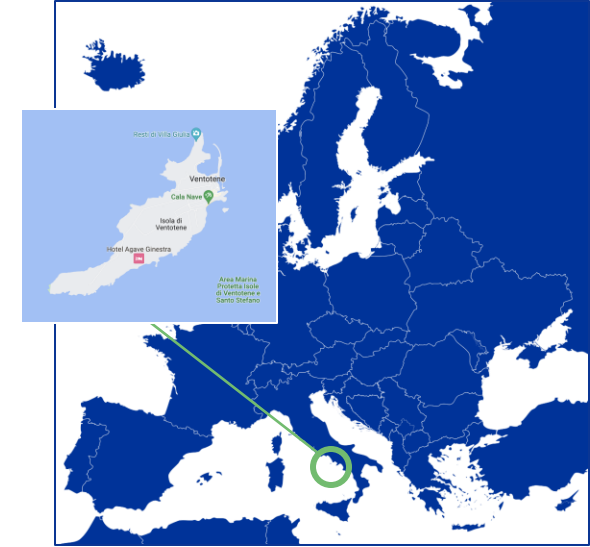



The EU Islands Facility NESOI is pleased to introduce the clean energy projects receiving its support:

# CHyAO

## Comprehensive Hydrogen Applications On island



“ To kick off the GH2 use, a new attraction for the island will be investigated: a GH2 scooter sharing service, the first of its kind in Italy. ”

<b>Country</b>  ITALY	<b>Island</b> VENTOTENE	<b>Project promoter</b> Associazione Nazionale Comuni Isole Minori (ANCIM)	<b>Sector</b> Hydrogen	<b>Project value</b> 2,000,000 €
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### What is the project about?

- The project aims at developing a comprehensive feasibility study to foster the green hydrogen (GH2) uptake in small islands, with a special focus on the Italian context. GH2 is foreseen as the main future energy vector able to couple multiple sectors with a strong decarbonizing effect.
- Being an innovative topic, GH2 is almost unknown to small municipalities and new energy policies must be defined from scratch. CHyAO's objective is to fill this knowledge gap addressing GH2 use in islands, especially in the transport sector as an effective measure against pollution.

### How will the EU Islands Facility NESOI support the project?

- Assessment of the key project sizing drivers taking also into consideration local constraints
- Identification of suitable technological options given existing project sizing requirements
- Definition of the required environmental permitting procedures given the identified project options
- 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
- Action plan and identification of project monitoring procedures



The island of Ventotene

(Source: Leonar do.it)