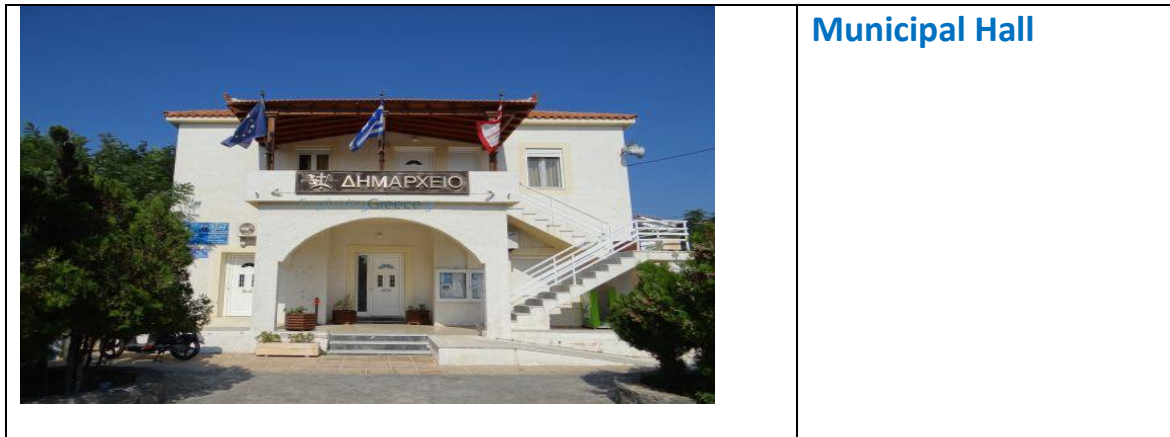


## WP3 – Summary Results/Indicators of Investment Plans carried out by each STEPPING partner

- 4 pictures of concerned buildings

	<p><b>Primary School of Psara</b></p>
	<p><b>Local Infirmary</b></p>
	<p><b>Multipurpose Hall</b></p>





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

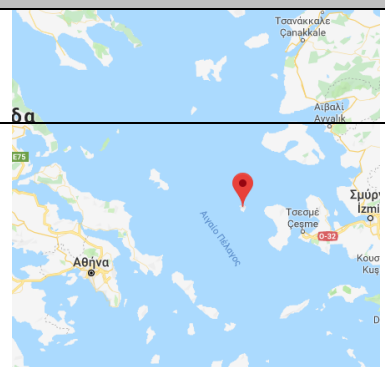
- The project is focusing in the North Region of the Aegean Archipelago, in the Municipality of Psara. Psara Municipality is a single island municipality, in the North Aegean. Psara is considered a small island with few resources and limited investing capabilities.

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 Psara, the buildings selected are the following:

Municipality	Population	Province	Settlement	
Psara	446	North Aegean	Psara	



Buildings:	
<ol style="list-style-type: none"> <li>1. Primary School of Psara</li> <li>2. Local Infirmary</li> <li>3. Multipurpose Hall</li> <li>4. Municipal Hall</li> </ol>	

- **Responsible project partner details**

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

- **Summary/Results Indicators**

<b>No. of Municipalities/Public Bodies involved</b>	<b>1</b>
<b>No. of buildings (bundled EPC)</b>	<b>4</b>
<b>Degree Days</b>	<b>1.115 combined Heating (base : 18 ° C) and Cooling Degree Days (base : 28,5 ° C)</b>
<b>Heated volume (m3)</b>	<b>2709</b>
<b>Usable area (m2)</b>	<b>903</b>
<b>Total Investments needed (€)</b>	<b>612 k€</b>
<b>Loan by the Public Body? If yes, amount</b>	<b>Not available</b>



(€)?	
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)	Improvements in envelope insulation  New heating systems  Replacing lighting - new LED luminaires  Solar DHW systems installed  Windows and doors replacement with new Low-E frame and glass  Sensors (light, movement) installed  RES installation
Energy saving (%)	66
kWh ANTE and kWh POST implementation ECMs (not standard but resulting from the energy audits)	Ante : 323 MWh / year  Post : 177 MWh / year
Avoided CO2 emissions (kgCO2/y)	20378 kg CO2/year

