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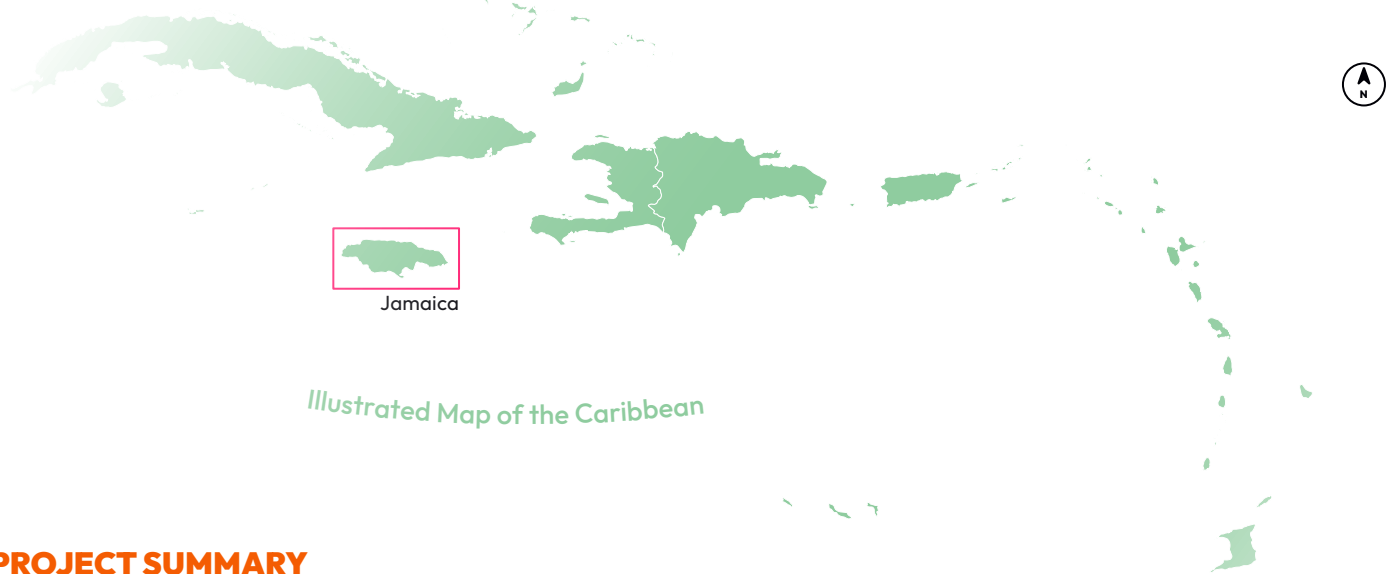
based on a decision of the German Bundestag

PROJECT FACT SHEET

ECOSYSTEM-BASED ADAPTATION (EBA) FACILITY

Implementation of Eco-System Adaptation Measures for Kingston Harbour Communities (KHEAM)

Project duration	February 2020 to February 2023	Total project costs	\$1,229,600
Country	Jamaica	EbA Facility grant	\$990,000
Lead organisation	Mona Geoinformatics Institute	Match funding	\$239,600
Partners	Newer Worlds, Grace Kennedy Foundation, Centre for Marine Sciences, University of the West Indies Mona	<small>All currency is stated in USD.</small>	



PROJECT SUMMARY

The KHEAM project aimed to boost the defense of low lying areas in Kingston, Jamaica against the climate risk of flooding, storm surges and hurricanes through mangrove restoration, rehabilitation and community-based action. Hydrological rehabilitation and the planting of over 10,000 seedlings improved 265 hectares of mangrove ecosystems. The project trained more than 300 residents as environmental wardens and established community recycling initiatives to reduce solid waste pollution.

Despite challenges, including COVID-19 disruptions and localized security issues, implementation remained on track through adaptive management and strong partnerships. Sustainability was reinforced through eco-tourism training and private-sector support for ongoing monitoring. The project demonstrated a scalable, community-driven model for climate adaptation and environmental stewardship in the Caribbean.





Photo by UWI MGI.

KEY IMPACT & INDICATORS



- 15** hectares of mangroves rehabilitated
- 250** hectares of mangroves monitored and managed
- 300+** people trained
- 1M+** people reached through awareness campaign
- 5** communities established the community recycling programme
-  Wildlife sightings improved at Refuge Cay
-  Port Royal Marine Lab Biodiversity Centre refurbished
-  International Recognition: MGI won the Google Geo for Good Impact Award 2023/2024

ACTIVITIES AND AREAS OF WORK

- **Mangrove Restoration:** Baseline assessment of 265 ha; hydrological restoration across 5 ha; collecting and planting 10,167 seedlings across 10 ha; ongoing health monitoring; training mangrove wardens in nursery management and replanting
- **Pollution & Waste Management:** Waste engagement programme across five coastal communities; piloting a plastic recycling scheme; training environmental wardens via the Gully Marshall Programme; producing a Solid Waste Monitoring Report; raising awareness among 1,000+ students
- **Education & Livelihoods:** Training community members in mangrove conservation, waste management, video production, drone imagery, circular economy, and ecotourism (national certification)
- **Research & Knowledge:** Producing monitoring reports, transport modelling, policy outputs, and presenting at international conferences
- **Sustainability:** Securing site adoption by JPS Foundation; sustaining the recycling scheme and digital legacy beyond project end

CARIBBEAN BIODIVERSITY FUND

The Caribbean Biodiversity Fund (CBF) is a regional umbrella environmental fund dedicated to sustaining nature and improving lives through innovative financing solutions. The CBF through its three strategic programs: Conservation Finance, Climate Change, and Nature-based Economies collaborate with governments, communities, and development partners across the Caribbean region.

This project was financed by the CBF's EbA Facility with support from the German Federal Ministry for the Environment, Climate Action, Nature Conservation and Nuclear Safety (BMUKN) through the International Climate Initiative (IKI) and KfW.

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