

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

- 3 pictures of concerned buildings



**Primary School
Thymaina - Fournoi**



**Primary School
Fournoi**





**Primary School
 Chryssomilia - Fournoi**

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

The project is focusing in the North Region of the Aegean Archipelago, in the Municipality of Fournoi consisted of a complex of small islands in the east of the Archipelago.

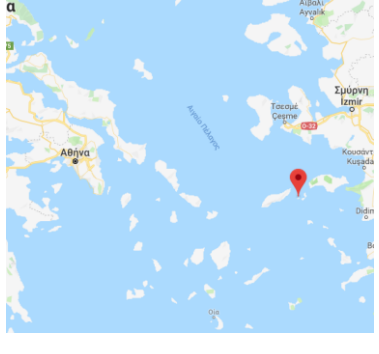
The Initial approach adopted by AEGEA was to look for buildings not supported by ESIF and that are fit for EPC, namely buildings that are energy intensive and are subject to multiple uses. (e.g. Hospitals/town halls). Yet the limited number of hospitals on islands, the fact that ESIF has been made available 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 Fournoi, educational buildings were selected. These are the following:

Municipality	Population	Province	Settlement	



Fournoi Korseon	1.313	North Aegean	Chora Chrissomilia Thymaina	
Buildings: <ol style="list-style-type: none"> 1. Primary School of Thymaina 2. Primary School of Chrysomilia 3. Primary School of Fournoi 				

- Responsible project partner details**

Organisation name	AEGEA
Name of the STEPPING referent	Alkisti Florou
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- Summary/Results Indicators**

No. of Municipalities/Public Bodies involved	1
No. of buildings (bundled EPC)	3
Degree Days	1.115 combined Heating (base : 18 ° C) and Cooling Degree Days (base : 28,5 ° C)
Heated volume (m3)	2285
Usable area (m2)	762
Total Investments needed (€)	383 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)	<p>Improvements in envelope insulation</p> <p>New heating systems</p> <p>Improvement in building's Energy Management</p> <p>Replacing lighting - new LED luminaires</p> <p>Solar DHW systems installed</p> <p>Windows and doors replacement with new Low-E frame and glass</p> <p>Sensors (light, movement) installed</p> <p>RES installation (geothermal system) for School of Fournoi</p>
Energy saving (%)	70
kWh ANTE and kWh POST implementation ECMs (not standard but resulting from the	Ante : 224 MWh / year



energy audits)	Post : 56 MWh / year
Avoided CO2 emissions (kgCO2/y)	26 390kg CO2/year

