extreme Rainfall
	Events over the North Indian Region.
Nitig Singh	Physics-Based Deep Learning Technique for Urban Rainfall
	Nowcasting: A Case Study of Multi-Source Data Fusion
Narayan Prasad	Impacts of tornado and cloud burst rainfalls in Nepal
Gautam	
Session 9	Climate intervention/Marine Cloud Brightening
Ramesh Kumar	Impact of the Indo-Pacific Warm Pool Warming on Indian Summer
Yadav	Monsoon Rainfall Pattern
SOMNATH MAHATO	Decadal Analysis of LULC Changes in Tamil Nadu and Maharashtra
	in India (2010-2020)
Steven Siems	Sensitivity of cloud-aerosol interactions to varying aerosol
	emissions and spatial distributions across the Great Barrier Reef
	(GBR)
Ankita	Trends in Surface Air Temperatures over the Hindu Kush Himalayas
Joao Ribeiro	Response of Winds and Precipitation in Extratropical Cyclones in
	Experiments with Stratospheric Aerosol Injection
Madhuri Sonawane	Understanding the Impact of Stratospheric Aerosol Injection under
	GeoMIP6 on the Northern Hemisphere Summer Monsoon (JJAS)















Gokul T	Low clouds over the subtropical Indian Ocean in the Mascarene	
	High environment and sub-seasonal circulation associations with	
	the Indian summer monsoon.	
NANDHAKUMAR SK	Atmospheric Impacts of Marine Aerosols: Evidence from South	
	Indian Waters	
Session 10	Stakeholder/policymaker/public engagement and	
	communication	
Praveen Sreedharan	Harnessing Wind Energy During the Monsoon Season:	
	Opportunities and Challenges for India	
Mohit Kumar	Heat Stress Forecast Verification: A trend and variability analysis	
	across time and space	
	·	
STEPHEN OPIYO	Engineering the Skies: An Overview of African Weather	
	Modification Projects and Their Future Potential	
Arnab Chakraborty	Cloud Seeding in India: Developments, Effectiveness, Research	
	Growth, and Global Perspectives	
Kailash Chand	Weather-Agro Advisories: Empowering Trans boundary	
Pandey	Communities in India and Nepal	
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### Sessions and Keynote talks

Session 1 Day 1

3-11-2025 Fundamental aspects of cloud physics as the basis for cloud seeding,

Part I

Session Chairs: Dr. Estelle De Coning and Dr. Kamaljit Ray

Keynote: Jan Henneberger

Seeding Low Stratus Clouds to Understand the Microphysics of Glaciogenic Cloud Seeding

Day 1 Session 1

3-11-2025 Fundamental aspects of cloud physics as the basis for cloud seeding,

Part I (continued)

Session Chairs: Prof. Jaywant Arakeri, Dr. Thara Prabhakaran

Keynote: Alya Al Mazroui

UAE Research Program for Rain Enhancement Science (UAEREP)

Day 1 Session 2

3-11-2025 Precipitation enhancement studies in deep convective clouds

Session Chairs: Dr. Sarah Tessendorf and Dr S. D. Pawar

Keynote: Roelof Burger

Enhancing Rainfall from Deep Convective Clouds: Current Science, Operational Challenges, and

**Emerging UAS Technologies** 

Day 1 Session 3:

3-11-2025 Hail mitigation, fog or rain suppression

Session Chairs: Dr. Ottmar Moehler and Prof. P. Pradeep Kumar

Keynote: Ali Abshaev

Glaciogenic seeding impact on radar and lightning characteristics of hail clouds

Session 4: Precipitation enhancement studies in Day 2

4-11-2025 shallow/orographic clouds

Session Chairs: Prof. Roelof Burger and Dr. Alya Al Mazroui

Keynote: Sarah Tessendorf

4-11-2025

Investigating the potential for winter orographic cloud seeding in the western United States

Day 2 Session 5: Precipitation enhancement studies in

4-11-2025 shallow/orographic clouds

Session Chairs: Dr. Ayman Mohmmed Albar and Dr. Shiekha

Day 2 Session 6: Climate intervention/Marine Cloud Brightening

Session Chairs: Dr. Jing Duan and Dr. Anoop Mahajan

Keynote: Steven Siems [SOSC000221]

Marine Cloud Brightening over the Great Barrier Reef during periods of Coral Bleaching

Day 3 Session 7: Hail mitigation, fog or rain suppression 5-11-2025















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Session	Chairs: Dr.	Ali Abshaev,	, and Dr.	Sachin	Ghude

Keynote: Steven Siems [SOSC000221]

Marine Cloud Brightening over the Great Barrier Reef during periods of Coral Bleaching

Day 3 5-11-2025

Session 8: Emerging technologies or new methods for weather

modification

Session Chairs: Dr. Findy Renggono and Dr. Padmakumari

Keynote: Jing Duan [SOSC000056]

Chinese Aircraft Observational Datasets and Research on the Application of Artificial Intelligence Analysis Methods in Airborne Detection Data

Day 3 5-11-2025	Session 9: Emerging technologies or new methods for weather modification Stakeholder engagement
	Session Chairs:Dr. Micael Amore Cecchini and Dr. Mahen Konwar
Day 3 5-11-2025	Session 10: Stakeholder engagement, ELSI panel talks and discussion
	Session Chairs: Dr. Sarah Tessendorf, Dr. Omar Al Yazeedi, Dr. Thara Prabhakaran

#### Panel discussion: Panel:

- Greg McFarquhar-ICCP President, cloud physics researcher
- Kala Golden –NAWMC member working on outreach/engagement, WMI program manager (previously State of Idaho, so can speak to policy aspects)
- Prof. Steve Siems—WMO ET Co-Chair, wxmod and MCB researcher
- Dr. Nick Dawson–AMS wxmod committee chair, wxmod researcher
- Dr. Koji Tachibana

  –Japan Moonshot program ELSI researcher (remote attendance)
- Dr. Estelle De Coning, WWRP, WMO
- Prof. Roelof Burger
- Dr. Anoop Mahajan, IITM (Chemistry and Climate and geoengineering aspects
- Dr. A. K Kamra (Honoured Cloud physicist), Retired scientist from IITM
- Roxy Mathew Koll (Climate scientist, IITM)

Day 4 6-11-2025	Session 11: Broader applications/hazard mitigation (Eg. Bushfire/forest fire or avalanche mitigation, cyclone or typhoon mitigation, etc.)  Session Chairs: Prof. Steven Siems and Dr. Suvarna Fadnavis	
Keynote: Lulin Xue [SOSC000272] Status, Progress, and Direction of Weather Modification and Regional Climate Intervention Research		
Day 4 6-11-2025	Session 12: Weather forecasting, and nowcasting Decision Support Systems Session Chairs: Dr. Medha Deshpande and Mr. P. Murugavel	
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Day 4 6-11-2025	Session 13: Weather forecasting, and nowcasting Decision Support Systems	
	Session Chairs: Dr. Steven Siems and Dr. Anupam Hazra	
Day 4 6-11-2025	Session 14: Inadvertent weather modification (Urban impacts, contrails, pollution dispersion, etc.)	
	Session Chairs: Dr. Rajesh Kumar and Dr. Subrata kumar Das	
Day 5 7-11-2025	Session 15: Fundamental aspects of cloud physics as the basis for cloud seeding Part II	
	Session Chairs: Dr. Norikasa and Prof. Greg McFarquhar	
Keynote: Thara Prabhakaran [SOSC000002] CAIPEEX - defining opportunity that shaped cloud physics studies in India		
Day 5 7-11-2025	Session 16: Fundamental aspects of cloud physics as the basis for cloud seeding Part III	
	Session Chairs: Ms. Mercy Varghese and Dr. Shivsai Dixit	

Plan





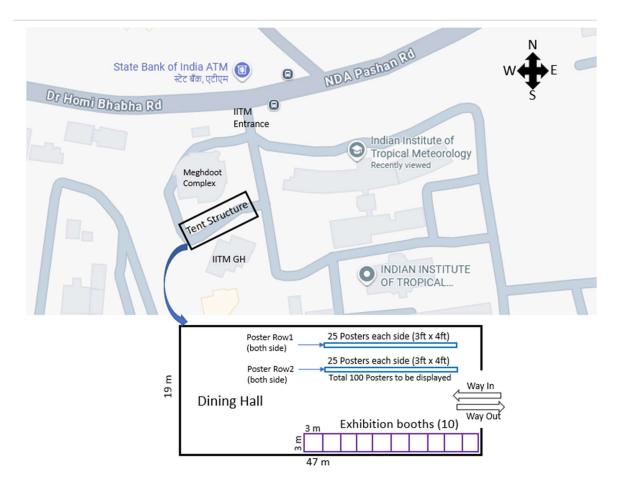












Oral presentations: Meghdoot Auditorium

Audio visuals/ projectors available.

We will require oral presentations to be uploaded before a deadline On-site: presentation slides should be uploaded one day in advance

We will require ET members to chair oral sessions (will be paired with a local scientist from LOC)

There will be designated young scientists making a summary of the sessions We will request a summary of the poster sessions as well.

Presentation guidelines are available

#### **Poster**

Poster boards will be available on site, pins, tapes etc will be available.

It should be 3x4 ft

100 posters can be displayed in the hall outside

100 posters can be in the hall below the Auditorium















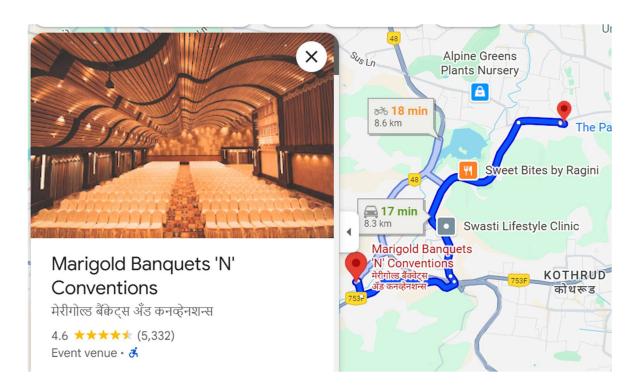


### **Sponsor Booths**

3 m x 3 m sized exhibition booth and will have light, internet, 2 chairs, 2 tables

### **ET Meeting:**

The Separate Hall will be booked and catering will be arranged



The Venue of Ice breaking session and Gala Event













