

National conference on Flood Early Warning for Disaster Risk Reduction
30-31 May 2019, GreenPark Hotel, Hyderabad, India

Jointly Organized by: National Remote Sensing Centre (NRSC), ISRO
&
Central Water Commission (CWC), MoWR RD&GR
Under National Hydrology Project

Programme Schedule

Day 1, 30 May, 2019 (Thursday)

Schedule	Agenda	Details
08:30-09:30	Registration	
09:30-11:00	Inaugural Session	Venue: Peacock Hall
1100-1130	Tea Break	
1130-1300	Session 1 :Flood Early Warning	Chairs : Sri R K Sinha, Member –RM, CWC Dr. VVRao, NRSC Rapporteur : Sri Mohan Kumar, CWC
11:30-11:45	Keynote Address: Flood Early Warning – Indian Perspective Sri R K Sinha, Member –RM, CWC	
11:45-13:00	<ul style="list-style-type: none"> • Role of Space Inputs in Flood Early Warning Dr. KHV DurgaRao , NRSC • Real time Integrated Flood Forecasting for Chennai (Invited Talk) Dr. SubhankarKarmakar, IIT Mumbai • Real Time Decision Support System In Flood Early Warning Sri Anil Vyas , BBMB, Chandigarh • Flood Early Warning System in Bihar (Invited Talk) Sri VyasJi, IAS, BSDMA • Operational Flood Early warning System (FLEWS) Dr. Diganta Barman , NESAC 	
13:00-14:00	Lunch Break	
14:00-15:30	Session 2: Spatial Flood Early Warning	Chairs : Dr. S C ShenoI, Director, INCOIS Sri V Raghu Venkataraman, Director, ADRIN Rapporteur : Sri Rajesh Kumar, CWC
14:00-14:15	Keynote Address: Tsunami Early Warning System in India Dr. S C ShenoI, Director, INCOIS	

14:15-15:30	<ul style="list-style-type: none"> • Real-time Inundation Modelling of Yamuna River using 1-D & 2-D Coupled Models Sri Pranav Shukla, CWC • Current Capabilities for FF&EWS in India Dr. Amit Garg, DHI • Simulation of Flood Inundation and Glacier Lake Outburst Using Remote Sensing and Hydrodynamic Model Dr. Anil Kumar Lohani, NIH Roorkee • Probabilistic Storm Surge Study Along Tamil Nadu Coast. A Case Study on Kalpakkam Dr. Saumendra Nath Kuiry , IIT Chennai • Flood Inundation Mapping &Development ofEarly Warning System For KosiRiver Sri Sanwar Bajiya , AECOM • Flood Early Warning System in Krishna and Bhima basins Mrs. Shailaja A Sulekha , WRD, Maharashtra 	
15:30-16:00	Tea Break	
1600-1730	Session 3: Trends in Hydrological Modeling	Chairs : Dr. V K Dadhwal, Director, IIST Dr. S K Jain, Director, NIH Rapporteur :Sri SimhadriRao, NRSC
16:00-16:15	Keynote Address: Trends and Technologies in Hydrological Modeling Dr. S K Jain, Director, NIH	
16:15-17:30	<ul style="list-style-type: none"> • Impact of Urbanization on Extreme Precipitation (Invited Talk) Prof. Subimal Ghosh, IIT- Mumbai • Folded Dynamic Programming for Optimal Operation of Reservoir for Flood Control (Invited Talk) Prof Nagesh Kumar , IISc, Bengaluru • Short to medium range probabilistic stream flow forecasting using Hydrologic Ensemble Forecast Service Prof. V V Srinivas , IISc - Bengaluru • Flood management in Tungabhadra reservoir- case study for integrated operation of reservoir Sri D Ranga Reddy, Chief Engineer, CWC • Spatial Flood Modelling of Yerrakalva River Basin Dr. B. Venkateshwara Rao, JNTUH • Determination of Capacity of Outfall Pumps using HECRAS Sri Partha Paul , IWD, Govt of West Bengal 	

Day 2, May 31, 2019 (Friday)

Schedule	Agenda	Details
09:00-10:30	Session 4 :Urban Floods and Dam Break Studies	Chair : Prof. PP Mujumdar , IISc Bengaluru Dr. V Bhanumurthy, AD , NRSC Rapporteur : Sri C M Bhatt, IIRS
09:00-09:15	Keynote Address: Urban Floods – Evolving Engineering Challenges Prof. PP Mujumdar , IISc, Bengaluru	
09:15-10:30	<ul style="list-style-type: none"> • Urban Flooding –Present Status and Future Needs (Invited Talk) Dr. Kapil Gupta, IIT Mumbai • Inter Relationship between Timing Parameters Derived From Synthetic Unit Hydrograph Sri Suyash Kamal Sinha, CWC • Urban Flood Simulation - A case study of Hyderabad city Dr. P Manjusree , NRSC • Flood Estimation For dam Break Scenario , Phuktal Landslide Sri Rajesh Kumar, CWC • Application Of GIS In Flood Inundation Mapping Due To Dam Break Sri P Vijayagopal , CWPRS 	
10:30-11:00	Tea Break	
11:00-12:30	Session 5: Extreme Rainfall and Floods	Chair : Dr. K J Ramesh, DG, IMD Sri Ravi Shankar, CE, CWC Rapporteur : Mrs. Rekha Rani, CWC
11:00-11:15	Keynote Address : Hydrological assessment in relation with water & climate services Dr. K J Ramesh, DG, IMD	
11:15-12:30	<ul style="list-style-type: none"> • WRF-Hydro Community Modelling System Dr. David Yates, NCAR, World Bank • Flash Flood Forecast System of India Sri Ashok Raja, IMD • Rainfall prediction using WRF model for flood early warning over North Eastern Region of India Mrs. Rekha Bharali Gogoi, NESAC • Kerala Floods 2018 Challenges & Initiatives For Flood Advisories Sri Sarad Chandra, CWC • Real-time cyclone Event Impact forecasting and risk assessment through Web-based application for Indian coast Mrs. Indu Jain –RMSI 	
12:30-13:15	Lunch Break	
13:15-14:45	Session 6:Emergency Preparedness and Instrumentation	Chair : Dr. Kamal Kishore, Member-NDMA

		Dr. P G Diwakar, Director, EDPO Rapporteur : Dr. K Rama Mohana Rao
13:15-13:30	Keynote Address: Flood Early Warning and Emergency Preparedness(TBD) Dr. Kamal Kishore, Member-NDMA	
13:30-14:45	<ul style="list-style-type: none"> • TNSMART-Tier WebGIS Decision Support System for Strengthening Disaster Management (Invited Talk) Dr. Satyagopal, IAS, Additional CS, Tamil Nadu • Kerala Floods – 2018 (Invited Talk) Dr. Sekhar L Kuriakose, Member Secretary KSDMA • Disaster Management Support Services in Floods & Cyclones Dr. P V N Rao, DD-RSA, NRSC • Airborne LIDAR technology for Generation of High Resolution DEMs Sri P Srinivasulu, NRSC • Role of Bathymetric Survey for Understanding the Underwater Topography Dr. A K Agarwal, UPRSAC 	
14:45 – 15:00	Tea Break	
15:00 – 15:10	Brief summary of the technical sessions	Dr. V V Rao, NRSC
15:10-15:55	<p>Panel Discussions:</p> <p>Gap Areas in Flood Early Warning for DRR and the Way Forward</p> <p>Chair:Lt. Gen. N C Marwah, Member, NDMA</p> <p>Dr. Kamal Kishore, Member-NDMA</p> <p>Sri R K Sinha, Member RM- CWC</p> <p>Dr. S K Jain, Director-NIH</p> <p>Dr. K J Ramesh, DG-IMD</p> <p>Dr. V K Dadhwal, Director-IIST</p> <p>Dr. P G Diwakar, Director-EDPO, ISRO</p> <p>Prof. P P Mujumdar, IISc Bengaluru</p>	
15:55-16:00	Vote of thanks	Sri. M Raghuram, CWC