



Coalition for Disaster Resilient Infrastructure



Cohort 2024-25 Awardees

LOCAL SOLUTIONS FOR GLOBAL INFRASTRUCTURE RESILIENCE CHALLENGES

THEMES FOR FELLOWSHIP 2024-25



GIRI for Infrastructure
Resilience



Multi-hazard Early
Warning Systems



Resilient Food
Systems



Resilient
Infrastructure to
Withstand Extreme Heat



Climate Resilient
Infrastructure in
High Mountain Regions



Infrastructure
Vulnerability to
Secondary Hazards

Fellowship Amount – **US\$ 15000** | Duration – **12 months**

International Jury



Ms Marjorie Greene
(Retired) Special
Projects Manager at
Earthquake
Engineering Research
Institute (EERI)



Prof Jim Hall
Professor of Climate
and Environmental
Risks,
University of Oxford



Prof Satoru Nishikawa
JICA Senior
Advisor /
Professor, IRIDeS
Tohoku University

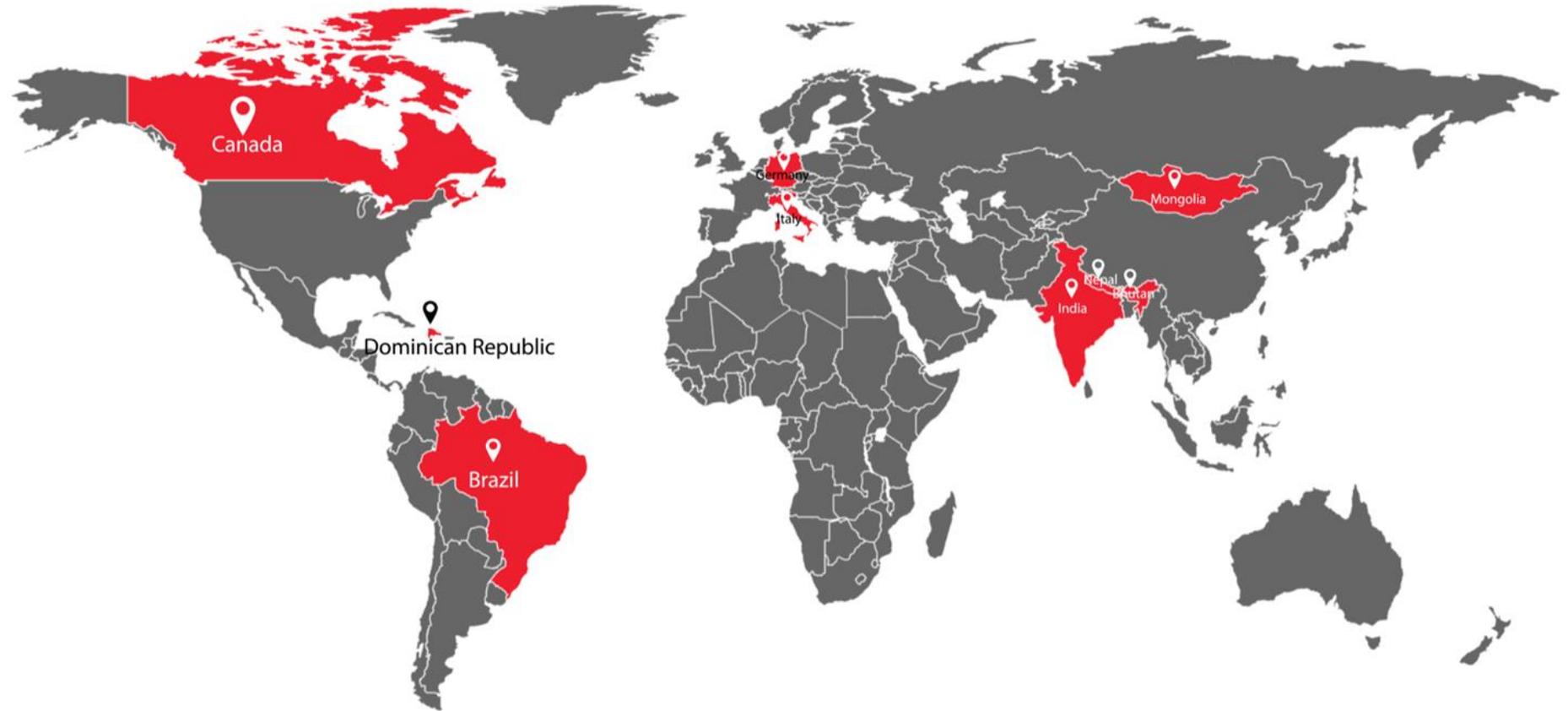


Prof Ravi Sinha
Professor,
Indian Institute
of Technology
Bombay



Dr Janise Rodgers
Chief Executive Officer,
GeoHazards International

20 Fellowship Awardee Teams from 9 Member Countries





Presenting Cohort

2024-2025

Development of Application of Strong Motion Shake Map in Ulaanbaatar City, Mongolia



Battulga Batkhoo

Head of Earthquake Early Warning Laboratory
Mongolian Academy of Science



Dr Tsoggerel Tsamba

Senior Lecturer
Mongolian University of
Science and Technology



Munkh-Ochir Tuvkhun

Student of Civil Engineering
Mongolian University of
Science and Technology

ResilientRio: Approaches to Landslide Safety



**Dr Pedro Henrique
Muniz Lima**

Research Fellow
Universidade do Estado do
Rio de Janeiro (UERJ-Brazil)

Enhancing Community Resilience to Glacial Lake Outburst Flood Risks in the Indian Himalayas



Rinchen Angmu Lama

External Consultant
School of Environment and Sustainability
Indian Institute for Human Settlements



Chandni Singh

Senior Research Consultant
School of Environment and Sustainability
Indian Institute for Human Settlements

Leveraging the Digital Twin Paradigm as a Transformative Approach to Disaster Resilience in Hospital Infrastructure



Dr Mahsa Moghadas

Research Associate
Institute of Geodesy and Geoinformation
University of Bonn

Modeling the Cascading Impact on Food Security due to Debris Flow Induced Disruptions in Mountainous Road Network



Shivam Priyadarshi

PhD Student

Department of Geography
Central University of South Bihar

Unveiling the Ripple Effect: Power Outages and Hospital Service Disruption



Kanchan Mani Dixit

Researcher
Iset Nepal Services



Suresh Bhattarai

Researcher
Iset Nepal Services

Artificial Intelligence-Based Simulator for Decision Making in Risk Management and Climate Emergency Scenarios



Ulises Jáuregui-Haza

Head of the Project
INTEC



Yanelba Abreu

Researcher
INTEC



Juan Salas

Researcher
INTEC



Antonio Torres-Valle

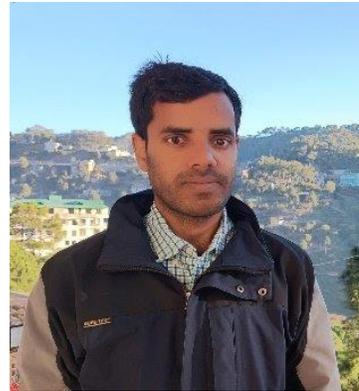
Professor
University of Havana

Enhancing Disaster Resilience through Innovative Fog Monitoring and Forecasting



Prasad Deshpande

PhD Student
Department of Civil Engineering
Indian Institute of Technology Kanpur



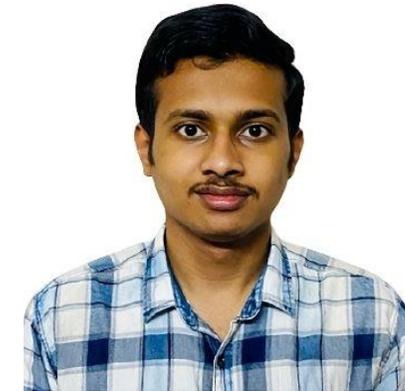
Roshan Banbariya

Project Employee
Indian Institute of Technology
Kanpur



Kriti Bajaj

Data Scientist
Citi Bank, Pune



Yash Patil

MS Research student
Department of Computer Science
and Engineering
Indian Institute of Technology Kanpur

ResilUrban: System Dynamic Model to Assess Resilience of Urban Infrastructure to Climate Induced Hazards in Bhutan



Changa Tshering
Spatial Analyst
Principal Investigator
UNE/BES



Cheku Dorji
Statistician
Kuenden Statistical
Services



Phuntsho Dorji
Urban Planner
Thimphu City Corporation



Tashi Choden
Senior ICT Officer
Data Science and AI Division
GovTech Agency

HEAT SAFE: A Comprehensive HEAT riSk Assessment Framework for Elderly Commuters in a Hot Desert City



Dr Shreya Banerjee

Assistant Professor
Center for Emerging Technologies for
Sustainable Development
Indian Institute of Technology Jodhpur

The Fiscal Impacts of Climate Risks to Infrastructure: A Cross-Country Analysis



Akaraseth Puranasamriddhi

DPhil Researcher
Environmental Change Institute
University of Oxford

Evaluation and Assessment of Geothermal Pavements using C&D Waste with Mechanical Stabilization



Dr Deepthi A
Assistant Professor
Department of Civil
Engineering
Mahindra University



Vamsi K
Research Scholar
Department of Civil
Engineering
Mahindra University

GIGA²: Gigapixel Imaging for Geohazards Assessment and Awareness



Saverio Romeo, PhD
Geologist
ISPRA - Italian Institute for
Environmental Protection
and Research



Alessandro Fraccica, PhD
Geotechnical engineer
ISPRA - Italian Institute for
Environmental Protection and
Research

Seismic Vulnerability and Risk Assessment in Hilly Region (SeisVARA_Hill)



Putul Haldar

Assistant Professor
Indian Institute of Technology Ropar



Jimmy Singh Naorem

PhD Scholar
Indian Institute of Technology Ropar

Evaluating the Seismic Risk of Reinforced Concrete Buildings of Colleges under Royal University of Bhutan Using RVS Method - A Research to Policy Making



Chimi

Lecturer

College of Science and
Technology
Royal University of Bhutan



Tshering Cheki

Associate Lecturer

College of Science and
Technology
Royal University of Bhutan



Pema Wangchuk

Senior Engineer

Department of Planning
& Resources
Royal University of Bhutan



Dr Mahua Mukherjee

Professor

Department of Architecture &
Planning
IIT Roorkee

Community-Centric, Affordable System for Comprehensive Alert and Dissemination of Early Warning (CASCADE) for Floods in Uttarakhand Himalayas



Ms Ambika Dabral
Programme Manager
RIKA Institute Foundation



Dr Pankaj Chauhan
Scientist
Wadia Institute of
Himalayan Geology

Democratizing Flood Monitoring Using Smartphones and Open-Source Tools for Flood Discharge Estimation



Suraj Shrestha

CEO & Environmental Engineer
AB Data Consultant Pvt Ltd



Bipin Dulal

DRR Analyst
ICIMOD



Abhisek Acharya

Managing Director & IT Engineer
AB Data Consultant Pvt Ltd

DEFT: Drought Early Warning and Forecast in the Human-Affected Arid Region



Dr Saran Aadhar

Assistant Professor

Indian Institute of Technology Jodhpur

Designing Resilient and Sustainable Solar Battery Infrastructure (DResi) for High Mountain Areas of Nepal



Anurag Pokharel
Senior Analyst
VRock & Company



Bishwas Basnet
Visiting Faculty
Department of Electrical
Engineering
Tribhuvan University



Manoj Wagle
MSc Scholar
Department of Electrical
Engineering
Tribhuvan University



Saurav Khatiwada
Data Analyst & Reporting
Manager
Aligned Community Care

Enhancement of Disaster Resilience of Critical Infrastructure Relevant to India's Undersea Communications Cables



Commodore Debesh Lahiri (Retd)
Senior Fellow & Former Executive Director
National Maritime Foundation



Soham Agarwal
Associate Fellow
National Maritime Foundation



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Congratulations!
CDRI Fellows 2024-25