Resilience
Development
Initiative

Annual Highlight

2024



Dr Elisabeth Rianawati
Director of Resilience Development Initiative

Foreword

The year 2024 marks 18 years since the establishment of the Resilience Development Initiative (RDI) as a recognized global think tank. As we evolve, our commitment remains steadfast in conducting high-quality research on resilience and sustainable development at both national and global levels. We recognize that achieving this mission is not a solitary effort but a collective endeavor. Therefore, we actively expand our network, fostering collaboration with government agencies, international organizations, NGOs, and fellow think tanks. We firmly believe that collaboration lies at the heart of advancing our mission.

Over the past year, we have undertaken a wide range of initiatives, reaching significant milestones that reflect our expertise and dedication to excellence in consultancy and research. As of early 2025, we have collaborated on over 50 projects with renowned global organizations. Our work has explored various critical and emerging topics, including disaster risk reduction, climate displacement, global health, sustainable financing, clean and just energy transitions, waste management, public transportation, gender and social inclusion, and social protection, among other pressing issues.

As we look back on 2024, we are excited to share the expansion of our global networks. Over the past year, we have strengthened our international presence, forging meaningful connections in Indonesia, Nepal, the Netherlands, Ireland, Italy, the United States, and Australia. These partnerships have paved the way for valuable collaborations on both ongoing and future initiatives. Notably, we have established collaborations with esteemed institutions such as the Global Water Partnership (GWP) Southeast Asia, the Stockholm International Water Institute (SIWI), and the Coalition for Disaster Resilient Infrastructure (CDRI), among others.

On behalf of RDI, I extend my heartfelt gratitude to our advisory board, researchers, fellows, associates, partners, and the entire RDI team for their unwavering support and contributions. We look forward to further strengthening our collaborations with governments, NGOs, think tanks, and the private sector to advance resilience and sustainability worldwide.

Dr. Elisabeth Rianawati
Director

Contents

A Glance at RDI 1

Research Clusters and Centers 2

RDI in Numbers 3

Execution Plan - Cluster and Center 4

Key Moments 5

Map of Our Activity Area Coverage in 2024 11

RDI Knowledge Hub 12

Achievements (per K-hub) 14

RDI Roadmap (2025-2030) 19

Social Media Report 20

Closing 20

A Glance at RDI

Resilience Development Initiative (RDI) is a global think-tank that promotes sustainable development and resilience-building efforts in communities facing challenges such as disaster, climate change, urban development issues, waste and pollution, clean energy development challenges, and social vulnerabilities. We collaborate with various stakeholders, including government agencies, NGOs, academic institutions, and community organisations, to design and implement innovative solutions for building resilience and mitigating risks.













Research

Clusters and Centres

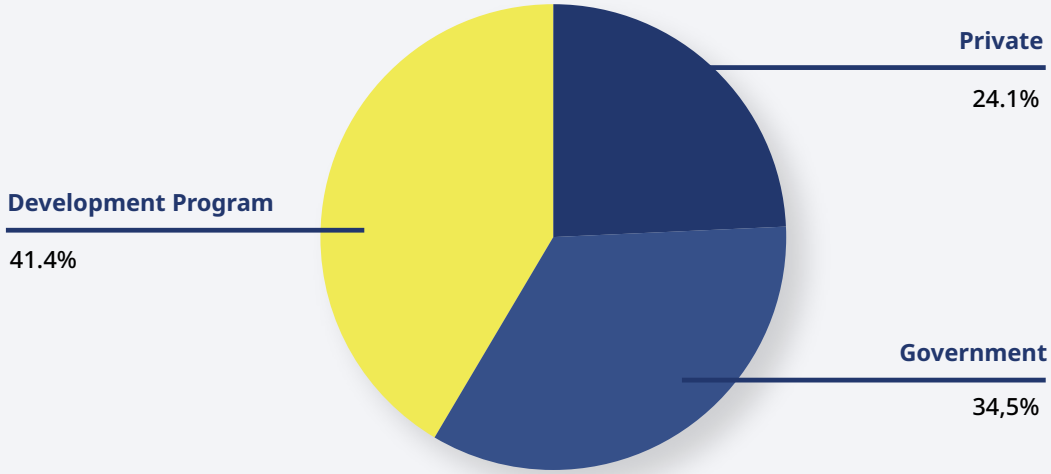
We have seven (7) research clusters, five (5) established centres, and one (1) centre launched in 2025, focusing on pivotal areas in sustainable development and resilience studies. These clusters and centres comprise a diverse team of experts and researchers spanning various disciplines, including social, economic, environmental, and cultural studies. Beyond their research functions, these clusters and centres serve as dynamic platforms for idea exchange, research exploration, and the promotion of robust collaborations with external organisations and communities.



RDI in Numbers

8	36	5
Research	Consultancies	Training

RDI Clients



Publications

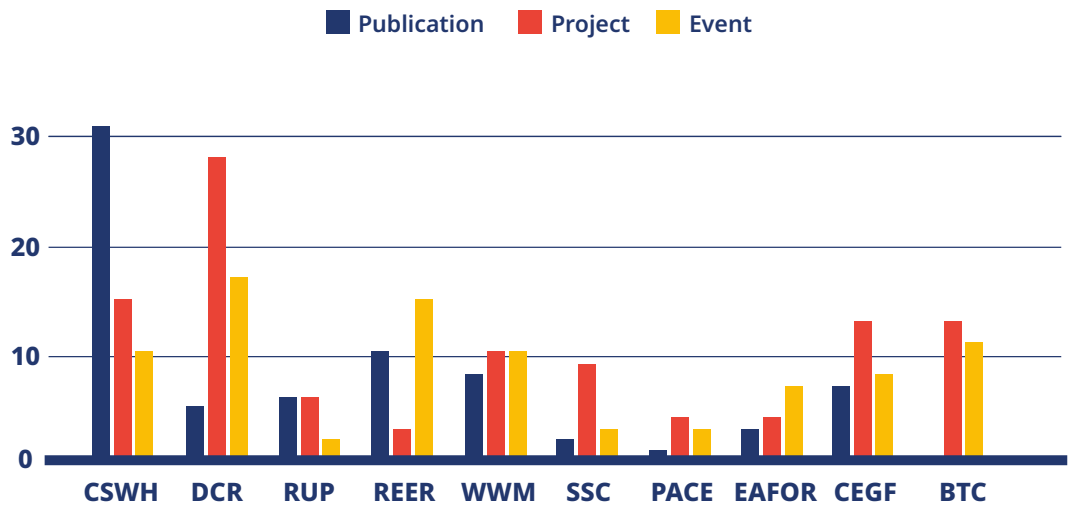
9+ Policy Brief	3+ Popular Publication	3+ Webinar	4+ Journal Article
31+ Op-Ed	2+ Working Paper	1+ Proceeding Series	2+ Book Chapter

Events

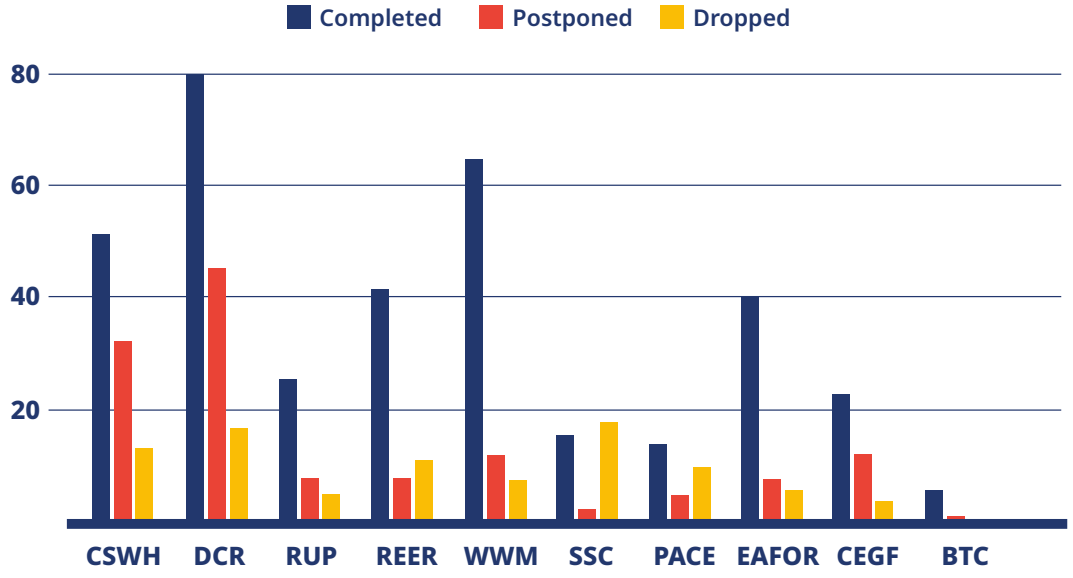
55+ Events	9+ Guest Lecture	3+ Training and Capacity Building
9+ Webinar	8+ Workshop	7+ Seminar and Conference

Execution Plan

Work Plan Output per Main Cluster



Work Plan Achievement per Cluster / Center 2024



From those 55 projects managed, Disaster and Climate Resilience (DCR) cluster holds the most events (17 events) and projects (28 projects). Meanwhile, from the publication sector, the Children and Social Welfare Health (CSWH) cluster generated the most publications in 2024 followed by Renewable Energy and Emission Reduction (REER) cluster (10 publications) and Water and Waste Management (WWM) cluster (8 publications). Finally, in terms of work plan completion rate, Baresi Training Centre (BTC) is the centre with the highest work plan completion rate (83.3%), followed by WWM (77,1%) and Environment, Agriculture, and Forestry Resilience (EAFOR) centre (74%) during 2024. In sum, all clusters/centres have completed around 358 out of 582 objectives.

Key Moments

Crisis Management Conference 2024



To support Jakarta and Indonesia in building resilient urban communities, the Jakarta Regional Cooperation Bureau, with support from RDI and other institutions, hosted the 2024 Crisis Management Conference (CMC). Bringing together member cities and observer cities of the Network for Crisis Management (NCM) from Asia and beyond, the event adopted the theme ***"Strengthening Disaster Resilience in Global Cities".***

RDI Deputy Director, Hoferdy Zawani, led the discussion on Sub-theme 2, highlighting sustainable urban spatial planning and development to enhance disaster preparedness. This event served as a platform for dialogue, exchanging experiences and best practices, and fostering collaboration in disaster mitigation and response to advance resilient urban development.

The 10th World Water Forum in Bali, Indonesia

During Indonesia's hosting of the 10th World Water Forum, RDI actively contributed as a panellist in a side event. With the theme "Water for Shared Prosperity," the forum highlighted the urgency of addressing water-related challenges driven by population growth and climate change. Key topics included water conservation, clean water and sanitation, food and energy security, and disasters mitigation such as floods and droughts.



RDI, represented by Dr Saut Sagala, particularly presented at the China Pavilion with the presentation titled "Urban Planning and Design Adaptation to Water Challenges". Dr Sagala underscored the critical need for climate-resilient strategies in urban development and mentioned that this urgent need is a universal concern and vulnerability since everyone faces the risk from water-related hazards triggered by climate change. Through participation in this particular event, RDI hopes to inspire further collaboration and action in addressing global water challenges, driving the adoption of innovative solutions for resilient urban development worldwide.

FLARE Annual Meeting in Rome, Italy



To showcase RDI's contribution to forest and livelihood study, RDI participated in the Forests & Livelihoods: Assessment, Research, and Engagement Network (FLARE) Annual Meeting on 3-7 October 2024, sharing our collaborative research conducted with ASRI. **Represented by Senior Research Fellow Dr. Saut Sagala, RDI presented a study titled "Integrating Peatland Management and Community Development for Sustainable Livelihoods in West Kalimantan".** The research emphasised the critical role of peatland conservation in fostering sustainable livelihoods by empowering local communities and raising awareness about environmental stewardship in the region. Through this participation, RDI seeks to inspire collaboration and promote innovative approaches to sustainable forest and livelihood management.

Asia-Pacific Ministerial Conference on Disaster Risk Reduction (APMCDRR) 2024 in Manila, The Philippines

At the Asia-Pacific Ministerial Conference on Disaster Risk Reduction (APMCDRR) 2024, RDI emphasised its commitment to enhancing disaster resilience across the region. Adopting a multidisciplinary approach, RDI participated in the Ignite Stage with presentations on two key topics.







The first stage, delivered by Rufaida Nurul Vicri, Research Officer, focused on Climate Disaster Displacement (CDD), specifically addressing policy gaps related to displacement caused by climate change. The second stage, presented by Priskila Agatha Sulaiman, Programme Officer of Centre for Environment and Global Financing, explored Disaster Risk Financing and Insurance (DRFI), highlighting strategies to mobilise private sector resources for strengthening disaster resilience.

In addition, RDI expanded its global presence by showcasing its disaster risk reduction work at a booth. This platform allowed RDI to engage with a broader audience and foster new collaborations aimed at building a more resilient world.

The 12th World Urban Forum in Cairo, Egypt



To foster resilient urban communities, RDI actively participated in the 12th World Urban Forum (WUF12). This event is closely linked with RDI cluster, Resilient Urban Planning (RUP), particularly in one of its dialogue which brought discussion about Cities and Climate Change. RDI Senior Research Fellow, Dr Saut Sagala, presented a lecture on global strategies for enhancing the Quality of Life (QoL) through urban resilience. His presentation, titled "Urban Resilience Approach: Rapid Risk Diagnostic to Improve Quality of Life (QoL)", took place at the Habitat UNI Booth in the Urban Expo Hall. Dr Sagala explored global approaches to improve Quality of Life (QoL) by building urban resilience through rapid risk diagnostics and practical recommendations.

In addition, RDI's delegation, which included Hoferdy Zawani (Deputy Director), Michael Hutahaean (Deputy Programme Manager), and William Harahap (Regional Urban Planning Programme Officer), engaged with numerous experts and institutions. This participation underscored RDI's commitment to advancing practical solutions to address the challenges of climate change and urbanization.

The 16th AIWEST in Aceh, Indonesia

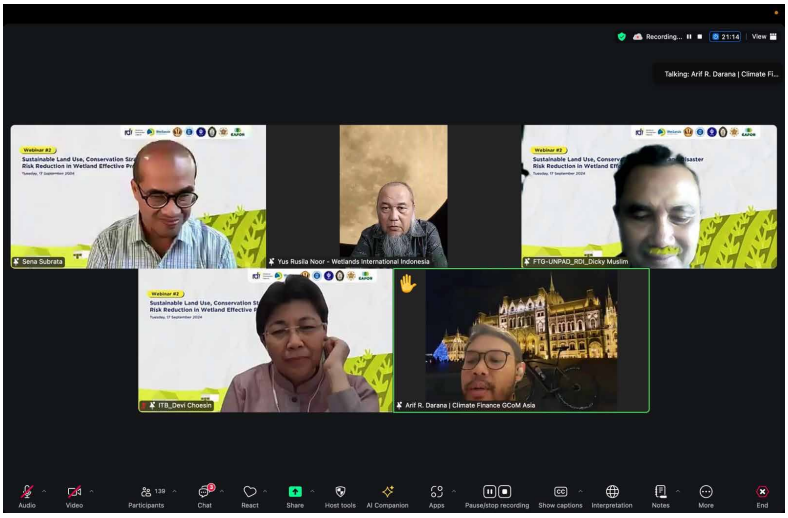


Furthering our contribution to disaster management study, RDI made a significant present at the 16th Aceh International Workshop and Expo on Sustainable Tsunami Disaster Recovery (AIWEST). The 16th AIWEST-DR has been held annually since 2016 to exchange ideas in a scientific manner and strengthen networks in disaster management. We contributed to the event through diverse research on disaster management that was presented by our delegates. The presented researches are mentioned below:

- Reflections on Long-Term Recovery after the 2004 Aceh Tsunami: Sustainability in Spatial Planning and Disaster Risk Reduction in Indonesia - Dr. Saut Sagala (Senior Research Fellow)
- Adaptation Strategies and Policies to Address Displacement Risks: A Case of Slow-Onset Disaster in Indonesia's North Coast of Java - Abimanyu Arya Atmaja Abdullah (Disaster and Climate Resilience Programme Officer)
- Assessing Nature-based Solutions (NbS) for Restoring River Basin: A Case from Brantas River in Batu City - Dekka Dhirgantara Putra (Smart System Centre Programme Officer)
- Adaptive Social Protection as a Strategy for Enhancing Household Resilience to Multiple Risks: A Case Study of National and Local Initiatives in Indonesia - Debby Paramitasari (Children Social Welfare and Health Programme Officer)
- Strengthening ASEAN's Financial Resilience: A Comparative Study of Disaster Risk Financing and Insurance Strategies - Alifa Zalfa Poetry Wicaksono (Disaster and Climate Resilience Research Officer)

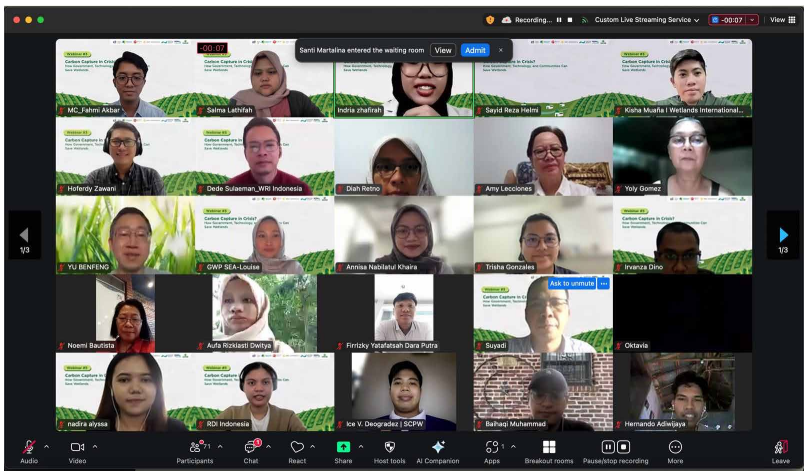
To achieve broader impact, the research will be published to the reputable international and national journals by AIWEST-DR organiser.

EAFOR Webinar Series









Throughout the year, the Environment, Agriculture, and Forestry Resilience Centre (EAFOR) successfully organised a webinar series aimed at advancing sustainable wetland management through expert discussions and knowledge exchange. **The series covered critical themes across its three webinars: The Urgency of Waste Management, Ecological Challenges, and Sustainable Infrastructure in Wetlands (1st webinar), Sustainable Land Use, Conservation Strategies, and Disaster Risk Reduction in Wetlands (2nd webinar), and Carbon Capture in Crisis? How Government,**

Technology, and Communities Can Save Wetlands (3rd webinar). In collaboration with partners from universities, research institutions, and government agencies, the series united diverse stakeholders to share insights and strategies for wetlands preservation, fostering innovative and impactful solutions.

Disaster Risk Finance Seminar





With support from the Centre of Disaster Protection (CDP) and collaboration with the Disaster Mitigation Research Centre (PPMB) Institut Teknologi Bandung (ITB), Resilience Development Initiative (RDI) successfully held the International Seminar **"Shaping Resilience: Financing a Disaster-Resilient Indonesia" on 26 November 2024 at ITB.** The seminar featured four sessions covering key aspects of disaster risk financing (DRF), including challenges, opportunities, risk transfer mechanisms and microinsurance, as well as adaptive social protection. Experts emphasised the need for innovative financing strategies, inclusive policies, and cross-sector collaboration to enhance Indonesia's disaster resilience. Discussions highlighted the role of risk modelling, community-based financing, microinsurance, and advanced technologies in improving DRF effectiveness. This seminar reinforced the urgency of sustainable and data-driven approaches to disaster mitigation, paving the way for a more resilient Indonesia.





Map of Our Activity Area Coverage in 2024



Indonesia

Aceh
Bali
Bogor
Garut
Jakarta
Medan
Nusa Tenggara Timur (NTT)
Surabaya
Yogyakarta



Global

Australia
Egypt
Indonesia
Ireland
Italy
Netherland
Nepal
Philippines
Thailand
United Kingdom
United States of America

RDI Knowledge Hub

RDI Knowledge Hub is a knowledge management system that represents the culmination of our flagship projects and serves as a distinctive knowledge product outcome. It serves as a one-stop platform to find and explore RDI's core insights in resilience studies across Southeast Asia and the global context. Learn more on **rdiglobal.org/knowledge-hub/**



Waste to Energy and Circular Economy

Waste to Energy (WtE) is one of the renewable energy technology options amidst the growing global energy demand, which is still dominated by fossil fuel. Along with the clean energy transition process, the implementation of WtE also needs to consider circular economy principles to ensure economic and environmental sustainability.



Clean Air Development

The Clean Air Development (CAD) research focuses on addressing air pollution's environmental and ecological impact while enhancing air quality and integrating health considerations into air quality management. This holistic approach aims to create a sustainable framework for mitigating air pollution that protects human health and simultaneously fosters a cleaner and healthier environment and ecosystem.



Nature-based Solutions

The current trajectory of climate change increases the vulnerability of communities to hydrometeorological disasters. RDI outlined the prospects and challenges associated with the implementation of Nature-based Solutions (NbS) in Indonesia, particularly in the aftermath of disasters that involve strategies for rebuilding more resiliently and reducing the risk of future disasters.



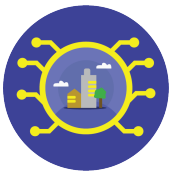
Global Health

The global health concept highlights that health-related issues go beyond borders, thus recognising that it is not solely a nation-state matter, but a regional and global concern. It focuses on the implication that the health of people worldwide takes precedence over the concerns of individual nation-states.



Adaptive Social Protection

Due to its susceptibility to disaster and climate risk, the Indonesian government undertakes an adaptive social protection (ASP) policy approach that in turn will be embedded into its social protection framework. ASP recognises that social protection programmes should evolve and adapt to various shocks and stressors, such as climate change, disaster risks, and other environmental challenges.



Disaster Risk Financing and Insurance

Disasters affect every state with multifaceted impacts, negatively affecting communities including causing financial losses. Disaster Risk Financing and Insurance (DRFI) programme has emerged in response to the problem and to provide innovative financial protection to populations at risk.



Climate and Disaster Displacement

Disaster and extreme climate events have forced people to leave their homes and places of habitual residence to become internally displaced persons (IDPs) and, to an extent, become migrants. Unfortunately, IDPs' rights are often neglected, before and after relocating. Hence, there is an urge to advocate and research more on the issue.



Multi Hazard Preparedness

Through this K-Hub, RDI contributes a wealth of knowledge related to the interrelationship between hazards and the cascading risks that hit nationally and transcend across borders. This K-Hub also assesses losses and damages, encourages rehabilitation and construction initiatives, and raises public awareness of risks and future disaster management strategies.

Achievements

Adaptive Social Protection

In 2024, RDI advanced adaptive social protection (ASP) in Indonesia through key projects, publications, and capacity-building initiatives. The **"Towards a Future-Proof Society:Adaptive Social Protection Against Climate Change"** project with KONEKSI produced three policy briefs, facilitated meetings with the Ministry of National Development Planning (*Badan Perencanaan Pembangunan Naasional*/Bappenas), the Ministry of Social Affairs (Kementerian Sosial/Kemensos), and the National Disaster Management Agency (*Badan Penanggulangan Bencana Nasional*/BNPB), and hosted workshops in Jakarta, Kupang, and Waingapu. Collaborative efforts continued with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and BNPB on ASP capacity-building efforts. Looking ahead, RDI's ASP flagship book is set to be published in early 2025, marking a milestone in its research contributions. Additionally, RDI actively engaged in prominent conferences, including the Asia Pacific Regional Conference on Population Ageing, the launch of the World Bank report titled **"The Care Economy in Indonesia: A Pathway for Women's Economic Participation and Social Well-being"**, and the AIWEST-DR Conference 2024, where RDI presented its paper on ASP as a strategy for enhancing household resilience to multiple risks through national and local initiatives.



"Towards a Future-Proof Society:Adaptive Social Protection Against Climate Change"



AIWEST-DR Conference 2024

Climate and Disaster Displacement

RDI's Climate and Disaster Displacement (CDD) Working Group focuses on advocacy through research, knowledge production, and policy engagement at national and global levels. CDD provides evidence-based recommendations for protecting vulnerable populations affected by climate and disaster-related displacement. This working group presented at AIWEST-DR 2024 on Indonesia's adaptation strategies. Moving forward, CDD will continue strengthening research collaborations and academic publications to enhance RDI's K-Hub. CDD also collaborated with IOM Indonesia to finalise research on Climate Human Mobility in Indonesia. Using a mixed-method approach, we analysed how slow-onset climate impacts influence mobility decisions, focusing on socio-economic factors in Cilacap and West Lombok. Meanwhile, in global advocacy and engagement, CDD Working Group also disseminated our research in the Asia-Pacific Ministerial Conference on Disaster Risk Reduction (APMCDRR) 2024 Ignite Stage. RDI presented the importance of paying attention to the increasing threat of slow-onset disasters in the vulnerable coastal communities who are also at risk of being displaced by sea-level rise.



APMCDRR 2024



AIWEST-DR Conference 2024

Disaster Risk Financing and Insurance

Indonesia's Disaster Risk Financing and Insurance (DRFI) strategy, launched in 2018, aims to safeguard state finances from disaster impacts through tools like State Property Insurance (*Asuransi Barang Milik Negara*/ABMN), Disaster Pooling Fund (DPF), and standby loans. A review of its 2018-2023 implementation identified key gaps, including the need for stronger legal frameworks, integrated risk analysis, improved metrics, and enhanced monitoring systems. Challenges also include limited disaster microinsurance, unclear regulations for compulsory disaster insurance, and adjustments needed for climate insurance programs.

For the 2024-2029 roadmap, recommendations include strengthening legal foundations through presidential regulations and revised laws, improving disaster risk data and probabilistic analyses, optimising ABMN and DPF implementation, and developing market-based instruments like microinsurance and Cat-bonds. Additional priorities include adaptive social protection measures, incentivising disaster insurance, and exploring innovative financing tools to ensure a robust and sustainable DRFI strategy.

Global Health

In 2024, RDI made notable advancements in strengthening health resilience in Indonesia through various projects and publications. A key achievement includes the release of trend reports and policy briefs on public health emergencies, covering topics such as healthy lifestyles, resilient health systems, and food safety, aligned with the ASEAN Socio-Cultural Community framework. These publications mark an important milestone in RDI's research activities. Additionally, a project focused on the Situation Analysis of Refugees' Access to Healthcare,

including *Human Immunodeficiency Virus* (HIV), *Tuberculosis* (TB), and *Sexual and Reproductive Health Rights* (SRHR) services, funded by the United Nations High Commissioner for Refugees (UNHCR), is set to be completed by the end of the year. This initiative has produced a situation report that outlines the healthcare access of refugees, identifying critical gaps and barriers. Moreover, two successful workshops were conducted for both internal stakeholders and external partners of UNHCR.



Clean Air Development

In 2024, RDI made substantial progress in advocating Nature-based Solutions (NbS) and advancing resilient infrastructure. Our insights into the potential application of NbS were presented at the International Conference on Forest City 2024 and AIWEST-DR 2024. A collaborative webinar with Eco Edu underscored strategies for reducing hydrometeorological disaster risks in Indonesia using NbS. A notable achievement was the development of Resilient Infrastructure (RI) Resilience Tools, designed to assess hazard impacts on infrastructure and incorporate mitigation and adaptation measures into decision-making processes.



Waste to Energy and Circular Economy

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Multi Hazard Preparedness

In 2024, RDI recognised the growing complexity of multi-hazard disasters and the need for comprehensive preparedness. Through our collaboration with the World Food Programme (WFP), we applied the CLEAR+ Method to assess livelihoods impacted by various hazards, providing insights for risk-informed decision-making. In 2024, we engaged in various research projects. In the project scheme, we contributed to **CLEAR+ WFP**, assessing future climate impacts on livelihoods and food security while co-producing adaptation options. Additionally, we conducted a **Loss and Damage Study in Southeast Asia** in collaboration with GIZ. Our research dissemination efforts included participation in key events such as **The 16th AIWEST-DR** in Aceh and the ITB Annual Symposium on Multi-Hazard and Disaster Mitigation, highlighting climate risks, adaptation, and displacement challenges.

RDI Roadmap (2025-2030)

In a world that is constantly evolving and full of change and challenges, RDI is dedicated to remaining agile and responsive. We continuously strive to adapt and innovate in order to effectively address the ever-changing challenges the world faces. Our commitment to finding solutions and creating impactful change remains unwavering as we navigate the complexities of a dynamic global landscape. This commitment is reflected on our thoughtfully crafted Roadmap for 2025-2030.



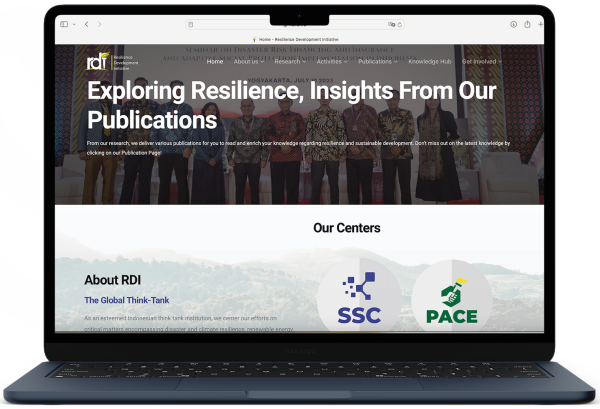
Social Media **Report**

Social Media Impressions

Linkedin	Instagram	X	Youtube
15.090 ↗4,67%	8.878 ↗0,58%	615 ↗0,49%	996 ↗3,96%

Closing

Throughout 2024, we have expanded our network and demonstrated our commitment to delivering excellent research and consultancy to advance sustainable and resilient development in Indonesia, the Southeast Asian region and beyond. Through various projects and other activities, we have been able to realize our dedication to making sustainable and resilient initiatives stronger. In the coming year, we are excited to expand our network of partnerships with various regions and stakeholders, including governments, civil society organizations, think tanks, and even private sectors at the local, regional, and international levels. Here's to a year filled with innovation, progress, and meaningful collaborations.



If you are interested in partnering with us or joining our vibrant team, please visit our website for more information on how to engage with us and contribute to our global initiatives

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