

Province of Ferrara



Location	Emilia Romagna region, Italy
Beneficiary	SIPRO (<i>Agenzia Provinciale per lo Sviluppo</i>), Development Agency of the Province of Ferrara. SIPRO's shareholders: all the 24 Municipalities of the Province of Ferrara, Provincial Authority of Ferrara, Chamber of Commerce of Ferrara and three Financial Institutions.
Member of Covenant of Mayors Initiative	Member of the Covenant of Mayors
eeef TA contribution	EUR 389,500
Project development services financed by eeef	<ul style="list-style-type: none"> • Technical support in the project development phase, to perform the initial studies and energy audits on public buildings and street lighting infrastructure, defining the minimum energy and cost savings expected. • Legal advice to structure the public procurement process and set up the legal framework regarding the ESCO selection • Definition of a measurement and verification system to monitor the achieved savings during the project implementation phase
Timeframe for TA	Completed by November 2019
Description of the envisaged investment program	<p>The investment program of the Province of Ferrara addresses the implementation of energy efficiency measures in several municipalities, to prevent high energy consumption and heat losses. The municipalities directly involved in this TA facility are: Ferrara, Cento, Mesola and Voghiera. The planned measures are:</p> <ul style="list-style-type: none"> - Street lighting upgrade: upgrade of 26,600 public lighting points to LED technology and infrastructure upgrade. The lighting points are located in the municipalities of Ferrara and Voghiera. - Municipal buildings upgrade: deep energy retrofit of 12 selected buildings (schools, offices, town halls and sport facilities) to reduce the consumption of electricity and heat. Buildings are located in three different municipalities - Ferrara, Mesola and Cento – and will benefit of measures such as thermal insulation and window replacement, replacement of boilers with modular systems, thermostatic valves, adoption of management and control systems.
Investment required	Total project volume of EUR 30.4m, which includes EUR 29.2m for street lighting upgrade (EUR 28.8m in Ferrara and EUR 0.44 in Voghiera) and EUR 1.3m for building upgrade.
Expected results	<ul style="list-style-type: none"> • Target energy savings (MWh) : <ul style="list-style-type: none"> - Building renovation: 2,110 MWh - Public lighting: 17,525 MWh Total: 19,636 MWh • Greenhouse gas emissions reduced/avoided in tCO₂eq: total 2,976 tCO₂ • Jobs created/sustained: 175 FTEs
eeef's support to the investment program	eeef targets to contribute to finance the investment program.