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rdi@rdi.or.id

www.rdi.or.id

Jalan Imperial No. 52, Bandung, West Java, Indonesia 40135

Resilience Development Initiative

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CENTER FOR ENVIRONMENT AND GLOBAL FINANCING (CEGF)



About CEGF

Center for Environment and Global Financing (CEGF) is a center under RDI which aims to further knowledge and find solutions related to the financing aspects of resilience and sustainable development. This aim is achieved through research, consultancy, and training. CEGF works alongside the seven RDI clusters and mainly focuses on five key areas, which are green financing, risk financing, insurance and investment, health financing and infrastructure financing. The CEGF team consists of researchers that have vast experiences in financing, resilience and sustainable development.

Center Chair: Dr. Saut Sagala (saut.sagala@rdi.or.id)

Center Lead: Wieka Dzurriyah Nur B.Sc. (wieka.nur@rdi.or.id)

Center Contact: Wewin Wira Cornelis B.Sc. (wira.cornelis@rdi.or.id)

Current Members: Dr. Saut Sagala | Wieka Dzurriyah Nur, B.Sc. | Dr. Ramanditya Wimardana | Alpian Angga Pratama, M.Sc. | Rufaida Nurul, B.A. | Indah Cahyaning Sari, B.Sc. | Belia Ega Avila B.Sc. | Wewin Wira Cornelis Wahid B.Sc.

Research & Publications

- Sagala, S., Rosyidie, A., Azhari, D., Ramadhani, A., Rinaldy, T. K., Dian A. P.** (2022). Supply chain resilience: the indirect economic implication of Sunda Strait (Krakatoa) Tsunami and COVID-19 outbreak to the tourism hospitality supply chain in Pandeglang Indonesia. UNDRR Global Assessment Report on DRR 2022.
- Sagala, S., Putra, H., Hafiz, I., Ramadhani, A., Anwar, H.** (2020). Cost-Benefit Analysis of Disaster Risk Financing and Insurance in Indonesia. IRSA Book Series on Regional Development No.18.
- Rosyidie, A., Sagala, S., Azhari, D., Ramadhani, A., Prabu, A., Novianto, K., Rinaldy, T.K.** (2020). Tourism Hospitality Industry Supply Chain in Pandeglang Regency After Tsunami 2018. 2nd International Conference on Creative Economics, Tourism & Information Management & Technology.
- Sagala, S., Rosyidie, A., Azhari, D., Ramadhani, A., Rinaldy, T.K., Racharjo, S.I.,** (2020). Building Resilience from Double Disasters: The Direct Impact of The Pandeglang Tsunami And COVID-19 Outbreak on Tourism. 2nd International Conference on Creative Economics, Tourism & Information Management & Technology.
- Sagala, S., Putra, H., Anwar, H., Loeksmanto, I.** (2019). Addressing Disaster Risk Financing in Indonesia: The Role of Insurance. Indonesia Regional Science Association Conference, Banda Aceh, Indonesia.
- Sagala, S.** (2019). Addressing Disaster Risk Financing in Indonesia: The Role of Insurance. Indonesian Regional Science Association. (Winner of 2019 IRSA-Local Government Innovation Research Support).
- Unrean, P., Lai Fui, B. C., Rianawati, E., & Acda, M.** (2018). Comparative techno-economic assessment and environmental impacts of rice husk-to-fuel conversion technologies. Energy, 151, 581–593.
- Sagala, S., Yamin, D. and Kumar, J.** (2018). Agriculture Insurance for Disaster Risk Reduction in Indonesia, Integrated Disaster Risk Management Conference, Sydney, Australia.
- Sagala, S., Wimardana, R., Siregar, R. and Wardi, N.** (2018). What are the gaps in the implementation of climate change adaptation financing in Indonesia?. Southeast Asia Disaster Risk Governance Academic Seminar.

Research & Publications

Hnyine, Z., Sagala, S., Yamin, D and Lubis, W. (2015). Benefits Of Rural Biogas Implementation To Economy And Environment: Boyolali Case Study. Journal of Forum Geografi.

Sagala, S. (2014). Micro-insurance as An Effort To Reduce Disaster Risk in Communities, a Case Study of Indramayu Regency. Perpustakaan ITB.

Wimbardana, R., Sagala, S., Rosyidie, A. and Pratama, A. (2013). Assessing Community's Socio-Economic Rehabilitation in Post Disaster Recovery: Case Study of Mount Merapi. 2nd Plano Cosmo International Conference on Regional and City Planning, Institute of Technology Bandung, 21-22 October 2013.

Gunawan, I. and Sagala, S. (2012). Local Risk Assessment and Risk Financing, a background study for Asian Ministerial Conference on Disaster Risk Reduction. World Bank.

Sagala, S., Lassa, J., Yasaditama, H. and Arisandy, M. (2012). The evolution of risk and vulnerability of Jakarta Megacity: Contesting Market vs Government Development Policy?. Symposium on Risk and Development in Rapid Emerging Economy, Beijing Normal University, China.

Asirin and Sagala, S. (2011). Remittance and Sustainable Investment: Does Education Matter?. Indonesian Regional Science Association Institute, Padang, July 19-21, 2011

Sagala, S. (2010). Climate Change Institutions and Adaptation in Indonesia: Prospects and Sustainability. 2nd UNITAR-Yale Conference on Environmental Governance and Democracy: Strengthening Institutions to Address Climate Change and Advance a Green Economy, 17-19 September 2010, Yale University, New Haven, USA.

Sagala, S. (2010). Dealing with Disasters A Review of Disaster Risk Reduction Investments in West Java and West Sumatra, Indonesia. Oxfam GB Research Report.



Notable Projects on Infrastructure and Green Financing



Landscape Analysis Report
for The Future is Public Transport Campaign
C40 Cities and ITF

Prepared by Resilience Development Initiatives (RDI)
September 2022



RDI alongside the Digital Global Biogas Cooperation (DiBiCoo) and other institutions (Ministry of Finance, GGGI, LPPI, PT SMI, IRID, OJK, and others) facilitated a **training series** (in 2021) on **“Sustainable Biogas Project Financing”** which outlined the various pathways to finance Biogas Projects.



RDI completed a “Landscape Analysis Report” for C40 Cities (in 2022), which outlines recommendations on **financing strategies** at various levels to **strengthen future public transport development** in Jakarta.

Disaster Risk Financing & Insurance
In ASEAN: Trends, Challenges, &
Strategic Approaches

Draft Report
submitted to the United Nations
Development Programme (UNDP)

**Country Diagnostic
on Inclusive Insurance and
Risk Finance for Indonesia**

**DISASTER RISK FINANCING
AND INSURANCE
IN INDONESIA
2022**

PREPARED BY
Resilience Development Initiative

SUBMITTED TO
United Nations Development Programme
Indonesia

Notable Projects on Risk Financing, Insurance and Investment

In 2022, RDI completed various consultancies on the topic of Disaster Risk Financing and Insurance (DRFI). RDI completed an ASEAN level DRFI analysis, which was an **analysis of DRFI issues in each ASEAN Member State, and ASEAN as a whole.**

Moreover, our senior research fellow (Dr. Saut Sagala) was tasked to do a “Diagnostic on Inclusive Insurance and Risk Finance” in Indonesia.

The diagnostic examined **DRFI issues from regulatory-institutional issues, to market demand and supply issues, community needs, insurance investment, and natural capital protection.**

Another UNDP study **analyzed the readiness of DRFI implementation in Indonesia** through a baseline study and a feasibility report.

**Building a Resilient Health System
to Strengthen Regional Health
Security in the ASEAN Region**

Trends & Foresight of Public Health
Emergencies (PHE) to Support Health
and Economic Sustainable Growth in
The ASEAN Region

Trend Report

Prepared by
Resilience Development Initiative Team
Version 2 | 19 August 2022

Notable Projects on Health Financing

Recently (2022), RDI was tasked to complete various trend reports on the topic of public health for the ASEAN Socio Cultural Communities. Two of those reports were on “Health Systems” and “Public Health Emergency Measures”. Both reports outlined **financing strategies** to strengthen **resilience and robustness of health systems and health emergency measures** in ASEAN.

The projects listed in this flyer were selected out of many, a full view of previous financing projects done by CEGF can be seen in www.rdi.or.id/cegf, or <https://www.rdi.or.id/project>.