

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

- **3 pictures of concerned buildings**

		
Campori Castle - Soliera	Municipal building – Soliera	Orso biondo primary school - Carpi

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

Carpi is a municipality in the province of Modena with 71,814 inhabitants while Soliera is a town of 15,144 inhabitants. Both are part of the Terre d'Argine Union.

The 2 Municipalities made 9 buildings available to the project and out of them it was decided to intervene on 5 buildings through the energy requalification based on the needs of the Municipality and the technical analysis derived from the energy audits carried out.

Both the municipality of Carpi and Soliera have two contracts in place, now expiring, within which redevelopment interventions were planned.

Today the expiring Italian legislation of a contract provides some alternatives:

- extend the existing contract;
- call a new tender procedure;
- sign national and/or regional agreements;

The proposal of tender presented to the two Municipalities definitely helped them in making a decision over the 3 options (they finally went for the signature of a regional agreement for the energy service).

- **Responsible project partner details**



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- **Summary/Results Indicators**

No. of Municipalities/Public Bodies involved	2
No. of buildings (bundled EPC)	9 but finally selected 5
Degree Days	2.249
Heated volume (m3)	28727,84
Usable area (m2)	7763,21
Total Investments needed (€)	194.055€
Loan by the Public Body? If yes, amount (€)?	No
Available public funding/incentives considered (€)	67.852 € from national incentive called “Conto termico”
VAT (%)	22%
Energy vector included? If yes, related value (i.e. €/standard cube metre of methane gas and or €/kWhe)	103.060 smc Methane
O&M included? If yes, related value (€)	10.054,74 €



Typology of ECM- Energy Conservation Measures (description)	Installation of thermostatic valves Generator replacement Replacing frames + thermostatic valves Roof insulation Condensing boiler
Energy saving (%)	8,90%
kWh ANTE and kWh POST implementation ECMs (not standard but resulting from the energy audits)	971.008 kwht ANTE 884.546 kwht POST
Avoided CO2 emissions (kgCO2/y)	18.157 kg

