

WP3 – Summary Results/Indicators of Investment Plans carried out by each STEPPING partner

- **picture of concerned building**



- **General description of the pilot and its location**

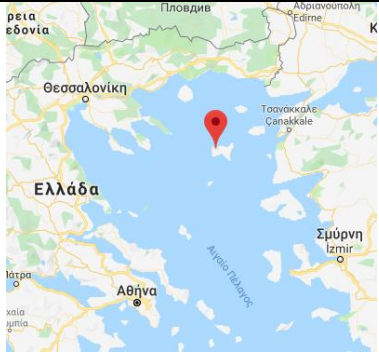
- The project is focusing in the North Region of the Aegean Archipelago, in the Municipality of Limnos.

The Initial approach adopted by AEGEA was to look for buildings not supported by ESIF and that are fit for EPC, namely buildings that are energy intensive and are subject to multiple uses. (e.g. Hospitals/town halls). Yet the limited number of hospitals on islands, the fact that ESIF has been made available for the retrofitting of schools coupled with the general reluctance from municipalities to opt for EPC have resulted in selecting schools and opting for the combination of ESIF with EPC. Moreover, municipalities with an (island) Sustainable Energy Action Plan have been prioritized.

Another reason for selecting schools, is that together with hospitals, they receive the highest evaluation under the ESIF evaluation criteria. Therefore, to secure funding, submitting proposals for hospitals and schools was the only choice.

Specifically for the Municipality of Limnos, the building selected is the following:



Municipality	Population	Province	Settlement	
Limnos	17.000	North Aegean	Moudros	
Buildings: 1. Technical School of Moudros				

- Responsible project partner details**

Organisation name	AEGEA
Name of the STEPPING referent	Alkisti Florou
e-mail	alkisti@aegean-energy.gr

- Summary/Results Indicators**

No. of Municipalities/Public Bodies involved	1
No. of buildings (bundled EPC)	1
Degree Days	1.115 combined Heating (base : 18 ° C) and Cooling Degree Days (base : 28,5 ° C)
Heated volume (m3)	11.835



Usable area (m2)	3.945
Total Investments needed (€)	366 k€
Loan by the Public Body? If yes, amount (€)?	Not available
Available public funding/incentives considered (€)	Up to approximately 90%
VAT (%)	24%
Energy vector included? If yes, related value (i.e. €/standard cube metre of methane gas and or €/kWhe)	No
O&M included? If yes, related value (€)	No
Typology of ECM- Energy Conservation Measures (description)	New heating systems Improvement in building's Energy Management Replacing lighting - new LED luminaires
Energy saving (%)	40
kWh ANTE and kWh POST implementation ECMs (not standard but resulting from the energy audits)	Ante : 885MWh / year Post : 527 MWh / year
Avoided CO2 emissions (kgCO2/y)	77 703kg CO2/year

