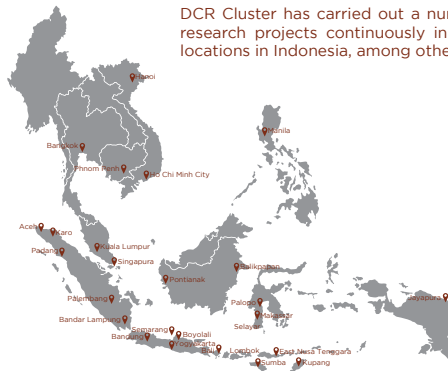


DCR PILLARS



Sutton, S. A., Paton, D., Buergelt, P., Sagala, S., & Meilianda, E. (2022). 'Village' as verb: Sustaining a transformation in disaster risk reduction from the bottom up. *Environmental Science & Policy*, 137, 40–52. <https://doi.org/10.1016/j.envsci.2022.08.009>

ROAD MAP

As part of its vision to enhance research in disaster and climate resilience, RDI's road map focuses on specific areas that need further exploration. Climate change's impact on children is an emerging concern that requires attention, as children are often among the most vulnerable populations in disaster-prone regions. Understanding how climate change affects children's well-being and what measures can be taken to protect and support them is an essential step in building more resilient communities.

DCR ACTIVITIES

Additionally, urban resilience is a critical aspect that the DCR cluster intends to delve deeper into. As urbanization accelerates and more people inhabit cities, understanding how to make urban centers resilient to natural disasters and climate change becomes imperative. By developing strategies for sustainable infrastructure, efficient emergency response, and community engagement, urban areas can become more prepared to withstand various challenges.

PROJECTS

RDI has collaborated with various institutions for either projects or events. Some of the key collaboration include:

1. World Food Programme (WFP): Assessing the Plausible Future Climate Impacts on Livelihoods and Food Security and Co-Production of Climate Adaptation Options for CLEAR+
2. AHA Centre: ASEAN Standards and Certification for Experts in Disaster Management (ASCEND) Toolboxes Implementation & Evaluation
3. ASEAN Secretariat: Disaster Management Advisor for The ASEAN Socio-Cultural Community (ASCC) Research and Development Platform
4. UNDP: Disaster Risk Financing Insurance (DRFI) Strategy Review and Roadmap
5. Center for Disaster Protection: Expanding and Improving Disaster Risk Financing Insurance (DRFI)

6. USIP: The Implications of Climate and Environmental Change on Migration and Displacement
7. IOM: Envision Climate Human Mobility in Sub-national and National Level of Indonesia
8. UNICEF: Integration of Adaptive Social Protection Financing Strategy into The DRFI Strategy and Considerations for The Ministry of Finance Regulation on Disaster Pooling Fund
9. KONEKSI: Towards Future-Proof Society: Adaptive Social Protection Against Climate Change

2021

Community Resilience :

1. Understanding the Complexity of Displacement Risk
2. Partners for inclusion: Localising Inclusive Humanitarian Response
3. Localisation Approach of Inclusive Disaster Risk Reduction
4. Safe School in Disaster Risk Reduction
5. Enhance Food Security in the Disaster Crisis

Resilient Infrastructure:

1. Developing framework to upscale the implementation of Nature-based solutions
2. Identifying the potential of Nature-based Solution to address the impact of climate change
3. Increasing public understanding of Nature-based Solutions value planning in pandemics
4. Early warning system to multi-hazard for community resilience

Risk Governance and Financing:

1. Forest Fire Management: Transboundary Haze Pollution and effect in SEA
2. Formulating Adaptive Social Protection Roadmap
3. Ecological resilience of Nature for Sustainability
4. The Governance of Pandemic After-Effect

Transboundary Hazards :

1. Roadmap, knowledge and data management for governance of geological hazard
2. Risk governance based on spatial analysis on COVID-19

2022

Community Resilience :

1. Enhance Durable Solution to Address Disaster Displacement Risk
2. Strengthen the Governance in Inclusive Disaster Risk Reduction
3. Social Capital & Community Cohesion in the Disaster Management Phase
4. Integrating Human Rights for CCA-DRR

Resilient Infrastructure:

1. Integrating computational approach to modeling nature-based solutions
2. Assessing local knowledge approach for leveraging nature-based solutions
3. Resilient shelter and settlement for systemic risk
4. Adaptive & resilient infrastructure, including regional and transborder

Risk Governance and Financing:

1. Mainstreaming Disaster Risk Financing & Insurance
2. Mainstreaming Adaptive Social Protection in Indonesia
3. Reviewing Intervention of Resilience Impact Assessment
4. Environment and Forestry Resilience
5. Resilience Management in Aftermath of Pandemic

Multi-Hazard Preparedness:

1. Data, Risk Assessment, Integrated Data Management for geohazard resilience
2. Bandung Seismic Cities
3. Health Impact of Climate Change
4. Regional Disaster Management Expert Capacity Enhancement
5. Multi-Hazard Risk Management in ASEAN

Emergency Management

1. Disaster Management Enhancement Against Public Health Emergencies Operations
2. Making Innovative Disaster Risk Financing Work in ASEAN
3. Disaster Loss and Damage from Climate-Induced Hazards in ASEAN
4. ASEAN Supply Chain Infrastructure Resilience

2023

Community Resilience :

1. Strengthen the Governance in Disaster Displacement Risk Issues through Advocacy Initiatives on National & Regional Level
2. Disaster & Climate Change's Impact on Community Well Being and Livelihood
3. Understanding Citizen Exposure on Multi-hazard Event
4. Deploying Resilience Measurement and Impact Assessment at Local level

Resilient Infrastructure:

1. Upscaling NBS practices to address disaster risk reduction
2. Resilience in Codes, Standards and Regulations for Buildings, Infrastructure, and Land Use Systems
3. Critical Infrastructure Resilience and Knowledge of Emerging Technologies

Risk Governance and Financing:

1. Advocating Collaborative Governance to Achieve Climate Financing
2. Fostering ASP Roadmap Implementation in Indonesia
3. Bridging The Gaps of Disaster Risk Insurance
4. Strengthening Private Sector Engagement in Building Systemic and Sustainable Finance Governance
5. Deploying Resilience Measurement and Impact Assessment at Local level

Multi Hazard Preparedness

1. Analysis on multi-hazards interaction Multilayer impact of climate change
2. Technological approach for multi hazard early warning platform
3. A preparedness approach: establish database of potential non-tectonic tsunamigenic

Emergency Management

1. Response strategy and capacity for emergency management in local, national, and regional level
2. Smart & systematic early actions in regional context
3. Temporary shelter plan and programme for the affected community
4. Assessing the role of regional humanitarian response team in emergency management

2024

Community Resilience :

1. Understanding Citizen's Exposure to Multi-hazard Event
2. Disaster & Climate Change's Impact on Community Well-Being and Livelihood
3. Deploying Resilience Measures at Local level
4. Strengthen the Governance in Disaster Displacement Risk Issues through Advocacy Initiatives on National & Regional Level

Resilient Infrastructure:

1. Strengthening Institutional Governance of NBS practices for DRR and the Enhancement of Private and Community Involvement
2. Building Strategies to Implement Codes, Standards and Regulations for Resilient Buildings, Housing, Infrastructure and Land Use Systems
3. Fostering Critical Infrastructure Resilience by Leveraging Knowledge of Emerging Technologies
4. Deploying Resilient Infrastructure in Community Level

Risk Governance and Financing:

1. Fostering Collaborative Multi-level Governance in DRM at sub-national, national, and global level
2. Promoting risk-informed decision-making process through institutional capacity and comprehensive monitoring and evaluation system
3. Fostering ASP Implementation
4. Bridging The Gaps of DRFI
5. Strengthening Private and Informal Financing Schemes/Solutions for Resilience

Multi Hazard Preparedness

1. Analysis on multi-hazards interaction
2. Forecast-based planning for multi-hazards preparedness
3. Upscaling MHEWS and integrate with early action

Managing Emergency Response

1. Fostering the capacity of humanitarian actors in disaster management
2. Empowering post-disaster needs assessment in emergency response
3. Managing Humanitarian Logistics and Supply Chain
4. Integrating EOC Schemes in National and Local Levels
5. Shelter and settlement plan and programme for the affected community