

PROVINCIAL TECHNICAL ASSISTANCE RESOURCES FOR INVESTMENTS AND DEVELOPMENT ON ENERGY EFFICIENCY



PARIDE

PROJECT SUMMARY

Country: Italy

5 partners: Province of Teramo, AGENA, 3 associations of municipalities

32 Municipalities involved

Sector: public street lighting

Main objective: to facilitate the mobilisation of funds for investments in small and medium-sized municipalities which, if not aggregated, could not make the upgrade of street lighting economically viable.

Estimated investments: 16.500.000 Euros

BACKGROUND

1. September 2009 – official recognition of the Province of Teramo as covenant coordinator for its 47 municipalities
2. 47 municipalities signatories of the Covenant of Mayors' initiative and development of SEAP
3. Municipal BEIs show that almost 70% of local electricity energy consumption is due to street lighting
4. Current state of public lighting facilities: 27% of inefficient light lamps and outdated installations; 12% of stepless dimming; 88% of ferromagnetic controllers
5. Lack of technical capacity to develop large programmes, limited public resources, low previous experience in Energy Performance Contracts with Result Guarantees.

OBJECTIVES

- 1.to prepare 3 sustainable energy projects in street lighting sector
- 2.to overcome the economic and cultural barriers by defining a common standard approach, resulting in a new way of managing street lighting installations through private companies/ESCOs
- 3.to create economies of scale and take advantage of joint procurement
- 4.to generate positive synergies between ATs, relevant stakeholders and private companies/ESCOs
- 5.to consolidate and / or create job opportunities
- 6.to transfer the PARIDE approach across Italy and Europe

MAIN STEPS

- 1.set up a support unit
- 2.make a detailed inventory of the existing lighting stock
- 3.define tender specifications in order to select a procedure for the implementation of investments via private/companiesESCOs
- 4.launch a tender for 3 bundles of municipal street lighting facilities
- 5.sign contracts to be financed by private companies/ESCO's in Energy Performance Contracts

EXPECTED IMPACTS

- 1.Reduction of electricity consumption of public lighting higher than 44%
- 2.Reduction of CO2 emissions by over 6.800 tonnes per year
- 3.Reduction of primary energy consumption over than 2.600 toe per year.

PARTNERS & CONTACT

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PROVINCIA
DI TERAMO

PARTNERS

AGENA



ATS Paride Gran Sasso

ATS Paride Costa Blu Nord

ATS Paride Costa Blu Sud