

WP3 – Summary Results/Indicators of tenders launched by each STEPPING partner

- **3 pictures of concerned buildings**



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

The Investment Plan involves 7 public buildings belonging to the Italy's National Metrology Institute, namely INRiM. The research centre is settled in Torino, in the West-North part of the Piemonte Region. All buildings are used as office and labs. The overall heated surface of the pool of the buildings is nearly 17.804 sqm, with an heated volume of about 91.748 cubic meter and a baseline consumption of 472.217 cubic meter of natural gas. All buildings are supplied with the same heating system.

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The following tender documents have been prepared for the tender procedure:

- Call for tender
- Tender specifications
- Operation and management Plan
- Performance Measurement and Verification Plan (either for thermal and electric consumption)
- Templates for delivering the bid (administrative modules, technical and economic offer modules)
- Contract template with risk matrix allocation

Several meetings took place between the technical assistance service and INRiM in order to define the tender documents. A formal decision to go on with the investment plan presented was taken by the

INRIM's management board on the 25th of June. The final draft of documents have been sent to the Research institute at the beginning of October and then forwarded to SCR, the contracting authority selected to manage the tender procedure. Finally, on the 30th of October the public call was launched.

- **Responsible project partner details**

Organisation name	Piemonte Region Environment Park
Name of the STEPPING referent	Silvio De Nigris Stefano Dotta
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- **Summary/Results Indicators**

No. of Municipalities/Public Bodies involved	1 INRiM national metrology institute
No. of buildings (bundled EPC)	8
Heating Degree Days and Cooling Degree Days	2.434
Heated volume (m3)	91.755
Usable area (m2)	18.805
Total Investments (€)	1.600.351
Loan by the Public Body? If yes, amount (€)?	No
Available public funding/incentives considered (€)	Yes. About 50% of the investments planned.
VAT (%)	22%

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 (€)	73.000 €
Contract duration (years)	15
Typology of ECM- Energy Conservation Measures (description)	<p>A set of measures for each building such as:</p> <ul style="list-style-type: none"> ● insulation of roofs ● insulation of envelopes ● change of windows ● change of indoor light ● change of external light ● FV plant <p>The above list is only indicative and details are provided for each building in the audits. In any case it is the ESCO that is asked to provide its own solutions during the bid delivery.</p>
Energy saving (%)	<p>27% for thermal energy</p> <p>85,5% for electricity</p>
kWh ANTE and kWh POST implementation ECMs (not standard but resulting from the energy audits)	<p>For each energy carrier an energy baseline is fixed:</p> <ul style="list-style-type: none"> ● ANTE: 282.328 Sm³ for natural gas, 623.597 kWh for electricity;
Avoided CO2 emissions (kgCO2/y)	N.A.
Yearly fee (€/y), possibly with details on how it is split out	<p>Total fee: € 260.311</p> <p>Energy saving fee: € 187.311</p> <p>Maintenance fee: € 73.000</p>

