

ELENA PROGRAMME IN LIGURIA REGION A SUPPORT SCHEME FOR SEAPs

Thematic Workshop- The Monitoring process of Sustainable Energy Action Plans

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IRE SpA – Regional Agency of Liguria

IRE SpA was founded in 2014 by the merger of the three following companies, according to the Regional Law n°6/2011:



IRE SpA is the Regional Agency for the refurbishment, management and development of the Regional infrastructures and it represents the operative tool within energy and public housing sectors.

The Energy Department of the new company **is carrying on the activities originally assigned to ARE Liguria**, the Energy Agency of Liguria Region, dealing with:

- **Regional and local energy planning**
- **Energy efficiency**
- **RES and distributed generation**
- **Energy management**
- **Training and communication**
- **Support to Liguria Region**
- **European projects**

European Local Energy Assistance (ELENA)

- The European Local Energy Assistance (ELENA) facility provides **financial and technical assistance to help local and regional authorities attract funding for sustainable energy projects.**
- Run by the European Investment Bank (EIB), it is funded through the European Commission's Intelligent Energy-Europe programme.
- ELENA covers up to 90% of the **technical support cost needed to prepare, implement and finance the investment programme.** This could include feasibility and market studies, energy audits and tendering procedure preparation.
- With solid business and technical plans in place, this will also help attract funding from private banks and other sources, including the EIB.

The Province of Savona and the ELENA project

IRE SpA, has supported the Province of Savona in submitting a request for a **technical assistance funding in the framework of ELENA programme.**

The Province of Savona is one of the 4 provinces in which Liguria Region is divided into, with 286.000 inhabitants and an area of 1,500 sq kilometres of valleys and mountains facing the Mediterranean Sea.



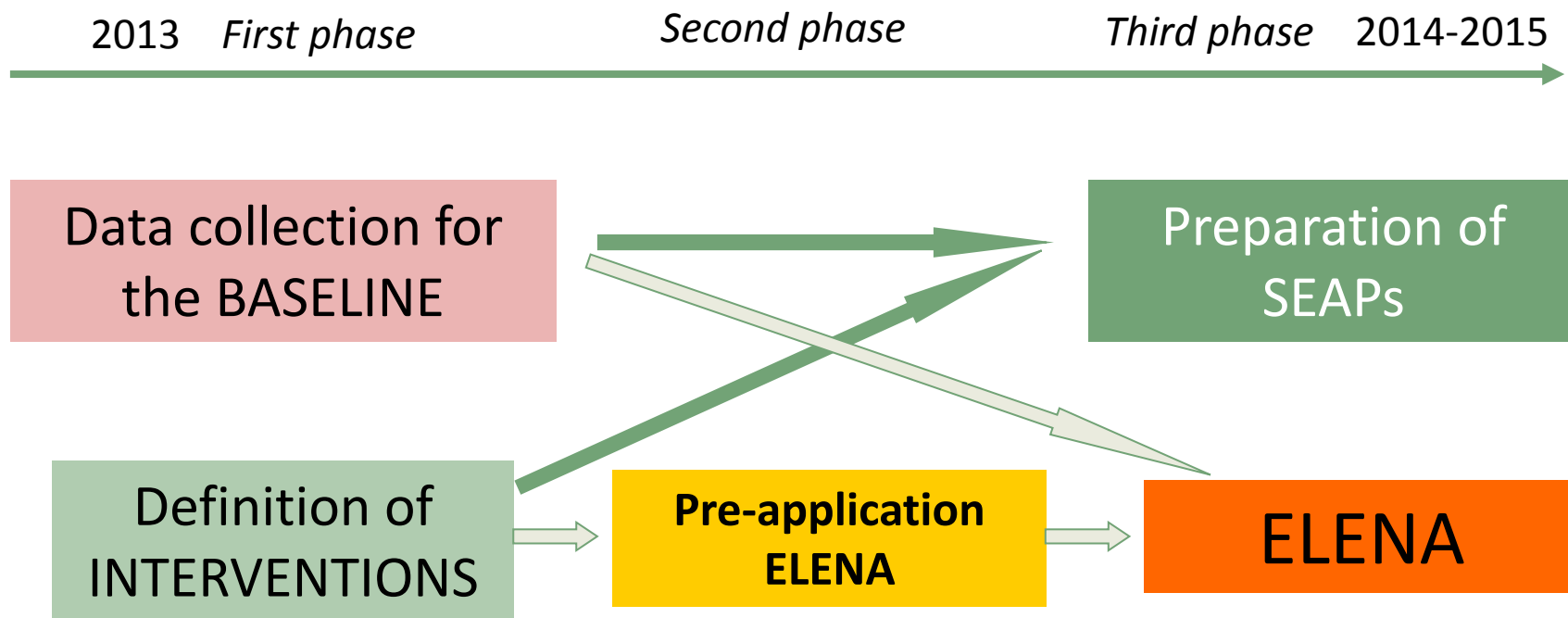
The Province of Savona and the ELENA project

- In 2011 the Province became Covenant of Mayors Territorial Coordinator and started promoting the take up of the CoM initiative among its 69 municipalities.
- The Province coordinated the municipalities participation to the investment programme through the set up of a **Steering Committee and the signature of an agreement** in order to cofinance the SEAP elaboration and provide data also in the view of submitting the ELENA request for funding.

The Province of Savona and the ELENA project

- So far 30 municipalities have signed the CoM agreement and have submitted their SEAPs supported by IRE and the University of Genoa.
- All the activities that IRE carried on with the Municipalities of the Province for their SEAPs formed **the basis of the data collection process also for the ELENA application.**

The operative phase- SEAPs and ELENA



IRE coordinated all the activities related to ELENA and SEAP at the same time in order to optimize time and results.

Specific forms and questionnaires were provided to the municipalities to collect the data for the Baseline and to identify interventions to include in ELENA.

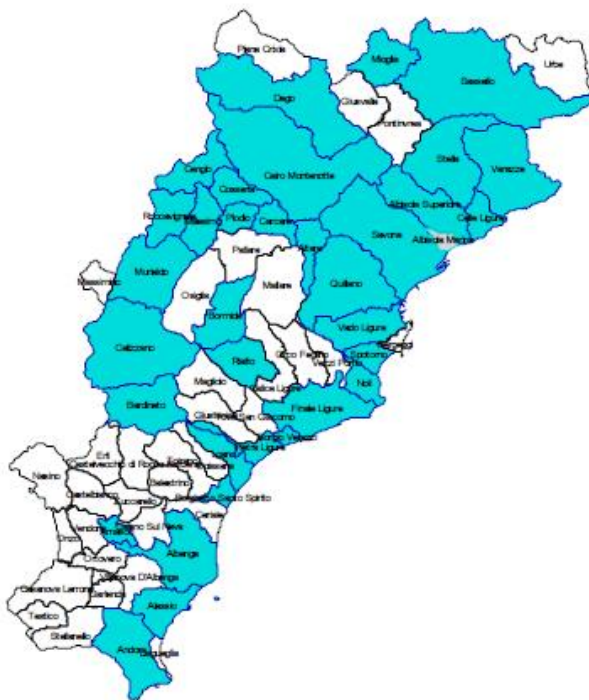
The Province of Savona and the ELENA project

The role of IRE SpA, as Local Energy Agency supporting the Province of Savona, **was crucial for all the technical and coordination** activities with particular reference to the following aspects:

- Contacts with municipalities in order to collect further energy data;
- Surveys on the territory in order to better analyze the target municipal buildings;
- Estimates of the energy savings related to the interventions proposed on the buildings;
- Assessment of the RES projects provided by the municipalities.

Province of Savona Pact for Energy Efficiency and Renewables - PROSPER

The ELENA investment programme will directly involve the following **33 municipalities (equal to 235.000 inhabitants representing 83% of the total inhabitants of the Province)**:



-Located inland: Altare, Arnasco, Bardinetto, Bormida, Cairo Montenotte, Calizzano, Carcare, Cengio, Cosseria, Dego, Millesimo, Mioglia, Murialdo, Plodio, Quiliano, Roccavignale, Sassello, Stella;

-Located on the coast: Andora, Alassio, Albenga, Albisola Superiore, Borghetto Santo Spirito, Borgio Verezzi, Celle Ligure, Finale Ligure, Loano, Noli, Pietra Ligure, Savona, Spotorno, Vado Ligure, Varazze.

PROSPER

Sectors involved

Energy Efficiency in buildings and public lighting, Renewable Energy (biomass, PV), Energy Efficiency in drinking water supply systems

Investment to be mobilized

Investment sector	Investments (MEUR)
EE in public lighting	12.3
EE in buildings (incl. solar thermal)	21.5
Biomass in greenhouses	2.3
Mini-hydro power plants	1.0
PV in buildings	4.9
Total	42.0

PART A – 31.4 MEUR
Calculated in ELENA Technical Assistance funding

PART B – 10.6 MEUR
involved in European Regional Structural Funds

For more details....



PROSPER

PART A – 31.4 MEUR

- Energy efficiency on **PUBLIC LIGHTING**: 20.918 lamps in 19 municipalities + Province's street lighting (total 21.886);
- **ENERGY EFFICIENCY** in **151 buildings** (municipal offices, housing for the aged, sport facilities and 73 schools): facades insulation, cover insulation, heating...
- **14 BIOMASS BOILERS** to serve **24 public buildings** in 9 different municipalities;
- **SOLAR THERMAL PLANTS** in **18 buildings** (sport facilities or residence for the aged) for a total of 250 square meters of panels;
- **14 biomass boilers** are also foreseen in the **GREENHOUSES**, to replace the current obsolete diesel heaters.
- **3 MINI-HYDRO PLANTS** to be installed on the aqueduct pipelines globally reaching 690 kW.

PART B – 10.6 MEUR

The part B of investments programme includes interventions with a long payback time, that will be implemented by the municipalities themselves through European Structural Funds:

- **ENERGY EFFICIENCY** (windows substitution, insulation, cover) in 44 buildings;
- **PHOTOVOLTAIC** and **SOLAR THERMAL** plants.

PROSPER

Some key numbers.....

Total Investment	42.000.000 EUR
Total Project Development Services (PDS) cost	EUR 1.460.000
ELENA contribution	EUR 1.341.000
Leverage factor	1:32
Timeframe	January 2015 till December 2017
Project status	Contract signed 17th December 2014

PROSPER

The Work team involved

ELENA financed the Setup of a **Project Development Unit (PDU)** staffed with a lawyer, an engineer, an accountant and finance manager and an assistant. **External expertise will be needed for technical expertise** (audits, tender preparation), **financial expertise** (cost base line, budget preparation) and **legal expertise** (tender documents, EPC contracts).

The PDU activities

- Communication;
- Coordination with Municipalities;
- Technical coordination (advisors);
- Connection with BEI.

The expected results

ENERGY EFFICIENCY – saved 19,6 GWh per year.

RENEWABLE ENERGY – in total 15,1 GWh of which 8,5 Thermal Renewable Energy and 6,6 GWh Renewable Energy electricity generation per year.

CO2 REDUCTIONS –12.040 CO2 eq t per year.

PROSPER

The synergies with the European Regional Development Funds (ERDF)

The ELENA investment programme includes interventions (**PART B** of the programme), with a longer payback time, **which will be implemented by municipalities themselves, through Structural Funds of Liguria Region.**

The PDU will therefore support municipalities in finding the right calls for funding for the intervention and in delivering the proposals to be submitted according to regional calls' deadlines. Subsequently the interventions will be tendered directly from the municipalities.

The Structural Funds and the Operative Programme of Liguria 2014-2020

- Approved by the European Commission on 12th February 2015 and officially launched on 23rd March 2015
- POR represents the main tool for the regional economical development
- POR respects the rules established by the European Commission with reference to the allocation of resources, at least 20% on ENERGY (Thematic Objective 4)
- POR includes 6 priority axes of intervention that deal with the following TO:

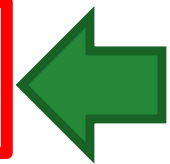
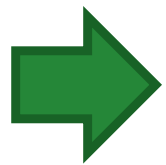
TO1 Research, technological development and innovation	80.000.000 Eur	20,38%
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TO2 Digital Agenda	41.000.000 Eur	10,44%
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TO3 Competitiveness of small and medium-sized enterprises	135.000.000 Eur	34,39%
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TO4 Sustainable energy and life quality	79.000.000 Eur	20,13%
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TO5 Adaptation to climate change and prevention and risk management	42.000.000 Eur	10,70%
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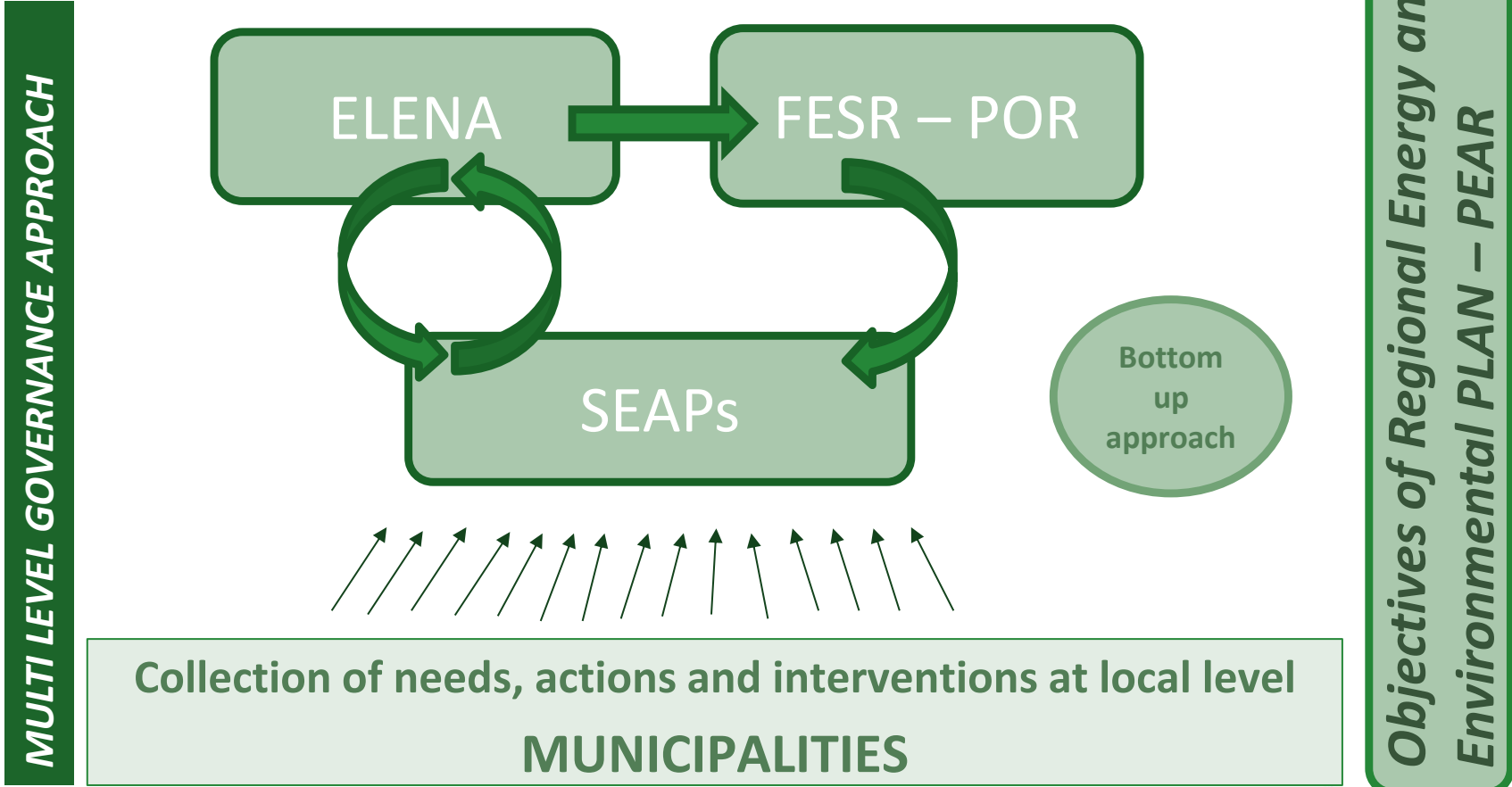
TO4 Sustainable energy and life quality - The AXIS 4 - ENERGY

In synergy with the Regional Energy and Environmental Plan 2014-2020 (PEARL), the AXIS 4 aims to reach an energy production system using **innovative technologies** at low environmental impact, **increasing energy efficiency and reducing the polluting emissions**. Also **sustainable urban transport** represents a key point.

In particular the main interventions involved are:

1. Reduction of energy consumptions and GHG emissions of the productive areas and companies;
- 2. Reduction of energy consumptions and integration of RES in buildings and in public structures;**
3. Actions to support the sustainable mobility in urban areas.

The Regional multi- Level Governance scheme to support SEAPs



Thanks for your attention!

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