


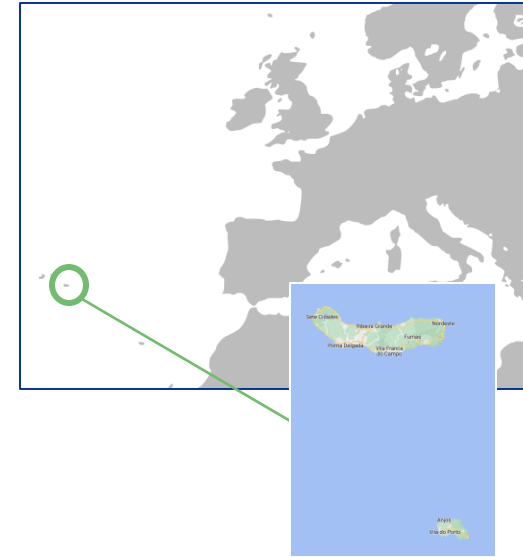
“The project addresses the current situation in Azores, where energy production is expensive, fossil-dependent and reliant on external supply.”

The EU Islands Facility NESOI is pleased to introduce the clean energy projects receiving its support:

H2AzoRES

H2 in Azores to enhance a green and RES-powered transition

Country  PORTUGAL	Islands SÃO MIGUEL & SANTA MARIA	Project promoter Eletricidade dos Açores, S. A. (EDA)	Sector Hydrogen	Project value 89,600,000 €
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What is the project about?

- The techno-economic feasibility of green H2 will be explored as an energy vector able to store the surplus from local renewable production, which presently is curtailed. Power-to-H2 solutions would help decarbonizing the local transport sector and Power-to-H2-to-Power solutions improving the RES share in the electricity system.
- Depending on the H2 potential on the lighthouse island of São Miguel, the viability of two different H2 export routes will be investigated: 1) fellow island with low RES share in the energy mix (within the Azores archipelago: Santa Maria); 2) other geographical islands (for instance Madeira).

How will the EU Islands Facility NESOI support the project?

- Analysis of existing planning documentation, identification of the project boundaries
- Assessment of the key project sizing drivers
- Identification of suitable technological options given existing project sizing requirements
- Definition of the required environmental permitting procedures, and Regulatory Framework study
- Cost Benefit analysis and socio economic and environmental impact evaluation
- Definition of the technical, economic and financial, fiscal project inputs
- Risk analysis and identification of available mitigation strategies
- Assessment of existing procurement options (e.g. tender, PPP, etc.)
- Financial modelling and identification of target scenario
- Identification of financing/funding options
- Dissemination Plan and assessment of replicability potential
- Action plan and identification of project monitoring procedures



The island of São Miguel in the Azores archipelago (Photo: Anton Zelenov)