

Webinar:

Climate change adaptation on European islands



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LIFE IP CLIMAZ – REGIONAL PROGRAM FOR CLIMATE CHANGE AZORES

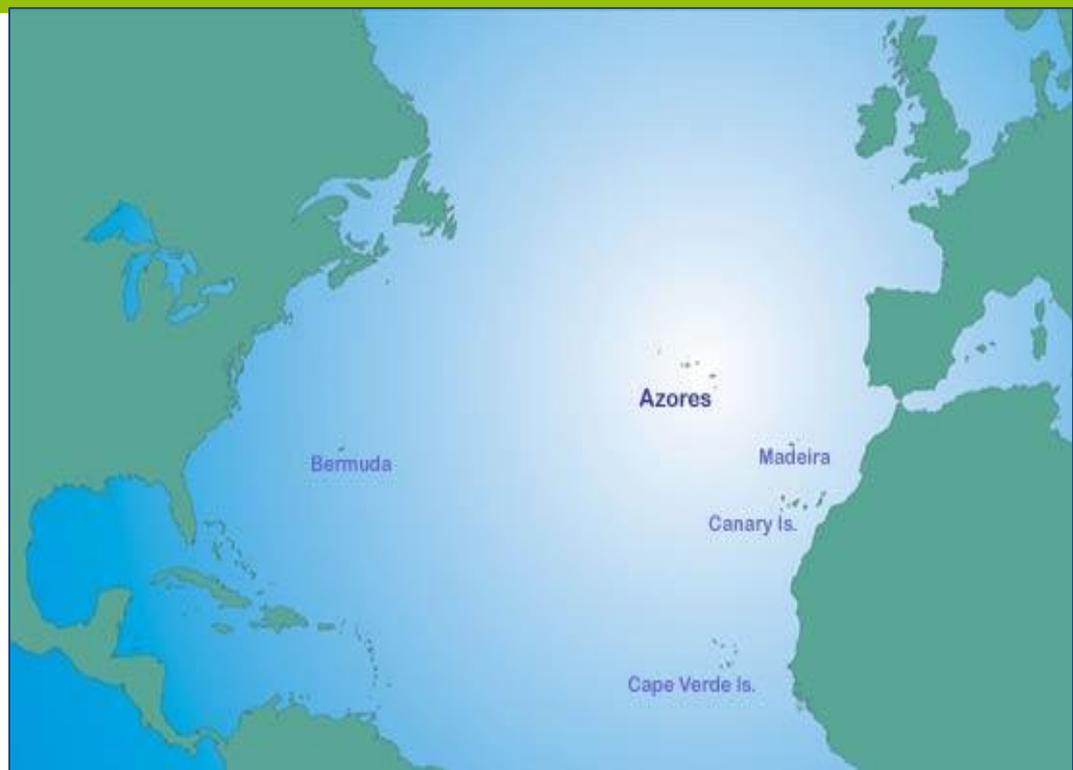


Coordinating Beneficiary:

Regional Directorate for Environment

Associated Beneficiaries:

- ✓ Regional Directorate for Energy
- ✓ Regional Directorate for Forest Resources
- ✓ Regional Directorate for Marine Affairs
- ✓ 2 municipalities
- ✓ 1 Electricity company (EDA)
- ✓ 1 Agricultural cooperative (CUA)
- ✓ 1 Environmental management & nature conservation society (AZORINA)



Total budget: 19 922 235 €

European Union comparticipation: 60%

Duration: 10 years (2021–2030)

Objectives

Contribute for the implementation of PRAC – Regional Plan for Climate Change - Azores

- ✓ Improve capacity, monitoring & reporting in climate change (CC) related matters
- ✓ Deliver CC and other sectoral Plans and Strategies
- ✓ Mitigation actions – limit GHG emissions
(agriculture, energy, transportation sectors, ...)
- ✓ Adaptation actions - Reduce negative consequences of CC
with Ecosystem-based approaches (forestry, land use and water sectors)
- ✓ Improve territorial resilience to CC
- ✓ Raise society awareness (CC) engaging governance / individuals / organizations



Actions

A.3 - Planning and defining policies for continuous adaptation / mitigation actions

Outline and implement

- ✓ Local climate adaptation strategy (municipal level)
- ✓ Specific Regional Plan for Management of Drought and Water Scarcity
- ✓ Regional Regulation on Transport and Distribution of Electricity in the Azores



Actions

A.3 - Planning and defining policies for continuous adaptation / mitigation actions

Review:

- ✓ **Regional Plan for Climate Change**
- ✓ **Regional Energy Strategy**
- ✓ **Regional Forest Strategy**
- ✓ **Regional Flood Risk Management Plan**
- ✓ **Regional Land Use Plan**
- ✓ **Land Use Plans for Specific Areas (hydrographic basin)**



Actions

C.1 – Internal (project beneficiaries) and External (PRAC related entities) Capacitation



Actions

C.2 – Data collection and Viability/Risk analysis

- ✓ Collect and analyze data on **landslide** in inland and coastal priority areas
- ✓ Monitor **biomass and carbon sequestration**
- ✓ Collect data on the **safety and viability in electricity supply**

C.11 – Information collection & management

- ✓ Increase coverage of **climate monitoring** in private farms (agrometeorological stations)
- ✓ Increase coverage/improve the accuracy of **climate and water monitoring** by the Regional Government (advanced meteorological stations and an extended water analysis plan)
- ✓ Create a **Coastal Management Group** to analyze all data related to coastal management



Actions

C.5 – Nature Based Solutions for adaptation/mitigation to CC

- ✓ **Remove Invasive Alien Species and plant Endemic species**
 - water reservoirs surroundings
 - coastal areas
 - inland waterlines
 - trails

- ✓ **Maintain and stabilize streams**



Actions

C.7 – Adaptation/mitigation in agriculture

- ✓ Demonstrative project: **biodiverse pasture resilient to CC**
- ✓ Pilot project: red algae (*Asparagopsis taxiformis*) to **feed cows (low methane emissions)**
- ✓ Pilot Project: reduce/cease pasture in previous **peatland areas**



Actions

C.8 – Adaptation/mitigation in the forestry sector

- ✓ Increase supply of **native/endemic species for Nature Based Adaptations**
- ✓ **Convert pasture areas and non-native forest into non productive native forest**
- ✓ Pilot project: use **thermal methods to control Alien Invasive Species**



Actions

C.3 – Promotion of decarbonization in transport

- ✓ EV Charging stations and EV (trucks, bus, cars)

C.4 – Promotion of shared and soft mobility

- ✓ Deployment of a shared mobility platform and a Bike lane

C.9 – Adaptation and Mitigation in the Production, Distribution and Use of Energy

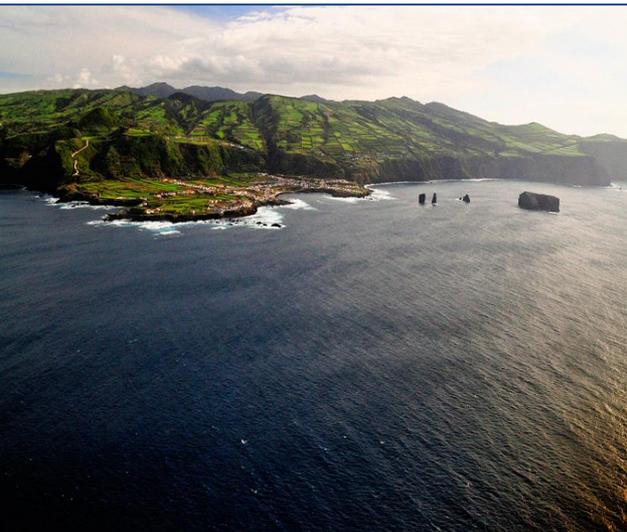
- ✓ Incentives to **substitute propane water heating** equipment by solar photovoltaic panels/heat pumps
- ✓ Pilot project to **reduce emissions from fossil fuel electricity generation** (HFO emulsification)
- ✓ Energy Storage systems -> allow for **higher RES penetration in the electricity mix**
- ✓ Start to develop **Smart Grids**



Actions

C.10 – Adaptation/Mitigation in the Costal/Marine environment

- ✓ Develop a **Marine Dynamic Protected Areas Management Model**
- ✓ Develop a **Multiparametric oceanographic network** to assess/monitor oceanographic patterns and CC data



Actions

E – Public awareness and dissemination of results

C.6 – Change specific behaviors

- ✓ Reducing bottled water consumption; increasing soft and electric mobility



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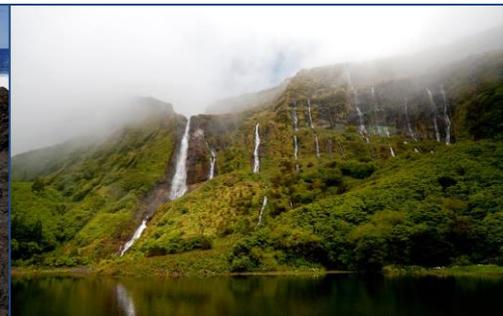
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Expected Results

- ✓ **Improve knowledge & management instruments** for adaptation & mitigation
(energy, forestry, tourism, watershed & coastal areas, agriculture and land use planning)
- ✓ **Improve resilience of habitats** through ecosystem-based adaptations
- ✓ **Promote decarbonization of transport** - demonstrative cases further leveraged
- ✓ Create an Open Desk office for **Coordination of Complementary Funds** to support PRAC
- ✓ Deliver an After-LIFE Plan / **Follow-up Program**
- ✓ **Leverage/ Replicate good practices (Azores and other places)**



Thank you for your attention

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