

APPROVED

WIOSAP DEMONSTRATION PROJECTS

The Nairobi Convention's GEF-funded WIOSAP project strives to reduce land-based stresses on the marine and coastal environment in the Western Indian Ocean (WIO) region. To this end, the project is funding several demonstration projects in countries to address land-based stresses. The following eight proposals have been developed and approved by the WIOSAP Project's Steering Committee.

Integrated Coastal Zone Management (ICZM) in Malindi-Sabaki Estuary Area, Kenya

This project aims to enhance local authorities' capacity to implement ICZM by promoting an integrated approach to resource management, which would ensure that future development in the Malindi-Sabaki Estuary Area is sustainable and protective of the environment. Expected outcomes include improved mangrove and fisheries management; alternative livelihood options for the local community; and improved solid waste management.

Coral Culture for Small Scale Reef Rehabilitation in Mauritius

This project seeks to address the degradation of coral reefs in three coastal villages—Le Morne, Poudre D'Or and Bambous Virieux. The project will farm resilient coral species in nurseries before transplanting them in degraded reefs. It will also train communities on rehabilitation techniques and strengthen their awareness of reef conservation.

Habitat Restoration and attraction of seabirds to Ile aux Aigrettes (Mauritius)

This project wants to restore the native terrestrial habitat and seabird community in Ile Aux Aigrettes by reintroducing the native species to the island, which would help restore the functioning of the natural ecosystem. As a result of this project, the habitats for hundreds of pink pigeons, Mauritius Fodies, and olive white-eyes will be supported; fourteen hectares of land will be weeded of invasive species; and thousands of plants will be replanted.

Integrated Spatial Planning in Kilifi county, Kenya

This project seeks to support the development of a Kilifi County Spatial Plan, which would define sustainable land usage; support socio-economic development; ensure environmental sustainability, and provide strategies to deal with urbanization, transportation, agricultural expansion, and other threats.

Assessment of a Blue Carbon Ecosystem in Mauritius

This project aims at reducing the vulnerability of seagrass along Mauritius's coasts by monitoring their characteristics and identifying marine sensitive areas for future protection. The study will produce a map demonstrating the distribution patterns and abundance of seagrass. The project will also develop techniques for seagrass planting/rehabilitation and produce an economic valuation on these habitats.

Improving Mtwapa Creek Water Quality, Kenya

Shimo La Tewa prison, located near Mtwapa Creek, currently produces about 400 m³/day of wastewater, which is only partially treated before being discharged into the creek, thereby polluting the marine environment. A redesigned and rehabilitated wastewater treatment system is thus sorely needed to conserve the creek's marine resources. The project aims to use constructed wetlands to manage the prison's wastewater.

Monitoring Effluent Discharges, Water, and Sediment Quality in Madagascar

The Bombetoka Estuary is highly vulnerable to pollution from Mahajanga city's tourism, agricultural, industrial, and other sectors. The project will strive to improve water quality and sediments in the Bombetoka estuary by developing a regulatory framework and monitoring system—a framework which will provide the basis for the development of national wastewater standards.

Tackling Marine Litter in Five River Systems in Durban, Kwazulu-Natal, South Africa

Marine litter has become a pressing issue for South Africa. Using a 'Source to Sea' approach in five river systems in KwaZulu-Natal, the project intends to both reduce litter generation and recover litter with river basin-wide interventions. Under the project, targeted rivers will be mapped, collection points for the community and private sector identified, and litter recovery and recycling initiatives launched.

Several other proposals are at different stages in the development and approval process. For details on all proposals, visit unenvironment.org/nairobiconvention

