



Collaborative Study Program Round 1

Advancing Collaborative Research on Nature-based Solutions (NbS) for Climate Resilience and Sustainable Development in Indonesia



Collaborative research teams are examining how NbS can reduce vulnerability to climate change-related hazards, such as flooding, coastal erosion, and wildfires, by restoring natural buffers, improving land management, and integrating ecosystem-based approaches into local adaptation planning.

Studies are exploring how mangrove and peatland restoration initiatives enhance community resilience, support nature-based livelihoods, and contribute to carbon sequestration. These projects highlight the dual benefits of ecosystem rehabilitation and local economic empowerment.

Research within this focus area assesses how NbS interventions, such as habitat restoration, improved water management, and ecosystem-based conservation, enhance biodiversity and the overall sustainability of ecosystems and surrounding communities.

FOCUS AREAS

1

Hazard Resilience

2

Climate Change and
Community Resilience

3

Healthy Ecosystems
and Biodiversity



Total Fund and Duration

CAD 15,000

12 MONTHS

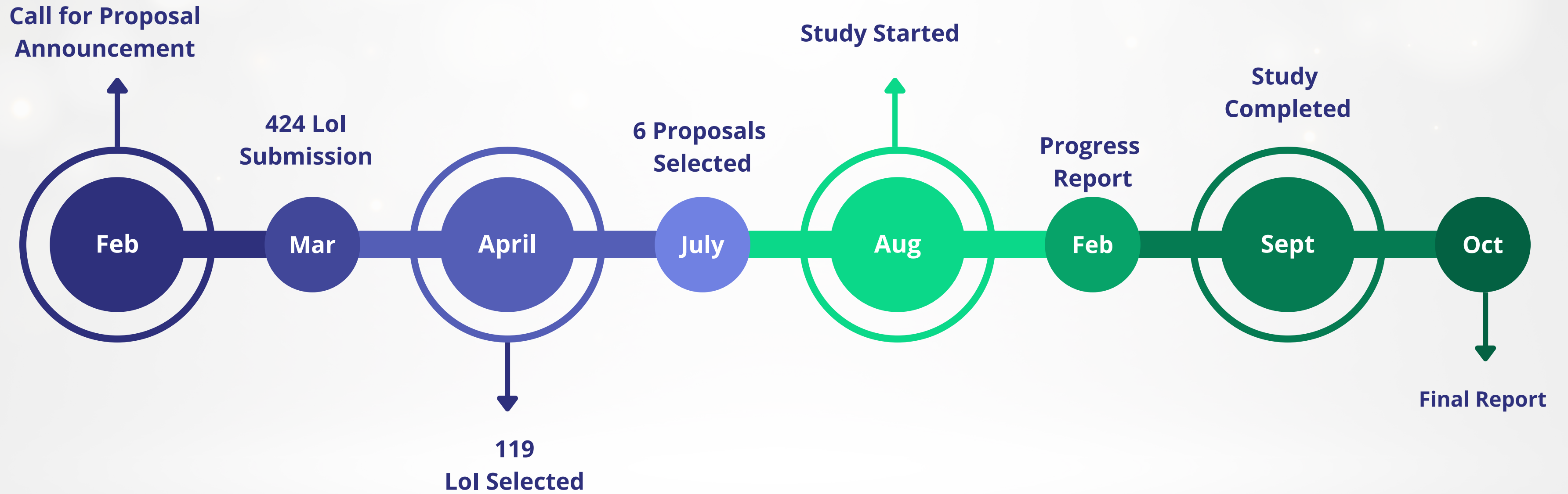
Gender Equality and Social-Economic Inclusivity (GESEI)

GESEI considerations are embedded throughout all studies, from defining research problems and designing methodologies to data analysis and knowledge mobilization.

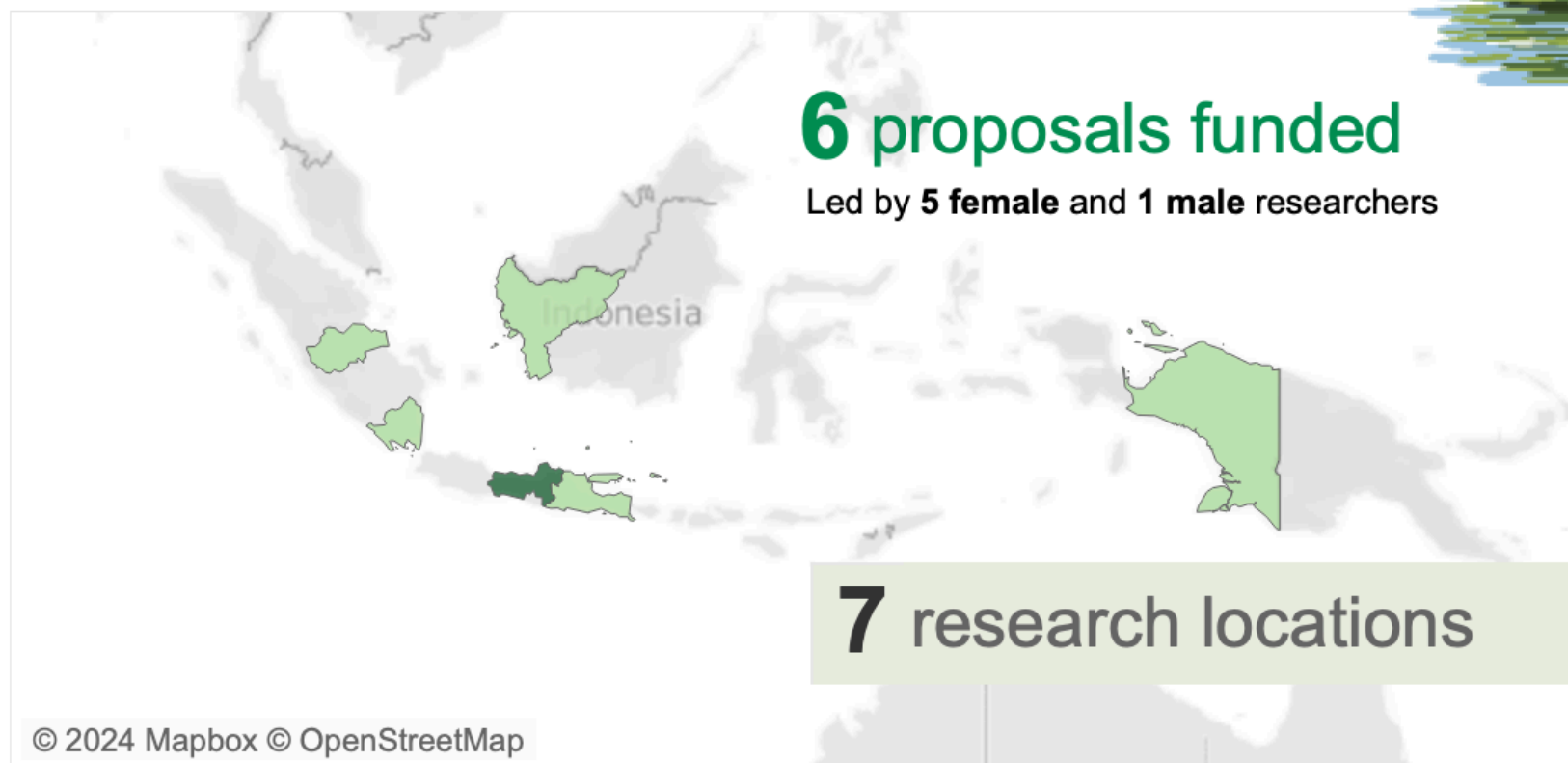
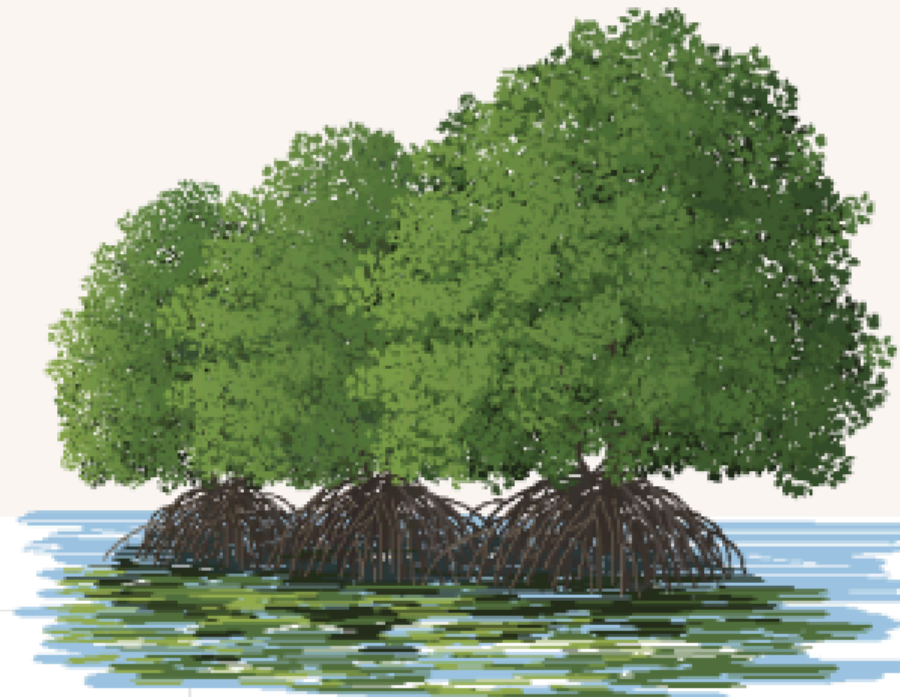
This ensures that NbS approaches are inclusive, equitable, and responsive to the needs of women, marginalized groups, and local communities.



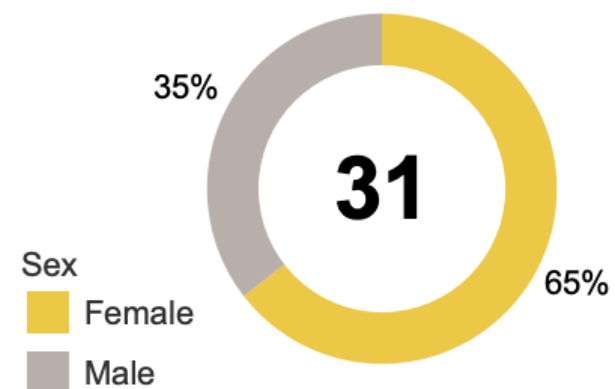
Milestones 2024 - 2025



Nature-based Solutions Collaborative Studies 2024



Total researchers



Note: Total includes 2 researchers from University of Waterloo (1F;1M)

Program Progress and Impact

The ongoing collaborative studies have begun to demonstrate tangible outcomes, including strengthened institutional partnerships, the development of community-driven NbS models, and improved understanding of ecosystem functions in supporting resilience.

These projects are contributing new insights to policy and practice, reinforcing Indonesia's leadership in implementing inclusive, evidence-based NbS.

By linking science, policy, and local action, this program continues to advance practical pathways for climate adaptation, biodiversity conservation, and sustainable livelihoods, showcasing how working with nature can secure a more resilient and equitable future for Indonesia.

List of Studies



**Perempuan Berdaya dan Tangguh:
Kepemimpinan Perempuan dalam Membangun
Ketahanan Terhadap Bencana Banjir dan Rob
untuk Pengurangan Resiko Bencana yang
Responsif Gender dengan Solusi Berbasis Alam**



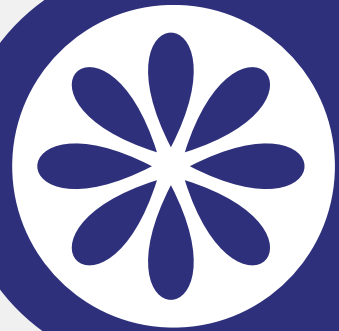
**Guardian from Coal Ash for Mangrove
Conservation in East Jawa and Papua**



**Gender Equity in Mangrove Restoration and
Conservation: Strengthening Resilience and
Empowering Communities in Bedono Village,
Demak, Central Java**



**Adaptasi Pemanfaatan Bambu Berkelanjutan
untuk Konstruksi Bangunan Pantai dalam
Mendukung Ketahanan Ekosistem dan
Pemberdayaan Masyarakat di Kawasan
Mangrove di Provinsi Lampung**



**Membangun Masyarakat Mangrove:
Memetakan Potensi Peningkatan Kapasitas
Multi-Stakeholder untuk Tata Kelola Lanskap
Pesisir Berkelanjutan**



**Development of A Comprehensive Mangrove
Ecosystem Quality Health Index**