

Knowledge Partnership Profile  
**Environment & Climate Change**

**Extension**





# Introduction

KONEKSI is pleased to announce the selected research partnerships for the Environment and Climate Change (ECC) Extension Support. This initiative continues the success of the ECC Pilot round, supporting ongoing collaborations between Indonesian and Australian knowledge institutions to generate research that informs policy and drives innovation.

Both Australia and Indonesia face increasing challenges from climate change, requiring solutions that promote environmental sustainability and community resilience. Through this extension support, KONEKSI funds are applied to multidisciplinary research that strengthens partnerships and builds evidence for inclusive and climate-resilient development.

The selected projects were identified through a rigorous review process for their demonstrated progress, partnership equity, and potential for broader impact. These collaborations exemplify KONEKSI's mission to advance shared knowledge, promote gender equality and social inclusion, and support policies and technologies for a sustainable future.





## ENVIRONMENT & CLIMATE CHANGE EXTENSION RESEARCH

- 1 **Action Lab: Empowering Marginalised Youth for Civic Action Through Critical Climate Literacy and Advocacy Skills**
- 2 **Beyond the Harvest: Knowledge Dissemination for Sustainable Seaweed and Sea Salt Farming in Madura**
- 3 **Building a Model of Future-proofing for Climate Resilience by Engaging Communities (MoFCREC) in Eastern Indonesia**
- 4 **Building Women's Resilience to Climate Change Through Health Promotion Intervention**
- 5 **Coalition Building: Contesting Loss for Indonesian Communities in Climate Crisis**
- 6 **Creation of an Interactive Online Seaweed Production Map to Support Policy-Making for the Indonesian Seaweed Industry**
- 7 **Developing an Integrated Approach to Climate Change Adaptation, Food Security and Social Forestry in Vulnerable and Indigenous Communities in Eastern Indonesia**
- 8 **Indonesia-Australia Citarum Action Research Program (CARP) - Circular economy transitions for resilient climate and environmental futures: Scaling for Impact**
- 9 **Expanding GenerAksi: Strengthening Climate Change Education Through Policy Impact, Research, and Inclusive Learning Networks**
- 10 **Fire Play: SPREAD (Stimulating just-Policy and Recognition through Equitable and Amplifiable Dissemination)**
- 11 **Flood-Eye: An AIoT-based Prediction and Decision Support System for Riverine Flood Disaster Mitigation in Semarang City**





 Research locations

 1 Research project titles on the previous page





# Table of Contents

**Action Lab: Empowering Marginalised Youth for Civic Action Through Critical Climate Literacy and Advocacy Skills**

Page  
**08**

**Beyond the Harvest: Knowledge Dissemination for Sustainable Seaweed and Sea Salt Farming in Madura**

**09**

**Building a Model of Future-proofing for Climate Resilience by Engaging Communities (MoFCREC) in Eastern Indonesia**

**10**

**Building Women's Resilience to Climate Change Through Health Promotion Intervention**

**11**

**Coalition Building: Contesting Loss for Indonesian Communities in Climate Crisis**

**12**

**Creation of an Interactive Online Seaweed Production Map to Support Policy-Making for the Indonesian Seaweed Industry**

**13**

**Developing an Integrated Approach to Climate Change Adaptation, Food Security and Social Forestry in Vulnerable and Indigenous Communities in Eastern Indonesia**

**14**

**Expanding GenerAksi: Strengthening Climate Change Education Through Policy Impact, Research, and Inclusive Learning Networks**

**15**

**Fire Play: SPREAD (Stimulating just-Policy and Recognition through Equitable and Amplifiable Dissemination)**

**17**

**Flood-Eye: An AIoT-based Prediction and Decision Support System for Riverine Flood Disaster Mitigation in Semarang City**

**18**

**Indonesia-Australia Citarum Action Research Program (CARP) - Circular economy transitions for resilient climate and environmental futures: Scaling for Impact**

**19**

# Action Lab: Empowering Marginalised Youth for Civic Action Through Critical Climate Literacy and Advocacy Skills

## Keywords

Climate justice, participatory research, political literacy, youth empowerment

## Research Location

Jakarta, Pekalongan, Pontianak



This project builds on findings from the KONEKSI ECC pilot, which revealed that marginalised youth in Indonesia experience climate impacts daily but lack the political literacy to recognise them as systemic injustices. Through a participatory Action Lab,

the project will equip out-of-school youth with climate literacy, advocacy skills, and tools for civic engagement. It aims to empower young people to critically engage with climate justice while generating practical resources for educators, policymakers, and civil society.



## AUSTRALIA

### Partners' Organisation

- Australian The Australian National University (ANU)



## INDONESIA

### Principal Organisation

- Pusat Kajian dan Advokasi Perlindungan dan Kualitas Hidup Anak Universitas Indonesia (PUSKAPA UI)

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# Beyond the Harvest: Knowledge Dissemination for Sustainable Seaweed and Sea Salt Farming in Madura

## Keywords

Economic resilience, community empowerment, knowledge transfer, seaweed and solar salt farming, sustainable coastal livelihoods

## Research Location

Lembung Village, Pamekasan Regency, Madura Island, Indonesia



Beyond the Harvest: Knowledge Dissemination for Resilient Salt and Seaweed Farming in Madura aims to support sustainable coastal livelihoods in Madura by building on the successful Harvesting Hope pilot project. This extension project focuses on empowering local communities through targeted knowledge dissemination, training, and business model development. It seeks to enhance community resilience by providing practical tools and skills for managing coupled seaweed and solar salt farming systems, improving market access, and fostering economic independence. The project is structured into three key work

packages: academic research and publications, development of operational guides and training materials, and creation of sustainable, community-driven business models. By integrating principles of gender equality and social inclusion (GEDSI), the project ensures broad participation, particularly for women, in emerging seaweed and water enterprises. This collaborative effort between Australian and Indonesian institutions aims to promote economic resilience, strengthen local supply chains, and support sustainable resource management, contributing to long-term socio-economic stability in the region.



## AUSTRALIA

### Principal Organisation

- The University of Newcastle

### Partners' Organisation

- RMIT University



## INDONESIA

### Partners' Organisation

- Kementerian Kelautan dan Perikanan
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## Researchers

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# Building a Model of Future-proofing for Climate Resilience by Engaging Communities (MoFCREC) in Eastern Indonesia

**Keywords**

Climate resilience, community engagement, disability inclusion, gender equality, inclusive research, policy impact

**Research Location**

Kupang, Makassar, Lombok



Our project will advance gender equality, disability, and social inclusion (GEDSI) in climate resilience through strong community collaboration. We will build capacity via workshops, produce inclusive resources, and foster partnerships in Lombok, Makassar, and Kupang. Academic outputs will include journal

articles and conference presentations, while public engagement will feature documentaries, a toolkit website, and multilingual materials. Policy briefs and partnerships with GARAMIN and PERDIK will guide inclusive climate strategies, ensuring sustainable impact and long-term advocacy for marginalised communities.

 **AUSTRALIA**

**Principal Organisation**

• Herb Feith Indonesian Engagement Centre, Monash University

 **INDONESIA**

**Partners’ Organisation**

• Monash University Indonesia  
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• Pergerakan Difabel Indonesia untuk Kesetaraan (PERDIK)  
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# Building Women's Resilience to Climate Change Through Health Promotion Intervention

## Keywords

Climate change, compounding inequities, health promotion, maternal health, resilience



## Research Location

Alor, North Jakarta, Pekalongan

A research team conducted an assessment involving 1,112 women across various regions of Indonesia and discovered that there is a low level of awareness among Indonesian women regarding the health impacts of climate change events. The areas involved in the study exhibited low rates of counseling and limited access to relevant health information. Respondents acknowledged their knowledge gaps and expressed a willingness to engage in educational programs if they were made available. Currently, the primary means of education have been through WhatsApp groups among mothers and health cadres. However, the participants indicated a strong preference for audio-visual

educational media that is accessible offline, interactive, and grounded in local context. This type of educational resource is essential, as not everyone has the same level of digital literacy. The chosen media approach aims to cater to local needs while providing critical information and education on health issues related to climate change, specifically focused on women and children. The outcome of this research is to build a network connecting communities and stakeholders to enhance health promotion, improve the capacity of Indonesian researchers through mentoring from Australian counterparts, and ensure research findings are disseminated from local to international levels.



## AUSTRALIA

### Partners' Organisation

- Monash University; School of Nursing and Midwifery, Faculty of Medicine, Nursing, and Health Sciences



## INDONESIA

### Principal Organisation

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# Coalition Building: Contesting Loss for Indonesian Communities in Climate Crisis

## Keywords

Climate litigation, climate loss and damage, community based approach

## Research Location

Indonesia



The objective of this project is to build partnerships between the Indonesian government and vulnerable communities experiencing climate-induced loss and damages by advancing Indonesia's knowledge of and interests in loss and damage governance.

By taking a localised, socially inclusive and gender-sensitive approach and grounding this work in bottom up approaches, this project will empower communities experiencing climate impacts to assert their stake in climate-induced loss and damage frameworks.



## AUSTRALIA

## Principal Organisation

- Indo-Pacific Research Centre, Murdoch University

**INDONESIA**

## Partners' Organisation

- Institute of International Studies, Universitas Gadjah Mada (IIS UGM)
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# Creation of an Interactive Online Seaweed Production Map to Support Policy-Making for the Indonesian Seaweed Industry

|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| <b>Keywords</b>          | Climate adaptation, digital platform, satellite imagery, seaweed farming |
| <b>Research Location</b> | Maluku, Nusa Tenggara Timur, South Sulawesi                              |



The seaweed industry is increasingly affected by climate change, putting the livelihoods 80,000 smallholder farmers at risk. This is a critical time to introduce digital tools that can help smallholders manage extreme weather and changing ocean conditions. This project will develop an online platform providing real-

time information on seaweed production areas and prices linked to weather patterns for the province of South Sulawesi. This can support government to develop responsive evidence-based policy, and farmers to adapt to extreme weather events associated with climate change.

|                                                                                  |                  |
|----------------------------------------------------------------------------------|------------------|
|  | <b>AUSTRALIA</b> |
| <b>Principal Organisation</b>                                                    |                  |
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|                                                                                                                                                                                                                                                                |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
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# Developing an Integrated Approach to Climate Change Adaptation, Food Security and Social Forestry in Vulnerable and Indigenous Communities in Eastern Indonesia

**Keywords**

Climate change adaptation; Food security; Social forestry; Eastern Indonesia; Participatory planning; Social reproduction; Community-driven solutions



**Research Location**  
Jakarta, Kupang, Sikka & East Flores (NTT)

This project extension aims to maximize impact and share findings on climate change, food security, and social forestry challenges in Eastern Indonesia by integrating visual storytelling and participatory planning. Through photovoice initiatives, video workshops, writing

sessions, and multistakeholder roundtables, the project empowers communities, amplifies local voices, and brings together diverse stakeholders to develop actionable, community-driven adaptation strategies and a comprehensive action plan for sustainable, long-term change.



**AUSTRALIA**

**Principal Organisation**

- Australian National University, Crawford School of Public Policy



**INDONESIA**

**Partners' Organisation**

- AKATIGA
- BRIN
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## Expanding GenerAksi: Strengthening Climate Change Education Through Policy Impact, Research, and Inclusive Learning Networks

## Keywords

Climate change education, climate change educators network and partnership, disability-friendly learning kit, knowledge dissemination

## Research Location

Indonesia province: NTT, Central Java/Yogyakarta, North Sulawesi, Lampung, North Sumatra, and Jakarta

**Australian State:** Victoria, Western Australia



The “Expanding GenerAksi” project builds upon the success of the KONEKSI ECC Pilot Project by leveraging established partnerships, research data, and game-based learning methodologies. With a clear implementation roadmap, expanded geographic reach, and a focus on policy integration, the project is achievable within the allocated budget and timeline. The project will benefit from existing

collaboration mechanisms, a well-tested game model, and strong institutional support to ensure scalability, sustainability, and policy relevance. Through targeted Training of Trainers, policy engagement, and learning networks, the initiative will drive systemic impact in climate change education across Indonesia and Australia.





**AUSTRALIA**

**Partners’ Organisation**

- Harkaway Primary School
- Charles Darwin University (CDU)
- Learning Ecologies for Action on Disaster Risk Reduction and Resilience (LEADRRR)
- Climate Change Educators Network Australia (CCEN)



**INDONESIA**

**Principal Organisation**

- PREDIKT Tangguh Indonesia

**Partners’ Organisation**

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# Fire Play: SPREAD (Stimulating just-Policy and Recognition through Equitable and Amplifiable Dissemination)

|                           |                                                                       |                                                                                   |
|---------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Keywords</b>           | Climate justice, GEDSI knowledge dissemination, indigenous governance |  |
| <b>Research Locations</b> | Central Kalimantan, Depok                                             |                                                                                   |

The project builds on a successful pilot to co-create just, GEDSI-informed outputs and amplify Indigenous Dayak leadership in fire mitigation through inclusive, multimedia dissemination. Employing a multiscalar methodology, it will engage stakeholders from

local villages to international platforms, fostering policy dialogue, academic collaboration, and public recognition. The project aims to strengthen Indigenous self-determination, broaden climate justice discourse, and shape equitable fire governance policy.


**AUSTRALIA**

**Partners' Organisation**

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**INDONESIA**

**Principal Organisation**

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# Flood-Eye: An AIoT-based Prediction and Decision Support System for Riverine Flood Disaster Mitigation in Semarang City

**Keywords**

AI, Flood, flood-eye, decision support system, IoT, riverine flood, Semarang, tidal flood

**Research Location**

Semarang



Project addresses the need of Badan Penanggulangan Bencana Daerah (BPBD), Semarang, in developing a smart digital system for monitoring water levels, predicting riverine

floods at lowlands caused by runoff of rainwater from highlands, and warning flood risks to users.

 **AUSTRALIA**

**Principal Organisation**

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 **INDONESIA**

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# Indonesia–Australia Citarum Action Research Program (CARP) – Circular economy transitions for resilient climate and environmental futures: Scaling for Impact

## Keywords

Circular economy, climate resilience, environment

## Research Locations

Padamukti, Bandung Regency, West Java



The Koneksi ECC Pilot for Circular Economy Transitions for resilient climate and environmental futures is a collaboration between research partners, the West Java Provincial Government, Industry and a riverine community located on the Citarik River in Bandung Regency. It leverages a newly built TPS-3R as a living lab with a multi-sectoral

partnership consortium, to explore the enablers and barriers to abating waste leakage in natural and built environments that result in degraded landscapes and reduced climate resilience. The pilot identifies key lessons for transitioning towards a circular economy in vulnerable village contexts that would provide useful guidance for scaling to other locations.



## AUSTRALIA

### Principal Organisation

- Monash University



## INDONESIA

### Partners' Organisation

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**KONEKSI – Australia-Indonesia Knowledge Partnership Platform**



**[www.koneksi-kpp.id](http://www.koneksi-kpp.id)**