

ECUADOR



GREEN
CLIMATE
FUND

GLOBAL
PROGRAMMING
CONFERENCE

Project title				
CLIMATE CHANGE ADAPTATION AND MITIGATION IN GALAPAGOS				
Result areas	Sector	Total financing, USD	GCF financing, USD	Financial instrument
Energy access and power generation Health and well being, food and water security Ecosystem and ecosystem services	Public & Private	USD 172,893,308	USD 73,756,000	Grant/Senior Loan
Description of specific climate change problem and how the project will address it	<p>Galapagos features two major challenges regarding climate change: i) reducing fossil fuel dependence; and ii) reducing climate change effects vulnerability of ecosystems, tourism, agriculture and population in face of adverse.</p> <p>The Programme will address it by:</p> <ul style="list-style-type: none">i) Maximizing resilience capacity of Galapagos through the change of its energy matrix, the development of climate-adaptive systems for food production, and management of its ecosystems, which uphold their main production activity: tourism;ii) Creating a model of climate-adaptive management for insular ecosystems worldwide, which allows to improve decision-making and definition of public policies. <p>The programme will benefit directly 30,000 people living in Galapagos and a floating population of 220,000.</p>			
Alignment with key country priorities and stakeholders engaged	<p>Each component of the Programme is aligned with Ecuador's national and local public policy. The first component is aligned with the PMEE, the PEGSAG and the First NDC of Ecuador; the second component, is aligned with the "Eco-sustainable Farming Plan for Galapagos" promoting resilient, profitable agriculture that fits the natural characteristics of the islands; the "Provincial Land Development and Management Plan" seeking to promote modalities of sustainable consumption and production and reduce energy and material flows from the mainland, which is in turn aligned with the "2019-2029 Invasive Species Management Plan for Galapagos". As regards the third component, the proposal sticks to the National Strategy in Climate Change (ENCC), which in the adaptation chapter proposes to: "To sustainably preserve and manage natural heritage and its land and marine ecosystems, to contribute with response capacity in the face of climate change impacts"; and lastly, the fourth component, it set up for being the information management and monitoring component, which cross cuts all the different plans and policies.</p>			

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Activities

- Implement electricity generation systems from renewable energy
- Implement climate-smart practices and technologies
- Landscape recovery of agro ecosystems
- Development of socio economic conditions for inclusive production
- DPNG institutional strengthening
- Management plan update
- Implementation of cc adaptation mechanisms
- Implement a system of local climate information and monitoring systems
- Creating and strengthening of seed banks
- Promotion of long term social commitment to ensure efforts sustainability

Expected outcomes

- Reduce greenhouse gas emissions by diversifying the islands' energy matrix.
- Implement an integrated model of climate-smart and inclusive agriculture and livestock production in the islands.
- Implement climate change adaptation measures for Galapagos protected areas.
- Improve the institutional response capacity in the islands in the face of climate change through the monitoring and scientific analysis of evidence, while in turn disseminating practices and knowledge across protected areas all along the Pacific.

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Paradigm shift potential

- Galapagos plays a key role in capacity building and institutional strengthening of Ecuador National System of Protected Areas, actively takes part in the exchange of knowledge, and maintains south-south cooperation relations with a series of countries and international initiatives. As a result, this Programme offers a strategic opportunity in terms of potential for replication and regional scale-up of their experiences in mitigation and adaptation to climate change.
- An exclusive component is proposed for the generation of information, knowledge and capacities applied to planning and decision-making. This centre of climate information and knowledge will help build capacities inside institutions of Galapagos to execute the Programme and will create learning opportunities for other actors and institutions in mainland Ecuador, and in countries of the region.
- The Programme seeks to catalyse the climate variable in an archipelago with sensitive population in the face of ecosystem vulnerability, the institutions of which have built substantial capacity in conservation and sustainable use of its biodiversity.
- The Programme is highly innovating. It proposes the adoption of new technologies for power generation, food production and biodiversity conservation in the islands. It promotes deep changes of the patterns of production and consumption, which in the short term will noticeably improve the carbon footprint of Galapagos by making it less dependent upon the mainland.
- The Programme will build local capacity, favorable conditions and enabling institutional elements for climate change adaptation and mitigation. It will do so through innovating financing models involving the creation of a SPV and the operation of different credit products, oriented to change the energy matrix, renovate technology and adopt climate change adaptation practices.