



KIWA
INITIATIVE

PEBACC+

Pacific Ecosystem-based Adaptation to Climate Change Plus



Project co-funded by



NEW CALEDONIA SNAPSHOT



Overview

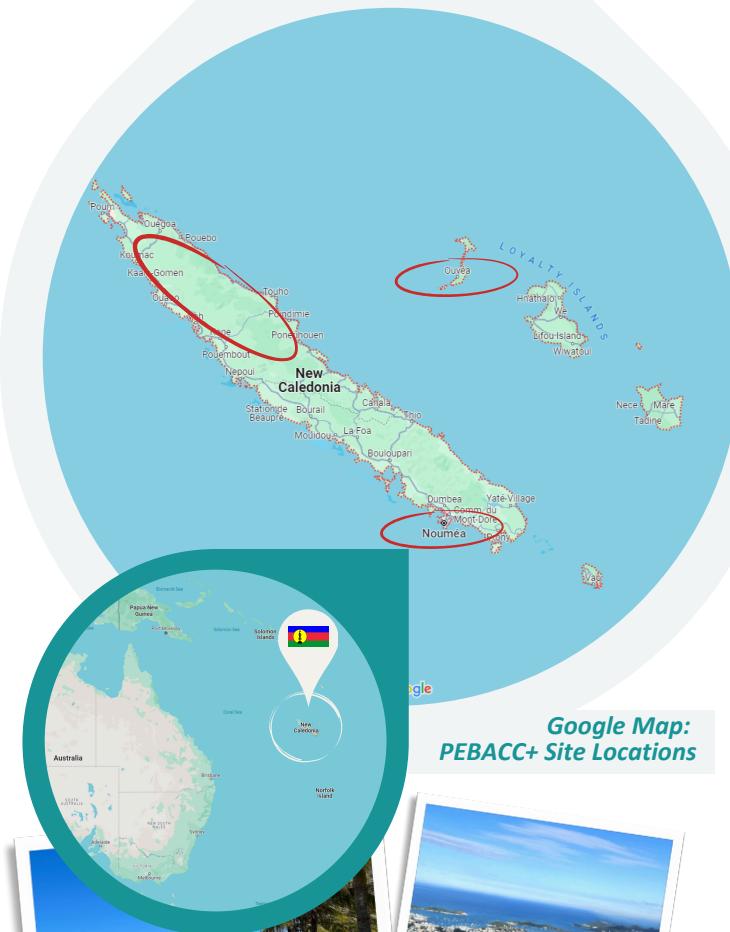
The Pacific Ecosystem-based Adaptation to Climate Change Plus/Phase 2 (PEBACC+) Project is a regional project implemented by the Secretariat of the Pacific Regional Environment Programme (SPREP) and funded by the Kiwa Initiative through the Agence française de développement (AFD) and the French Facility for Global Environment.

PEBACC+ Project aims to strengthen the resilience of ecosystems, economies, and people to the impacts of climate change. The Project will support the coastal protection of Ouvéa (Loyalty Islands Province), the restoration of urban mangroves in Greater Nouméa (South Province) and secure water provision in Kouaoua (North Province).

An Ecosystemic and Socioeconomic Resilience Analysis and Mapping process will enable New Caledonia to identify and prioritize Ecosystem-based Adaptation options and thus prepare for at-scale future interventions.

The Interventions

ECOSYSTEM AND SOCIO-ECONOMIC RESILIENCE ANALYSIS AND MAPPING (ESRAM) – The ESRAM process is to generate a robust planning baseline to inform the identification of EbA options for strengthening the socio-ecological resilience of selected areas to the impacts of climate change and direct anthropogenic impacts on ecosystems and socio-economy.



IN PARTNERSHIP WITH:

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EbA options will point to specific key climate change issues and specific sites for which impactful EbA projects can then be developed and implemented.

The objective of the ESRAM process is to raise awareness of key actors on the concept of ecosystem services to facilitate adoption of EbA and Nature-based

Solutions (NbS) approaches and the importance of ecosystem conservation under changing climate. ESRAM generates a robust information planning baseline and tool to inform the identification of EbA options for strengthening the resilience of decision-makers in different sectors and levels in planning for sustainable development and land use.

Demonstration Activities

MANGROVE AND COASTAL VEGETATION RESTORATION IN GREATER NOUMÉA

PEBACC+ is supporting province Sud 2030 Action Plan for Greater Nouméa Urban Mangroves. We are working with the provincial and municipal authorities, the University of New Caledonia and local civil society organisations (CSOs) to remove debris within water channels, we will restore the intertidal water flux and regime, thus supporting natural regeneration of a key urban 42 ha mangrove and its ability to filter sediments and pollutants, leading to the improved water quality and associated seagrass beds and coral reef condition of Baie de Sainte Marie, a key site for subsistence fishing and recreation within Nouméa city. PEBACC+ will also work to restore coastal ecosystems in 3 localities within the Greater Nouméa to contribute to coastline protection against erosion.

COASTAL VEGETATION PROTECTION IN OUVÉA

As a low-lying atoll, Ouvéa is susceptible to sea level rise and coastline erosion. Demonstration EbA activities will supplement light interventions already underway with

wooden pole to support sand accretion by engaging the local communities in coastal vegetation protection and restoration on the upper part of the beach/coastline.

WATER SECURITY IN KOUAOUA

Under increased droughts occurrence and intensity and increased extreme rainfalls, local communities, with the support of Kouaoua municipality, indigenous customary authorities, province Nord and government public authorities and various CSOs and non-government organisations (NGOs) are merging efforts towards Improved Fire management, invasive deer and pig control and agroforestry in order to secure safe drinking freshwater provision and also all values associated to rivers and field crops ability to deliver food security. Improved fire management is noticeably innovative, including the mobilization of Traditional Ecological Knowledge associated to fire-retardant plants and tree species to plant green fire-breaks in areas sensitive to fire ignition and around key areas dedicated to forest restoration.



Carry out ESRAM for New Caledonia

- leaf Engagement of public services, indigenous customary authorities and other key stakeholders in the ESRAM process
- leaf Synthesize existing information under a resilience analysis framework
- leaf Identify and map EbA option and prioritize them
- leaf Community outreach and awareness program for EbA and NbS on priority sites and options.
- leaf ESRAM report development and translation.
- leaf **Technical and financial support to water security in Kouaoua through improved fire management, invasive species control and agroforestry, Northern Province.**
- leaf **Technical and financial support for coastline protection in Ouvéa, Loyalty Islands province.**
- leaf **Support territorial actors in New Caledonia to integrate EbA into their strategic documents.**

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