

DRI Technical Conference

Adaptive pathways for Disaster Resilient Infrastructure

12 October 2022

09:30 – 09:45	<ul style="list-style-type: none"> Welcome – Ratnesh Kumar, Senior Specialist, CDRI Opening Remarks – Amit Prothi, DG CDRI Introductions – Moderator 		
09:45- 10:10	UNDERSTANDING THE PROBLEM AT HAND– PERSPECTIVES AND POSSIBILITIES		
10:10- 11:25	<p>Keynote: Perspectives on Adaptive pathways for Disaster Resilient Infrastructure – Jim Hall, Professor, University of Oxford, UK (TBC)</p> <p>Paper presentations:</p> <ol style="list-style-type: none"> <i>Flexible and adaptable strategies for developing sustainable and resilient infrastructure</i> - Mauricio Sánchez-Silva, Professor, Universidad de Los Andes, Columbia <i>Systemic assessment of climate risks and adaptation options for transport networks in East Africa</i> - Raghav Pant, Senior Post-Doc Researcher, University of Oxford, UK <i>Improving resilience outcomes for infrastructure: How to maximize the benefits from disaster and climate risk assessment</i>- Liesl Keam, Climate Change Lead, Partnerships for Infrastructure, Thailand/Australia <i>Changing the valuation paradigm to promote adaptive and resilient infrastructure investment</i> - David Espinoza, Geosyntec Consultants, USA <i>Resilience Performance Assessment (RPA): A framework and decision-making tool to evaluate and follow the resilience of infrastructures and territories</i> - ZIV Nicolas, CEO, RESALLIANCE, France 		
11:25 – 11:45	Tea / Coffee Break		
11:45-13:30	DEEP DIVE		
	1. Beyond Risk Assessments	2. Stakeholder coordination for adaptive pathways	3. Implementation mechanisms for DRI through Adaptive Pathways
	HALL- B	HALL - A	HALL - C
	<ol style="list-style-type: none"> <i>Building Resilience: An Integrated and Dynamic Approach to Assessing Risks and Capabilities</i> - Deepa Srinivasan, Vision Planning and Consulting, USA <i>Adaptive Pathways for Disaster-Resilient Infrastructure – Resilience Assessment as a Fundamental Requirement</i> - Mohammad Rafiq Joo, IIT Bombay, India <i>Multi-hazard Risk Assessment of Coastal Critical Infrastructure in Eastern Economic Corridor of Thailand</i> - Indrajit Pal, AIT Thailand 	<ol style="list-style-type: none"> Empowering Decision Makers to Take Resilient Action Towards Urban Heat Island Mitigation by Developing Multi-Dimensional Climate Model - Parisa Kloss, Resilient Urban Planning and Development (RUPD) GbR, Germany <i>Inclusion of people with disabilities in disaster and climate risk reduction planning: A case of Bhubaneswar, Orissa</i> - Prasanna Bhangdia, National Institute of Urban Affairs, India 	<ol style="list-style-type: none"> <i>Economic analysis framework for climate adaptation investment in land transportation sector with a Thailand case study</i> - Kampanart Silva, National Energy Technology Center (ENTEC), India <i>Earthquake Response Control of Hospital Building</i> - Vasant Matsagar, IIT Delhi, India <i>Solar Disruptions in Space Infrastructure</i> - Kavya Kamepalli, TUM, Germany

	<p>4. <i>“InfraRivChange” – a web-based application to monitor river migration at sites of critical bridge infrastructure in the Philippines</i> - Richard Boothroyd, University of Glasgow, UK</p> <p>5. <i>Spatial decision making on resilient slope infrastructure investments from landslide susceptibility maps</i> - Kshitij Dahal, Himalayan Risk Research Institute, Nepal</p> <p>6. <i>Multi-hazard risk assessment of rail infrastructure in India under local vulnerabilities towards adaptive disaster resilient infrastructure planning</i>- Dheeraj Joshi, University of Tokyo, Japan</p> <p>7. <i>Flood Disaster Risk Assessment for Critical Transportation Infrastructure Under Climate Change</i> - Kapil Gupta, IIT Bombay, India</p>	<p>3. <i>Cost-benefit analysis of Flood Resilient Scenario Modelling (FReSMo) based on a dynamic assessment of coastal flood impact on built infrastructure</i>- Aishwarya Narendr, IIT Kharagpur, India</p> <p>4. <i>Potential of Himalayan Wetlands in Mountain Disaster Risk Reduction under Climate Change</i> - Santosh Subhash Palmate, Texas A&M University, USA</p> <p>5. <i>Comprehending school disaster resilience: Deriving indicators for Risk-Informed School Evaluation Tool</i> - Vipul Nakum, RIKA, India</p> <p>6. <i>Higher education in India and Disaster Resilient Infrastructure: How do we reimagine curriculum, content and delivery for adaptive pathways?</i> - Amir Bazaz, IIHS, India</p> <p>7. <i>Capturing sustainable disaster resilient infrastructure in Bangladesh: An explanatory analysis from Haor and Char region</i> - Muhammad Abdur Rahaman, CPE, Bangladesh</p>	<p>4. <i>Enhancing Infrastructure Resilience Through Structural Health Monitoring</i>- Jafarali Parol, Kuwait Institute for Scientific Research, Kuwait</p> <p>5. <i>Water Stability Test: An Adaptive Tool to Evaluate the Resilience of Geotechnical Infrastructure to Flooding and Water Inundation</i>- Ram Wanare, Institute of Infrastructure, Technology, Research And Management, India</p> <p>6. <i>BGI network efficiency to restore Urban Water System: case study Wazirabad Gurugram India</i> - Atul Kumar, IIT Roorkee</p> <p>7. <i>Exploring The Potential of Urban Open Spaces As A City's Flood Mitigation Infrastructure</i> - NIVYA PC, CDRI, India</p> <p>8. <i>A diagnostic approach to flood resilient Infrastructure in African coastal cities: Lessons and Experiences from Lagos, Nigeria and eThekweni, South Africa.</i>- Olasunkanmi Okunola, UN University Institute for Environment and Human Security, Nigeria</p>
13:30-14:30	LUNCH		
14:30– 15:45	DEVELOPING AN ACTION AGENDA FOR ADAPTIVE PATHWAYS FOR DISASTER RESILIENT INFRASTRUCTURE – DISCUSSION		
15:45 – 16:00	Tea / Coffee Break		
16:00- 17:00	WORLD CAFÉ		
17:00- 18:00	SYNTHESIS OF RECOMMENDATIONS	SYNTHESIS OF RECOMMENDATIONS	SYNTHESIS OF RECOMMENDATIONS
18:00 – 19:00	Free time / Networking		
19:00 – 19:40	Poolside Chat – Organic Conversations on pressing issues		
19:40	Dinner		
Checkout and Departure (8:00 AM on 13 October 2022)			