



Coalition for Disaster Resilient Infrastructure

India- Japan Environment Week

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MONA CHHABRA ANAND

Director, Research and Knowledge Management

Coalition for Disaster Resilient Infrastructure



Launched at the UN Climate Action Summit on 23 September 2019.



CDRI Secretariat is based in New Delhi, India.

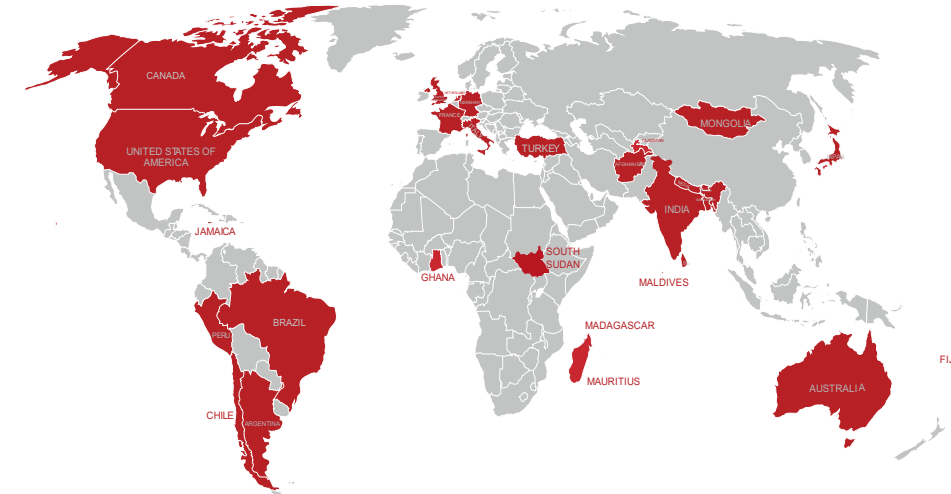


A multi-stakeholder partnership of national governments, UN agencies and programmes, multilateral development banks and financing mechanisms, the private sector and knowledge institutions that aims to promote the resilience of infrastructure systems to climate and disaster risks, thereby ensuring sustainable development.



CDRI Membership

As of December **2022**



31
COUNTRIES

6
INTERNATIONAL
ORGANIZATIONS

2
PRIVATE SECTOR
ORGANIZATIONS

Select Sectoral and Thematic Resilience Programmes

Transport Infrastructure Resilience Programme

Global study on Airports

Phase 1

Perception survey of airport managers on risks and impacts of hazards

- 57 countries and 111 airports
- Key Observations:
 - Access links to airport are a key vulnerability impacting operations.
 - Financial constraint is major challenge for redundancies in infrastructure.
 - To improve adaptive capacity, periodic vulnerability and risk assessments based on reliable datasets are critical.

Phase 2

Focused in-depth study

- 12 airports in 11 countries
- Current practices on infrastructure disaster risk management and resilience
- Existing financing mechanism and resilient investment



Select Sectoral and Thematic Resilience Programmes

Power Infrastructure Resilience Programme

- **Country Programmes**

- India
- Mauritius
- Fiji
- Chile
- Brazil

- **Current focus** on Power Delivery Infrastructure (Generation, Transmission and Distribution)

- Preparedness, Recovery, and Reconstruction
- Risk Assessment, Standards, Governance, Infra Finance and Capacity Development
- Advisories and SOPs for Cyclone/Hurricane affected regions around the world

- **Future Direction**

- Factoring resilience into Net-Zero Transition
- Resilient Hydrogen Infrastructure
- Hydropower: Drought induced stress
- Indo Pacific Region: Coastal Resilience



Select Sectoral and Thematic Resilience Programmes

Telecommunications Sector Resilience Programme

Key Focus Areas:

- **Asset-scale impact:** antennas, data centers, submarine cables, landing stations, etc.
- **Network-scale impact:** reduced transmission capacity, overloading of unaffected assets, localized blackouts;
- **System-scale impacts:** supply chain disruptions, revenue loss to ICT dependent industries, impact on disaster recovery efforts.

Current Initiatives:

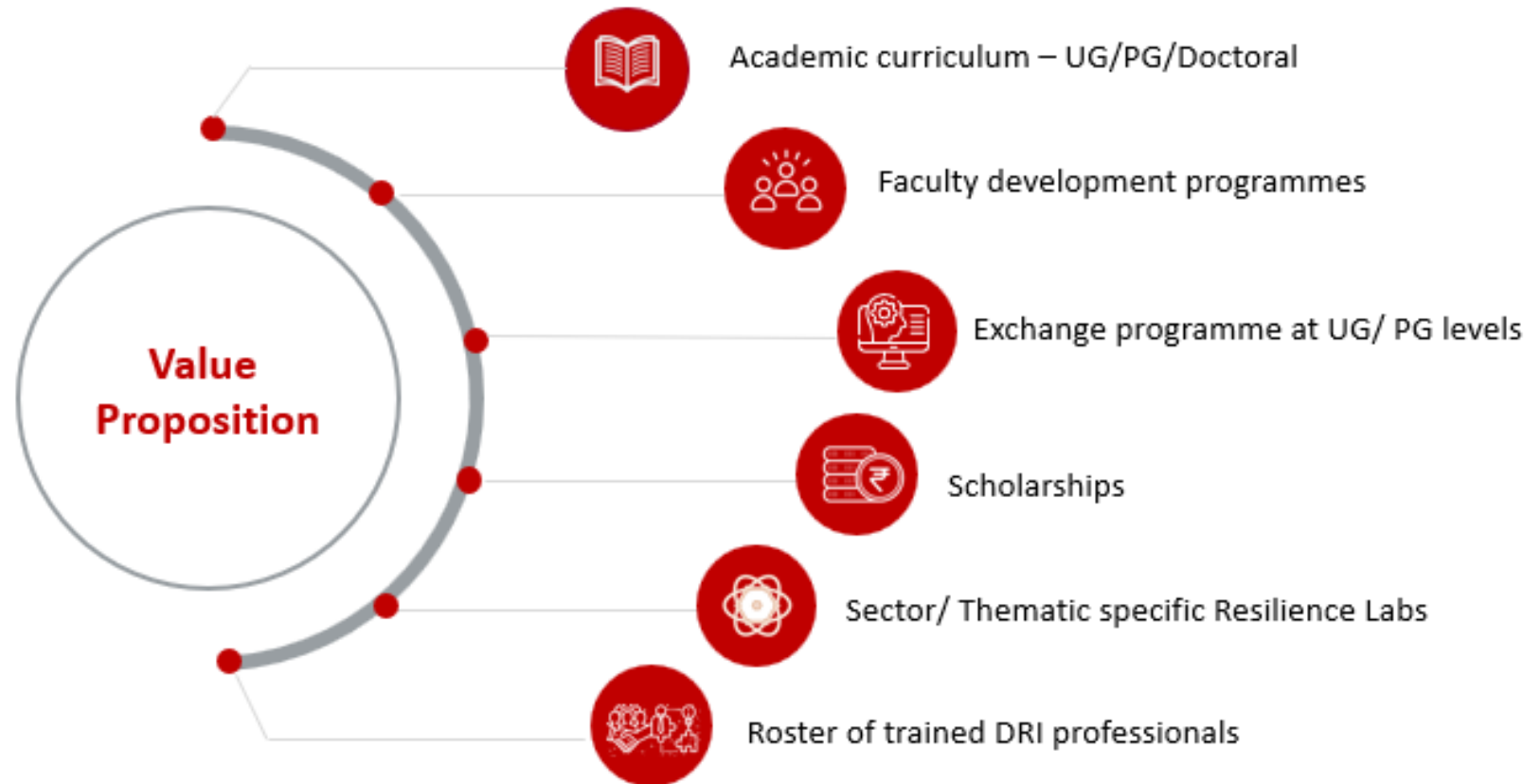
- National and subnational disaster risk and resilience assessment and roadmap for telecommunication sector, India (Assam, Odisha, Tamil Nadu, Gujarat, Himachal Pradesh)
- National disaster risk and resilience assessment and roadmap for telecommunication sector for three CDRI member countries (TBD)



Select Sectoral and Thematic Resilience Programmes

DRI Academic Network

To develop a structured engagement with academic institutions globally for offering value-added education, research opportunities and professional development on DRI.



CDRI Special Issue Publication and Technical Conference



Informing global discourse on climate and DRI through knowledge curation

- *Special Issue Publication* launched at COP27
- *DRI Technical Conference*, 12-13 Oct'22 New Delhi

- **Theme**

Adaptive Pathways for Resilient Infrastructure

- **Partners**

Taylor and Francis, Informa PLC

THANK YOU