

Programme Agenda

Day 1: 29.10.2026

Time	Session	Session Objectives	Facilitator
10:30–10:45	Registration & Introduction	Registration and participant Introduction	GIDM
10:45–12:00	Session 1: Urban Flood Management – Challenges and Way Forward	To understand the key challenges of urban flood management, including changing rainfall patterns, urban growth, drainage capacity, design considerations and the need for appropriate planning and policy measures.	Dr. Umamaheshwaran Rajasekar, Urban Resilience Adviser, CDRI
12:00–12:15	<i>Group Photo & Tea Break</i>		
12:15–13:30	Session 2: Urban Flood Risk Governance and Planning	To understand urban disaster-risk governance and how risk reduction can be integrated into city-level planning, development decisions and local actions, with reference to the Sendai Framework, UNDRR's MCR2030 initiative, and selected global good practices.	Mr. Sanjay Bhatia Head, Global Education and Training Institute, UNDRR
13:30–14:30	<i>Lunch Break</i>		
14:30–15:45	Session 3: Rainfall Measurement, Nowcasting and Impact-Based Forecasting	To understand rainfall as a measurable factor in flood analysis and how rainfall observations, nowcasting and impact-based forecasting can support urban flood preparedness and early action.	Director, IMD
15:45–16:00	<i>Tea Break</i>		
16:00–17:00	Session 4: Multi-Sectoral Governance and Policy Alignment for Urban Flood Management	To understand the importance of coordination among urban planning, drainage, water resources, disaster management and other agencies, and how urban flood-risk management can be integrated into City Master Plans and Local Area Plans.	Sh. Paresh Sharma, Former Chief Town Planner, Gujarat

Day 2: 30.10.2026

Time	Session	Session Objectives	Facilitator
10:15–11:15	Session 5: Observing Floods from Space – Satellite Data for Urban Flood Assessment	To understand how optical and radar satellite data can be used for flood mapping and assessment, including the opportunities and limitations of satellite-based flood mapping during the monsoon.	Dr. Gaurav Jain Scientist 'E' SAC, ISRO
11:15–12:15	Session 6: Mitigating Urban Floods: The Critical Role of Reservoir Regulation and Canal Network Management	Role of Reservoir Regulation and Canal Network Management	Dr. M. B. Joshi Water and Environment Specialist [Former CGM (Technical and Coordination), SSNNL]
12:15–12:30	<i>Tea Break</i>		
12:30–13:30	Session 7: Flood Modelling – Approaches, Applications and Limitations	To understand different approaches to flood modelling, their applications and limitations, and how modelling can support flood-risk assessment and planning.	Director, CWC
13:30–14:30	<i>Lunch Break</i>		
14:30–15:30	Session 8: Data and Tools for Urban Flood Risk Assessment	To understand the key data required for flood-risk assessment, including satellite data, rainfall and temperature data, digital elevation models and other relevant spatial information.	Dr. Gaurav Jain Scientist 'E' SAC, ISRO
15:30–15:45	<i>Tea Break</i>		
15:45–16:45	Session 9: Practical Group Exercise – From Flood Risk to Action	To apply the learning from the programme through a practical exercise using available data and tools. Participants will explore relevant government portals such as VEDAS, SAC-ISRO, NRSC and Bhuvan and identify practical flood-risk reduction measures.	Dr. Shashikant Sharma, SE-'G' SAC, Ahmedabad
16:45–17:00	Valedictory Session	Participant feedback, course evaluation, key takeaways, certificate distribution	GIDM
