



NATIONAL MEET

ON

DISASTER RISK MANAGEMENT: TRENDS AND TECHNOLOGIES

VENUE: HYDERABAD, INDIA

FEBRUARY 27-28, 2023



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Background

Under the Disaster Management Support Programme (DMSP) of Indian Space Research Organisation (ISRO), National Remote Sensing Centre (NRSC) has been playing a key role in providing space-based support in all phases of natural disasters for an effective disaster risk management in the country as per the Sendai Framework.

NRSC has been working in close association with MHA, NDMA, SDMAs, NDRF, CWC, GSI, FSI, etc., in the country for more than two decades towards disaster management in India for floods, cyclones, landslides, earthquakes, forest fires, agricultures drought, etc.

About the Conference:

The conference will focus on the recent trends and technologies and research by various organisations and consists of expert lectures, interactive sessions and panel discussion. New technologies, research gaps, data limitations, knowledge sharing opportunities will be discussed for future course of action for disaster risk reduction.

Objectives

- To create awareness and to bring synergy between all the decision makers, relief commissioners, disaster management officials and researchers in the country and to understand the advanced technological developments in disaster risk management.
- The 2-day national meet is planned towards promoting space technology in implementing the honorable prime minister's 10 point agenda in building disaster resilient country.

Themes

The national meet shall deliberate on the following themes for best technological solutions to disaster risk reduction in the country addressing Prime Minister's 10 point agenda.

Disaster Risk Management:

Multi hazards disaster risk management, a national database for emergency management, relief and rescue operations, the role of earth observation, in DRR, intentional collaboration, satellite communications, best practices in DRR, etc.

Hydrological Disasters

Flood early warning models, spatial flood inundation simulations, GLOF, dam break, urban flood modeling, flash floods, tsunami, digital terrain models, etc.

Meteorological Disasters

Cyclone-genesis, cyclone forecasting, lightning, storm surge modeling, hydro-meteorological. Network, satellite-based rainfall products, Doppler weather radar data, etc.

Geological Disasters

Landslide inventory, landslide susceptibility, landslide early warning, seismic hazard zonation, geodynamics study, etc.

Drought and Forest Fire

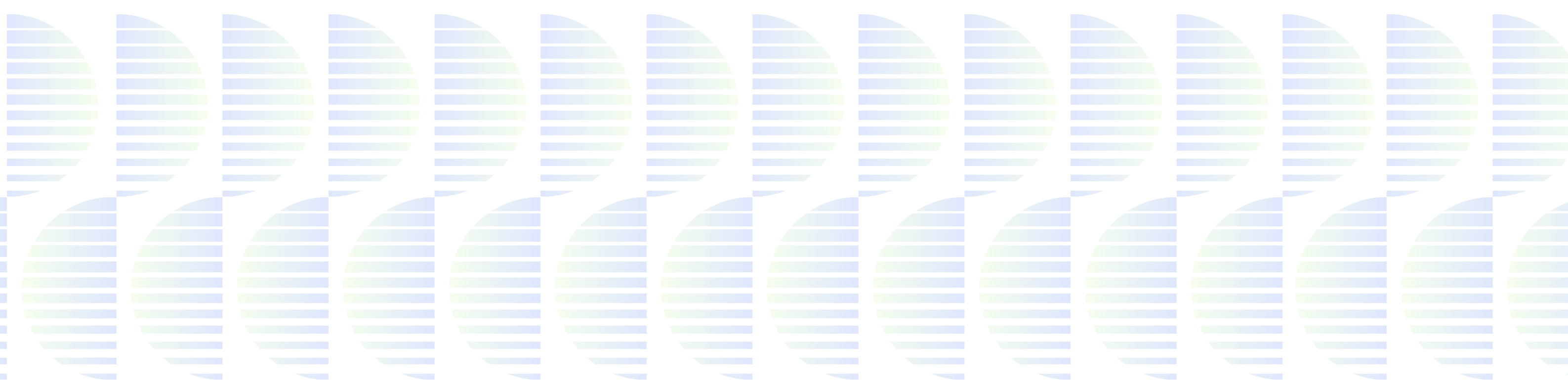
Role of earth observation in agriculture drought risk management, earth observation for active fire detection in forests and stubble burning, forest fire management, rapid forest fire affected area assessment, etc.

Climate Change Impact:

Extreme hydro-meteorological events, climate change impact on extreme events like flash floods, urban floods, lightning, heat and cold waves, etc.

Target Audience:

Scientists, engineers, managers, state holders, researchers, disaster management authorities, and decision-makers working in the field of disaster early warning and response and disaster vulnerability & risk assessment.



National Advisory Committee (NAC)

- Shri S Somanath, Secretary, DoS & Chairman- ISRO (Chairman - NAC)
- Shri Kamal Kishore, Member Secretary, NDMA
- Shri Atul Karwal, Directorate General, NDRF, MHA
- Shri Kushvidner Vohra, Chairman, CWC, MoJS
- Dr. Mrutyunjay Mohapatra, Director General, IMD
- Dr. S. Raju, Director General, GSI
- Shri Anoop Singh, Director General, GSI
- Shri Shantanu Bhatardekar, Scientific Secretary, ISRO
- Shri. Sanjeev Kumar Jindal, Joint Secretary, MHA
- Dr. Prakash Chauhan, Director, NRSC (Convener - NAC)

Local Organizing Committee (LOC)

- Dr. K Vinod Kumar, NRSC (Chairman - LOC)
- Dr. K V Ramana, NRSC
- Dr. N Aparna, NRSC
- Dr. A K Bera, NRSC
- Dr. John Mathew, ISRO
- Dr. V M Chowdary, NRSC
- Dr. G Rajeshekar, NRSC
- Shri S Narasimha Rao, NRSC
- Dr. K H V Durga Rao, NRSC (Organizing Secretary)

