

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

## GEO-LESVOS

Clean energy transition of West Lesvos through the exploitation of the rich geothermal potential of the island



“ Besides heating energy, the project may offer in the future cooling energy as well, thus reducing the summer burden to the local grid. ”

<b>Country</b>  <b>GREECE</b>	<b>Island</b> <b>LESVOS</b>	<b>Project promoter</b> <b>Municipality of West Lesvos</b>	<b>Sector</b> <b>Geothermal energy</b>	<b>Project value</b> <b>2,537,000 €</b>
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### What is the project about?

- The project concerns the preparation of final studies and tender documents for the exploitation of the Polichnitos' low enthalpy geothermal field and the development of a district heating network (DHN).
- The geothermal energy will be used for district heating of public buildings, in the settlement of Polichnitos and distribution of thermal energy to third parties for the heating needs of greenhouse facilities, agri-food businesses, hotels, etc.
- The possibility to launch an energy community and other projects (exploitation of other geothermal fields, solar panels) will also be studied.

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

- Analysis and critical review of the existing project documentation
- Review or completion of energy audits and technical dimensioning of the project
- Critical review of the Cost Benefit analysis and socio economic and environmental impact evaluation
- Risk analysis and identification of available mitigation strategies (e.g. procedural, technical, contractual, etc.)
- Definition of the targeted tendering procedure and guidelines for the works/service provision contracts
- Action plan and identification of project/process monitoring procedures
- Drafting of works/services tender documentation
- Economic and Financial planning and economic-financial feasibility assessment
- Identification of potential financing options
- Contractual, Governance and Regulatory options on Energy Communities



**Polichnitos** (Photo: Nektar ia Kar akla / wikipedia)