



# PANAMA NATURAL FUND





# Panama Natural Fund



## BACKGROUND:

**The Panama Natural Fund** is an initiative designed to empower individuals and organizations to develop and implement innovative, science-based solutions to address the triple planetary crisis (climate change, biodiversity loss, and plastic pollution) in Panama. This proposal is based on institutional collaboration between the **Ministry of Environment (MiAMBIENTE)** and the **National Secretariat of Science, Technology and Innovation (SENACYT)**, to promote sustainable climate action and community resilience.





## Objectives

- Strengthen collaboration between scientific communities, NGOs, and key social actors.
- Increase investment in climate solutions.
- Implement innovative, science-based projects for Panama's sustainability and resilience.

## Components

- **Application and Selection Process:** A competitive system to identify and fund the most promising projects.
- **Capacity Building and Training:** Programs to equip beneficiaries with technical and scientific skills.
- **Shark Tank-style Fair:** An exhibition event where selected projects will be presented to gain additional support and expand their impact.
- **Project Implementation and Support:** Technical and financial assistance to bring ideas into action.
- **Monitoring and Evaluation:** Tracking and assessing each project to ensure goals are met and outcomes are improved.





## Progress and Achievements

The fund has already been designed, and the proposal has been validated by the Secretariat of Science and Technology, which will oversee the selection and evaluation of proposals. Strategic focus areas have been identified, and initial partnerships have been established to ensure the fund's success.

## Unique Selling Points

The Panama Natural Fund stands out for its innovative approach, combining science and community action through a transparent and competitive process, enhanced by high-visibility events like the “Shark Tank” fair. This structure will enable the discovery and scaling of transformative projects within Panama’s environmental sector, creating real and tangible impact.

## ¿Interested? ¡Support us!

- Participate as a mentor for technical advice.
- Become part of our donor network.







# AZUERO VERDE INICIATIVE

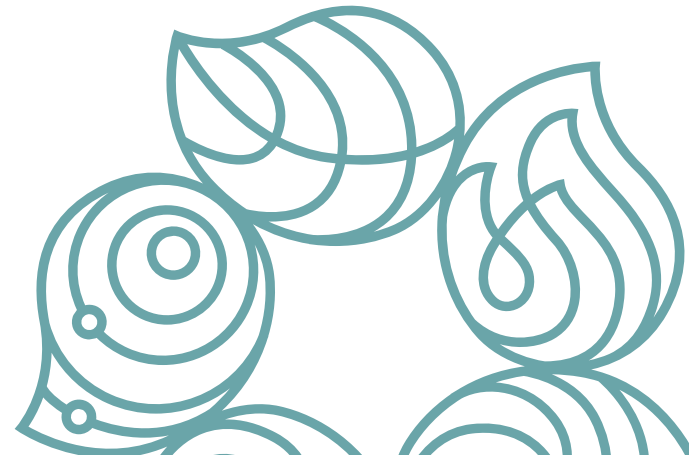


# Azuero Verde Initiative



## BACKGROUND:

**Azuero Verde** is a bold initiative by **MiAMBIENTE** to tackle environmental and social challenges in Panama's Azuero, Veraguas, and Chiriquí regions through forest restoration, water and waste management, and capacity-building to boost climate resilience. These areas face drought, rising temperatures, extreme rain, and soil and water degradation, impacting ecosystems and communities. The project focuses on nature-based solutions to promote climate adaptation and sustainability in these regions.





## Objectives

Increase the resilience of vulnerable communities through sustainable, nature-based solutions that support environmental health and local livelihoods.

### Specific Objectives

- Restore El Montoso Forest Reserve, Ciénaga de las Macanas, and Cenegón del Mangle.
- Improve water quality in the La Villa River watershed to support local communities.
- Reduce GHG emissions by tracking and minimizing polluting activities.
- Create a green corridor from El Montoso to Cerro Hoya National Park.
- Minimize landfill waste to extend site lifes promote pan and a circular economy.




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## Components

- **Water for All:** Install water harvesting, biodigesters, and water quality monitoring systems in La Villa River watershed.
- **Green Corridors:** Restore forests, create agroforestry systems, and green urban areas.
- **Green Economy:** Establish agroecological gardens and community composting, sorting, and recycling.
- **Protected Areas:** Rehabilitate infrastructure and strengthen local institutions.
- **Rural Development:** Support local entrepreneurship, ecotourism, and community tourism.

## Progress and Achievements

Azuero Verde has initiated reforestation, with 637 native trees planted in Herrera, engaging communities, local authorities, and volunteers. Partnerships with local leaders and strategic collaborations with government, NGOs, and businesses are underway to ensure success across key areas. Reforestation, green corridors, and urban greening are improving air quality and ecosystem resilience, while private sector support is fostering sustainable, low-carbon economies.

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## ¿Interested? ¡Support us!

- **Ecosystem Restoration Funding:** For reforestation and restoring protected areas in Azuero, Veraguas, and Chiriquí.
- **Nature-Based Solutions:** For climate adaptation projects and green infrastructure.
- **Local Capacity-Building:** For training on sustainable resource management and community networks.
- **Technology and Equipment:** For environmental monitoring tools (drones, weather stations, water sensors).
- **Water and Waste Management:** For sustainable water projects and rural recycling systems.
- **Research and Monitoring:** For studies to evaluate restoration strategies and track climate impacts.
- **Strategic Partnerships:** For alliances with global conservation initiatives.
- **Education and Awareness:** For environmental education in schools and local communities.
- **Community Resilience:** For projects increasing resilience to extreme weather, like rainwater harvesting.
- **Communication and Visibility:** For global campaigns to showcase Azuero Verde's positive impact.





# STRENGTHENING PANAMA'S COASTAL RESILIENCE



# Strengthening Panama's Coastal Resilience



## DESCRIPTION:

The project aimed to create a high-resolution database and develop practical tools and guidelines for assessing coastal risk, as well as recommendations for nature-based adaptation measures. It also includes training for experts at the Climate Change Directorate of Panama's Ministry of Environment on using the generated data. Additionally, the project produced projections for permanent and extreme coastal flooding in Panama by 2050.




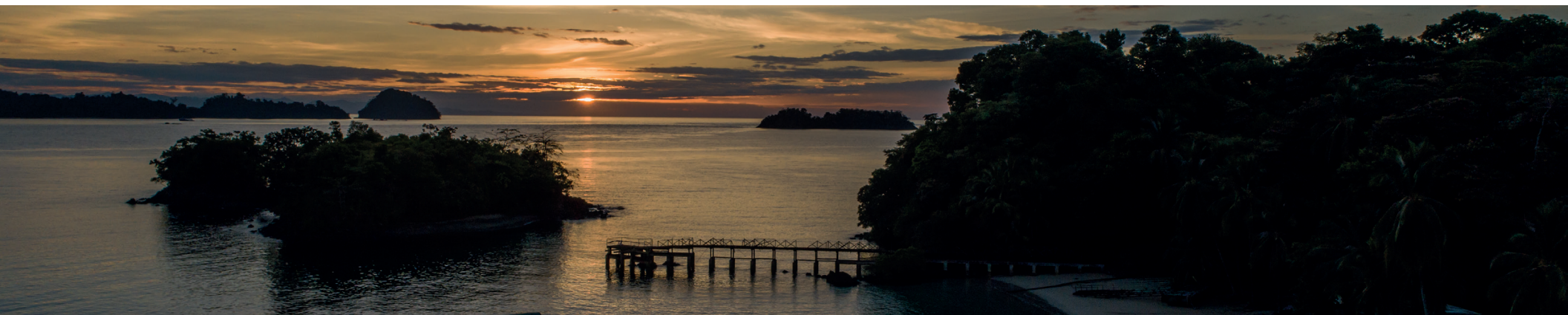


## Objectives

- Develop Panama's first national database of marine dynamics.
- Generate national projections of permanent and extreme coastal flooding by 2050 under SSP2-4.5 and SSP5-8.5 scenarios.
- Conduct a preliminary assessment of the most suitable adaptation measures for coastal areas nationwide.

## Components

- Review and mapping of current metocean conditions in Panama.
  - Development of high-resolution numerical data on marine dynamics.
  - Assessment of the temporal evolution of the national coastline.
  - Development of projections for permanent and temporary coastal flooding by 2050.
  - Assessment of Panama's coastal zone.
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## Progress and Achievements

An integrated national marine dynamics database has been developed, containing information on total water levels, tides, winds, and projections for permanent and extreme coastal flooding by 2050 under SSP2-4.5 and SSP5-8.5 scenarios. Additionally, a preliminary assessment of suitable adaptation measures for the nation's coastlines has been conducted.

### ¿Interested? ¡Support us!

- Develop a high-resolution bathymetric model that considers seafloor variability and specific characteristics of river mouths to provide a more accurate foundation for flood projections.
- Refine data in key areas through pilot projects that incorporate additional forces.
- Offer specialized training to national technicians to enable them to analyze and extract valuable information from the marine dynamics database, helping them create products to address specific coastal management needs.
- Implement pilot projects in vulnerable areas to test and refine nature-based adaptation measures, leveraging local knowledge and community participation.



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