"Disaster Risk Reduction: Challenges and Opportunities for Sustainable Growth"

Session:

"Climate and Disaster Resilient Smart Cities"

Date: Wednesday 28th October, 2015 (4:00 pm-5:30pm)
Venue: Tansen Hall (Scope Complex, 7 Lodi Road, New Delhi, India)

Organised by:

IDRiM FOR A SAFER WORLD

TIFAC TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL
DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVT. OF INDIA

IRADe Integrated Research and Action for Development

Background note

Climate and Disaster Resilient Smart Cities

The economic losses caused by cyclone Hud-Hud in city of Vishakhapatnam was USD 11 billion while in Srinagar losses due to the floods were around USD 16 Trillion. It is evident that we can no longer afford to ignore the huge economic impact of disasters on the cities. Increasing number of extreme events/hazards due to climate change will further increase the vulnerability of the cities. Considering growing vulnerable population and lag in infrastructure and services in the cities, as well as formal protective mechanisms, the **smart cities need to develop resilience** at a much faster pace as huge economic losses occur even if cities do not function for a week. It is urgent and important to **prioritize disaster and climate resilient urban planning for building smart cities in India.**

Objectives of the session

The session will bring national and international experts who are working in area of Urban Resilience, Climate Change and Disaster Management. The session will highlight the issues related to mainstreaming climate change concerns into urban development planning framework for planning smart cities in India.

Outcomes of the session

- Policy level discussions on climate and disaster resilient planning
- Awareness and Capacity building of the stakeholders

About the Organizer

IRADe is designated as the **Centre of Excellence (CoE) for Urban Development and Climate Change by Ministry of Urban Development, Government of India**. Since 2008, the Centre of Excellence has been addressing issues related to urban development and climate resilience in India collaborating with national institutions, state urban departments, municipal corporations, urban local bodies, non-government organizations and academia for capacity building, promoting awareness, research and training on specific topics in the areas of urban development and climate change. IRADe as a CoE has been engaged with more than 30 cities for assessing their vulnerability and climate resilience.

IRADe's engagement with Smart City Mission, GoI (Under ACCCRN project)

The launch of smart city mission which aims at building 100 smart cities in India is considered to be a big opportunity to influence the Indian Government's planning policies for furthering the ACCCRN cause of climate resilient cities and thus, IRADe is building strategies to work for a few of the smart cities in India. Currently IRADe is engaged in preparing two city reports for Ahmedabad and Guwahati Cities on the basis of the smart city framework designed by the organization and approved by City ULBS/Stakeholders. In addition to this IRADe has formulated Guidelines for integrating the Climate Resilience Component into Smart City Plans (SCPs) of Ahmedabad and Guwahati Cities and has proposed a list of solutions required for developing climate resilient smart cities in India.

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Session Details

Theme: Disaster Preparedness: Anticipating and minimizing impacts Session: Climate & Disaster Resilient Smart Cities	
Venue: Tansen Hall (Scope Complex, 7 Lodi Road, New Delhi, India) **Time:** 4:00 pm to 5:30 pm	
Chair: Dr. Jyoti K Parikh, Executive Director, Integrated Research and Action for Development IRADe	
1	Mainstreaming Weather, Climate, Environmental and Geological data/ Information/Knowledge in Planning, Governance and Disaster Risk Reduction of Smart Cities- **Prof. Ajit Tyagi**
2	Mainstreaming Disaster Resilience for Sustainable Development of Cities in India: Case study of Guwahati and Shillong – **Manoj Kumar, Asha Kaushik, Mani Dhingra, Rohit Magotra, Jyoti K Parikh**
3.	Capacity Building for Facing Challenges Due to Earthquake Disaster in Bihar State of India – **Nirmal Kumar**
4.	Ecological Stress Framework for Smart City Planning- **Ajith Kailash and M. Satish Kumar**
5.	Toilet Waste Management in Shelters-**Tomoko Okayama and Hideyuki Ito**