



**National Workshop on “Impact Based Weather Forecasting”**  
**Pune, India, 30 August - 03 September 2021**  
organized by  
**India Meteorological Department**  
To be held virtually  
**Meteorological Training Institute**  
**India Meteorological Department**  
**IMD Colony Campus, Dr. Homi Bhaba Road, Pashan, Pune-411008**  
**Maharashtra, India**

## **INAUGURAL PROGRAMME**

**Monday, 30 August 2021, 09:30 – 11:00AM**

0930-0935 Welcome to the Dignitaries, Senior Officers & participants

0935-0940 Welcome address by Dr. S Dutta, Head, MTI/RTC-IMD,

0940 -0950 Speech by Dr. D.S. Pai, Head, Climate Research & Services/RCC, IMD, Pune.

0950-0955 Speech by Dr. Sathi Devi, Head, NWFC

0955-1000 Speech by Dr. R K Jenamani, Sc F & Head, RSMC

1000-1030 Virtual self-introduction of participants

1030- 1040 Virtual self-introduction of Resource persons

**1040-1055 Inaugural Speech by Dr. M. Mohapatra, DGM, IMD and PR of India with  
WMO**

1055-1100 Vote of thanks by Shri. Shobhit Katiyar, Sc-C

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**National Workshop on Impact Based Weather Forecasting  
Organized by India Meteorological Department  
(30/08/2021 to 03/09/2021)**



**Day-1 (30th August 2021): Basic concepts of Impact based Forecast (IBF)**

Time	Session	Speaker
0930-1100	Inaugural Program	
1100-1200	Basics of Severe Weather Events, Hazards, Exposure, Vulnerability and and Risk matrix Steps to switch over to IBF.	Dr. R. K. Jenamani, Sc-F
1200-1300	Stages of Developments of Impact based Forecast	Sri Shobhit Katiyar
1300-1415	Lunch	
1415-1500	Impact based Forecast for Tropical Cyclones	Mrs. Sunitha Devi

1500-1600	Impact based Nowcast for Thunderstorm and related hazards	Dr(Ms) Soma Sen Roy
1600-1615	Health Break	
1615-1700	Preparation of Impact based Forecast for district wise rainfall	Mr. Arun Kumar VH
1700-1745	Methods of Computation of Risk Matrix at District level (Heavy Rainfall events)	Mr. Atul Kumar Singh

• **Day-2 (31st August 2021): Impact based Forecast Methodology**

Time	Session	Speaker
0930-1030	Impact based Forecast for Heavy rainfall: Subjective and Objective approaches	Dr R. K. Jenamani,
1030-1045	Health Break	
1045-1130	Methods of Computation of Risk Matrix at City level (Heavy Rainfall events):	Ms. Nitha Sasidharan, RMC Mumbai
1130-1215	IMD Current Guidelines on IBF and RBW	Dr Anand Kumar Das
1215-1300	Impact based Forecast for Heat wave and Cold Wave : District wise	Dr. Naresh Kumar and Akhil Srivastava
1300-1400	Lunch	
1400-1500	Preparation of Impact matrix, Data Sources and Challenges	Shobhiat Katiar, Dr. R.K. Jenamani
1500-1600	Preparation of IBF-Textual and graphical format at met sub-division scale(Demo)	Dr. R.K. Jenamani, Mr Shobhit Katiyar,Dr. Sashikant, Mr. Krishna Mishra and Mr. Surendra Pratap Singh
1545-1600	Health Break	
<b>Technology for Impact based Forecast</b>		
1600-1700	Impact based Forecast through FFGS	Mr. Rahul Saxena, DGM Hydromet
1645-1730	Impact based Forecast for riverine floods	DR AK Das, DGM Hydro



**Day-3 (1st September 2021): Technology for Impact based Forecast (continuing)**

Time	Session	Speaker
0930-1015	<b>No Session</b>	
1015-1115		
1115-1130		
1130-1215		
1215-1300		
1300-1400	Lunch	
1400-1500	GIS for IBF	Dr A.K. Mitra and GIS Team
1500-1600	Preparation of hazards, vulnerabilities and Risk Maps using longer period data of IMD	Dr P Guha Thakurtha CRS IMD Pune
1600-1630	Health break	
1630-1730	Application of Geospatial Technology for natural hazard Impact assessment	Dr Sushil Gupta, RMSI Officer NOIDA

**Day-4 (2nd September 2021): Modeling Approaches and future prospective**

Time	Session	Speaker
0930-1015	Existing modeling Approaches and future prospective (IBF and Hazard models)	Dr.V.S.Prasad, NCMRWF
1015-1100	Modeling of Thunderstorm for its hazard predication (Lightning, Wind and Hailstorm)	Dr Anupam Hazra SC F, IITM Pune
1100-1130	Health break	
1130-1215	Impact based Extended Range Forecast	Dr.D.R. Pattanaik, NWP division, IMD
1215-1300	NWP Modeling of MET Hazards in IMD	Dr.A.K.Das, NWP division, IMD
1300-1400	Lunch	
1400-1445	FHIM and Inundation Modeling-C-FLOWS and I-FLOWS	Dr Usha, NCCR

**Impact Based Forecasting: Sectorial Application**

1445-1530	Impact based Urban Met. Services over Delhi	Dr. V.K. Soni, Sc-F
1530-1545	Health Break	
1545-1630	Landslide (Hazard) Model of GSI and Web based approaches	Dr. Saibal Ghosh, Director, Geological Survey of India
1630-1715	NCMRWF/IITM Lightning Monitoring and prediction system	Dr SD Pawar IITM Pune
1715-1800	Use of INCOIS models for Marine IBF	DR PLN Murthy, INCOIS

**Day-5 (3rd September 2021): Impact Based Forecasting: Sectorial Application (continuing)**

Time	Session	Speaker
0930-1015	Flood hazard impact modeling	Dr Raghu Ashrit, NCMRWF
1015-1100	Impact based Forecast of Heavy rainfall episodes of 2020 and 2021 over Rajasthan and new Challenges	Sh. Radhey Shyam. Sharma MC Jaipur
1100-1130	Health Break	
1130-1215	Impact based Forecast of Heavy rainfall episodes of 2020 and 2021 over Goa and new Challenges	Mr. Rahul M., M.C. Goa
1215-1300	Use of QGIS for Multi-Hazard Impact based Forecasting	Dr HR Biswas and Mr Uma Shankar Das and his team, MC Bhubaneswar
1300-1430	Lunch	
1430-1530	Impact based Forecast System: Status and Future Plan	Dr. M. Mohapatra, DGM, IMD
1530-1630	Panel discussion and Recommendations	Moderated by Dr. R.K. Jenamani and his team
1630	Concluding Session	