



**Covenant of Mayors**  
for Climate & Energy



# Update on the Covenant of Mayors initiative



Bucharest, 7 November 2017



# The Covenant of Mayors for Climate & Energy



...brings together **local and regional authorities** voluntarily committed to implementing **EU climate and energy objectives** on their territory.

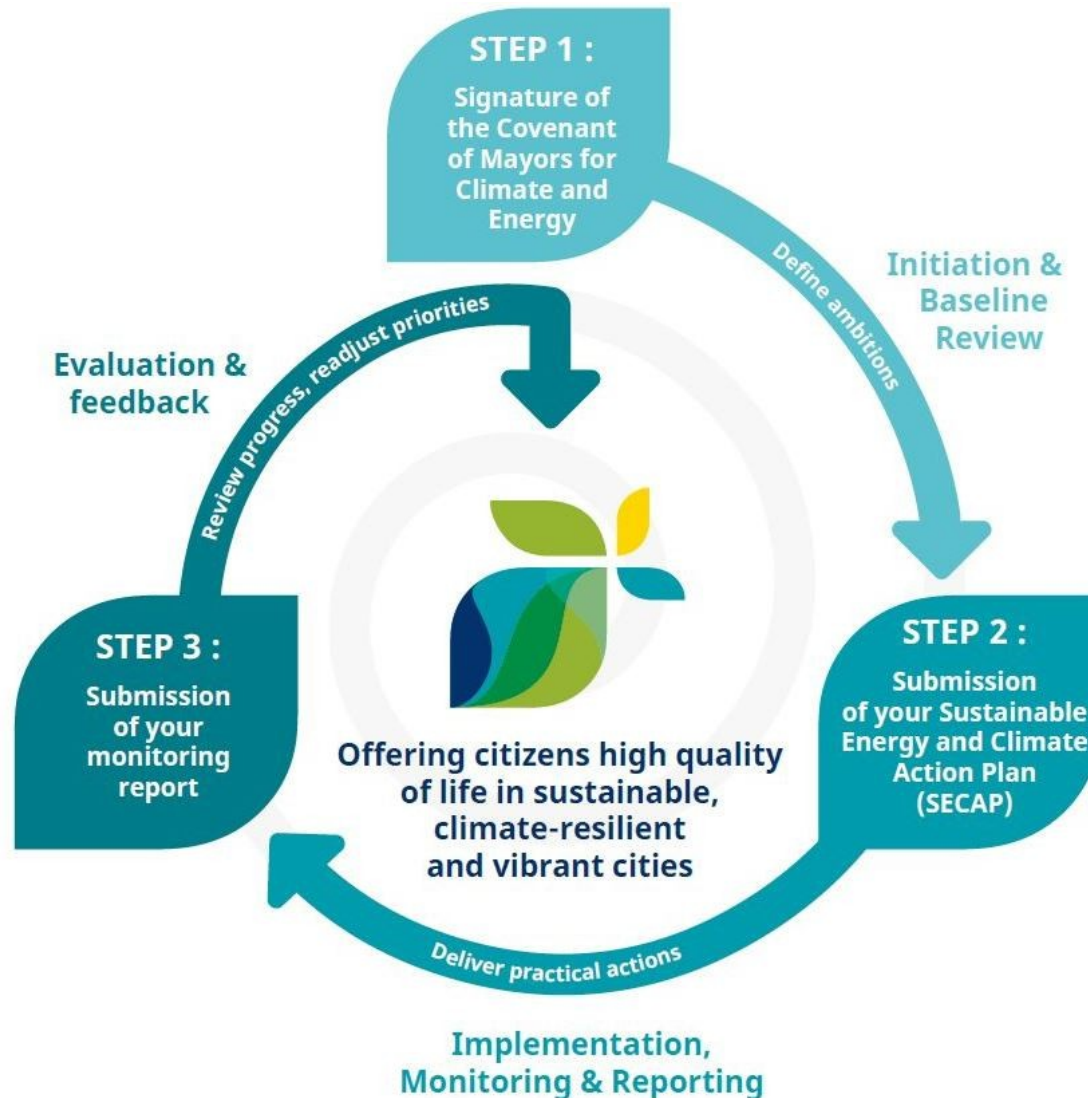
# New commitments



Signatories now pledge to:

- Reduce CO<sub>2</sub> (and possibly other GHG) emissions by at least **40% by 2030**
- **Increase their resilience** by adapting to the impacts of climate change
- Translate their political commitment into local results by developing local **action plans** and **reporting** on their implementation

# The Covenant step by step





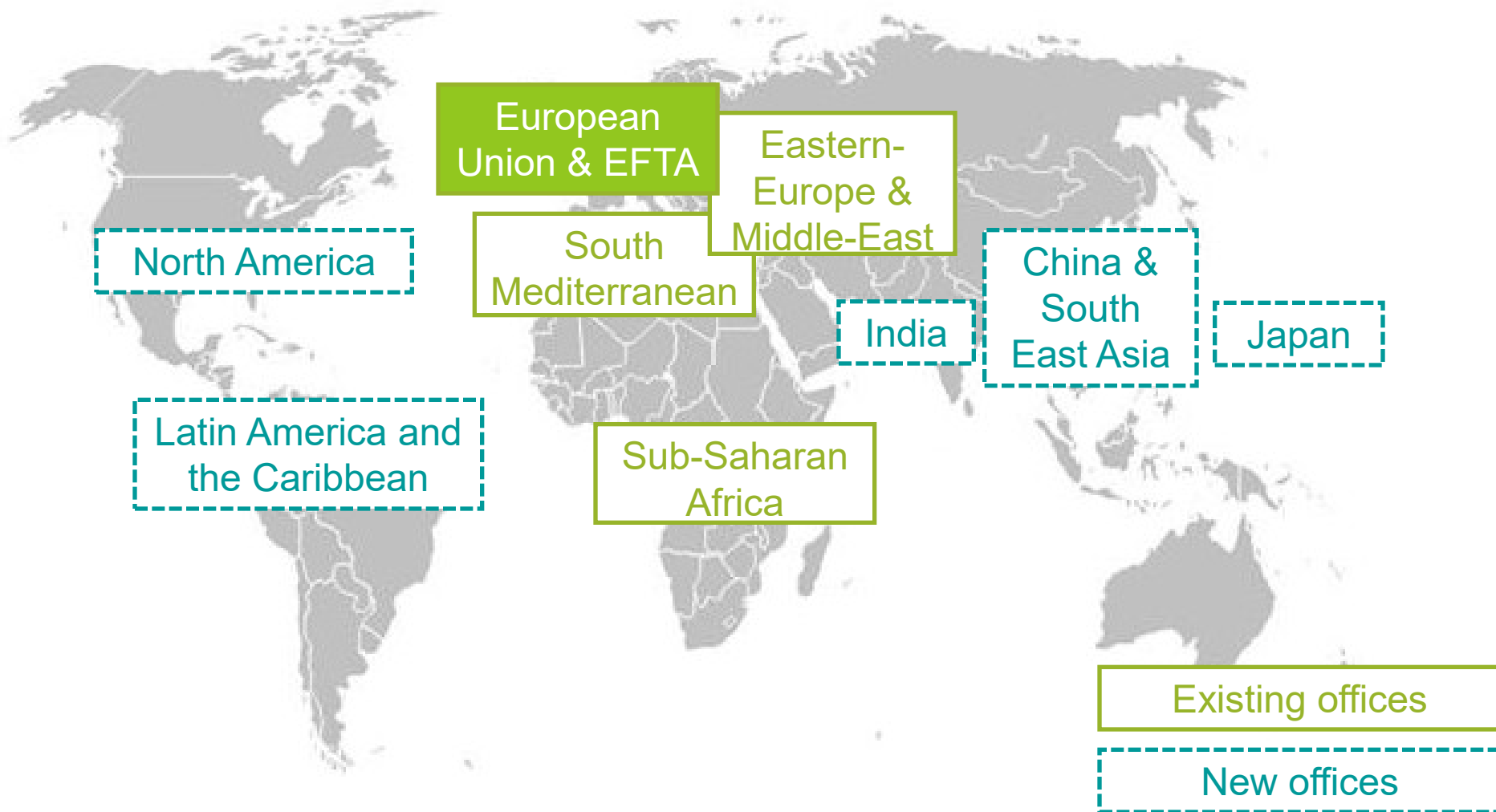
# Understanding the context

## New challenges & new opportunities

- Preserving the **bottom-up** nature of the Covenant movement
- Further **embedding** the Covenant in national, European - and now international- frameworks
- **Consolidating** the Covenant framework for cities' action
- Maximising **synergies** with parallel initiatives (e.g. Urban Agenda, Smart Cities, SEI Forums)
- Initiating, fostering and supporting (region-to-region & city-to-city) **cooperation** around a greater scope of action

# Understanding the context

## New geographic reach



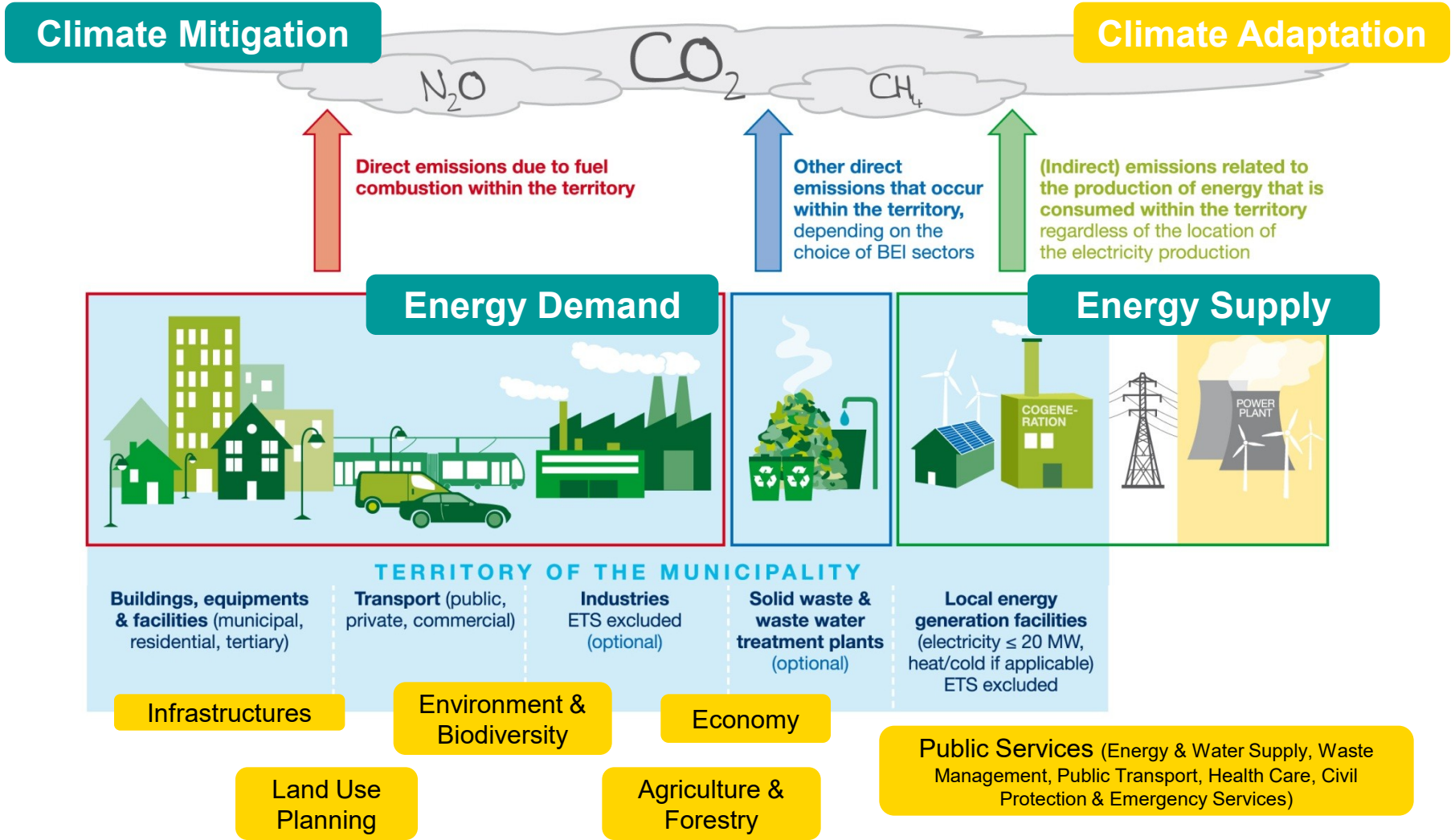


# A reference framework for action



- **Consistency and transparency** thanks to a common reporting framework for all, **flexible and adjustable** to local realities
- **High visibility** *via* personalised signatory profiles on the Covenant website
- **Evaluation** of the data reported by the Commission's independent scientific centre  
(signatories are suspended in case of non-compliance)

# An integrated approach





# Supporting signatories



## Specific methodological materials:



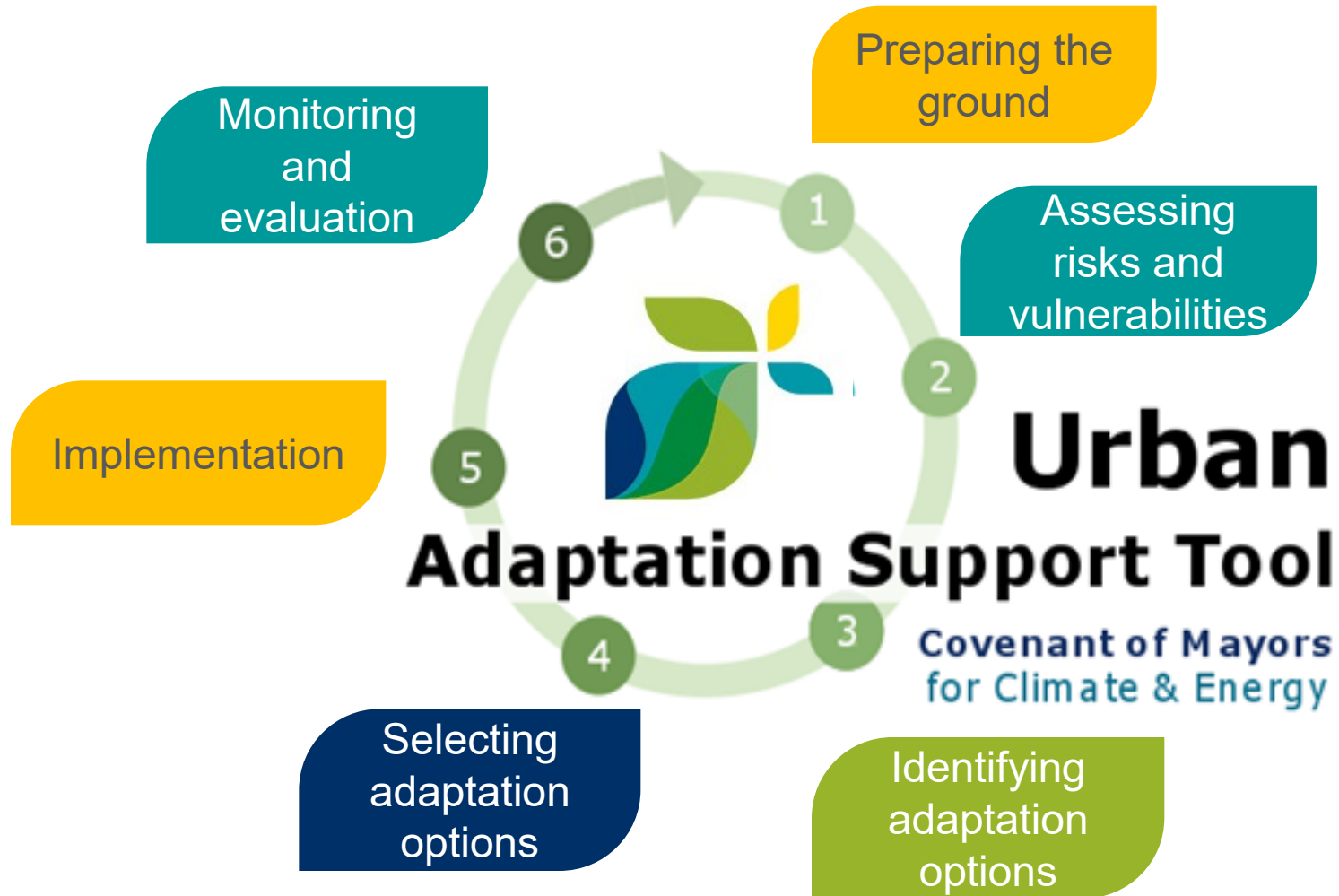
Guidance materials

## Action Plan template & instructions



Thematic leaflets

# Supporting signatories



# Supporting signatories



## Funding instruments

**Quick Reference Guide**  
**Financing Opportunities for Local Climate & Energy Actions (2014-2020)**

European Structural and Investment Funds	European Funding Programmes	Project Development Assistance	Financial Institutions Instruments	Alternative Financing Schemes
ERDF	LIFE	ELENA EIB	EFSI	EPC
Cohesion Fund	Urban Innovation Actions	ELENA KfW	Municipal Loans	Crowd-funding
ESF	CIVITAS Activity Fund	Horizon 2020 Call EE22	Deep Green (PF4EE)	Soft Loans, guarantees
EAFRD	URBACT III	JASPERS	NCCF	Revolving loan funds
EMFF	Territorial Cooperation		EEEEF	On Bill Financing
	Horizon 2020			Green Municipal Bonds

**Applying for ESIF:**

- CLLD

# New publication & interactive funding platform



# Supporting signatories



## Covenant Capacity-Sharing Corner:

 **Discussion Forums** – Exchange With Your Peers

 **Resource Library** – Search, Add and Rate Resources

[www.eumayors.eu](http://www.eumayors.eu)  
> 'My Covenant'



# Supporting signatories



## Helpdesk & Capacity-building events:

- Webinars
- Finance working groups
- Workshops
- City-twinning programme





# Synergies with other initiatives & projects



- PROSPECT
  - Peer-to-peer exchanges for local and regional authorities on financing
- ManagEnergy
  - Masterclasses and peer-to-peer exchanges for energy agencies on financing

# Thank you!



**Elodie Bossio,**

**[elodie.bossio@eumayors.eu](mailto:elodie.bossio@eumayors.eu)**

Helpdesk for coordinators: **[coordinators@eumayors.eu](mailto:coordinators@eumayors.eu)**

Helpdesk for Supporters: **[supporters@eumayors.eu](mailto:supporters@eumayors.eu)**





# Examples



# The Covenant of Mayors on the ground: Examples of local actions

## *Stakeholder engagement for energy efficient schools in Osona, Spain*



### ■ Key figures:

Project duration: **2 years** (2012-2014)

**27** schools involved

**26%** savings in electricity consumption

**19%** savings in heating

**€280 000** savings in energy costs



# The Covenant of Mayors on the ground: Examples of local actions

## *Stakeholder engagement for energy efficient schools in Osona, Spain*



# The Covenant of Mayors on the ground: Examples of local actions



## *Managing heavy rains and stormwater in Copenhagen, Denmark*



- Cloudburst Management Plan aims to reduce the impacts of pluvial flooding due to heavy rains
- Expanding the sewer network and around 300 surface projects focussing on water retention and drainage
- **+13,000 full-time equivalents** with ca. €214 mio in tax revenues expected



# The Covenant of Mayors on the ground: Examples of local actions



## *Managing heavy rains and stormwater in Copenhagen, Denmark*

Adaptation



© 2015 Orbicon

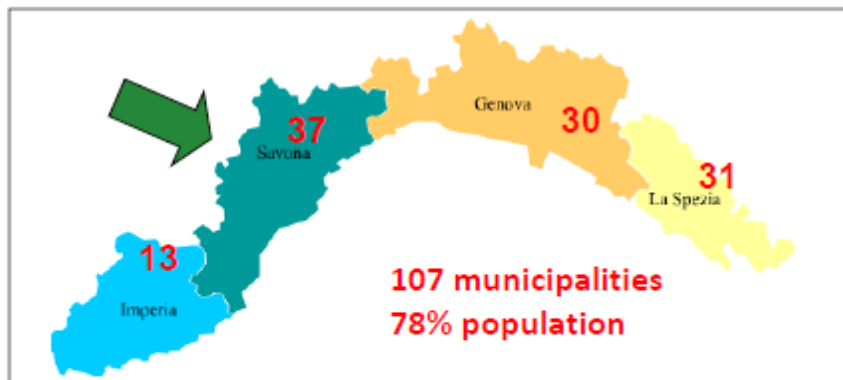


# Integrated Regional Plan Emilia Romagna

- Cooperation with ANCI ER , ARPA ER & ERVET.
- Asked municipalities to choose the most suitable institutional levels to launch and support the integrated actions on the territory  
Joint SEAPs → 294 / 340 municipalities - 94% citizens.
- **Capacity-building & exchange of experience** : info sessions – energy managers training
- **Technical support to SEAP development, implementation & monitoring** → Excel files + free web-based software (methodologies and tools for the quantification of results of the actions)
- **Financial support through ERDF**
  - €1 million for SEAP development
  - Energy revolving Fund for SMEs, €1 million through low interest loans
  - 2014-2020 > €104 million to the IV priority axis: Promote a low carbon economy within the territory and the productive system.



# Liguria Region



IRE Regional Energy agency  
40 SEAPs in 3 provinces  
1 SECAP in progress

4 Structures to Support and coordinate the Covenant of Mayors

IRE SpA



1 ELENA  
Province of Savona

1 PDA  
Region of Liguria

# ELENA “Prosper” – The Project



## Province of Savona Pact for Energy Efficiency and Renewables

Carries out actions of energy requalification for Municipalities in the Province of Savona by involving ESCOs, that will see a pay back of the interventions in the savings that are generated over time.

**European Programme:** EIB - ELENA

**Duration:** January 2015-December 2017

**Total investment:** € 42 million

**Cost of Project Development Services (PDS):** € 1.46 million

**Contribution from ELENA:** € 1.34 million

**Leverage Factor:** 1:32

### Partnership:

Province of  
Savona + 33  
Municipalities



### Use of Funds:

For technical assistance and all the procedures that are required so that the Province of Savona can prepare projects and issue tenders for sustainable energy

IRE assisted the Province of Savona in drawing up the investment project and signing the contract with the EIB







## ELENA “Prosper” - a focus on investments

PART A – € 31.4 million

- Energy efficiency on **PUBLIC LIGHTING**: 20,918 lamps in 19 municipalities + street lighting in the Province (total 21,886);
- **ENERGY EFFICIENCY** in **151 buildings** (municipal offices, old peoples’ homes, sport facilities and 73 schools): insulation for the facades and retrofiting building envelopes, heating...
- **14 BIOMASS BOILERS** to serve **24 public buildings** in 9 different municipalities;
- **SOLAR THERMAL PLANTS** in **18 buildings** (sports facilities or homes for the aged) for a total of 250 m<sup>2</sup> panels;
- **14 biomass boilers** are also foreseen in **GREENHOUSES**, to replace the current diesel heaters.
- **3 MINI-HYDRO PLANTS** to be installed on the aqueduct pipelines for a total of 690 kW.

PART B – € 10.6 million

Part B of the investment programme includes interventions with a longer payback time, that will be implemented by the municipalities with the aid of European Structural Funds:

- **ENERGY EFFICIENCY** (window substitution, insulation, housing envelopes) in 44 buildings;
- **PHOTOVOLTAIC** and **SOLAR THERMAL** plants.

# enerSHIFT – the Project



## enerSHIFT - Social Housing Innovative Financing Tender for Energy

Promotes retrofitting of public social housing buildings in Liguria using a self-financing mechanism that involves **ESCOs** and where pay back of the interventions will be generated in savings over time.

**European Project:** Horizon 2020 PDA - Project Development Assistance

**Duration:** February 2016 – January 2019

**Budget:** € 967,687.50

**Partnership** 7 stakeholders in Liguria



1. Regione Liguria (lead partner)
2. **IRE SpA – Energy Department**
3. ARTE Genova
4. ARTE La Spezia
5. ARTE Savona
6. ARTE Imperia
7. Tenants' associations (Sunia, Sictet, Uniat) – have a key role acting as a go between in every step of the project

### The role of IRE:

IRE drew up the project proposal and is the technical partner in charge of preparing the baseline, evaluating energy consumption as well as elaborating and planning sustainable energy investment schemes



## enerSHIFT - Activities



- **diagnosis** of current energy consumption in 43 public social housing buildings that are owned by ARTE in Liguria,
- highlighting **interventions** that will **improve** technology and buildings,
- **financial engineering** to cover the investments required,
- issuing a **tender** intended solely for ESCOs for the energy performance of buildings.

The project will generate investments of €15 million, thanks to which interventions on 44 buildings can be carried out (235,000 m<sup>2</sup>) that house 3,300 families



**EXPECTED RESULTS:** annual savings of 14.5 GWh of primary energy (-55%) which amounts to €1.4 million yearly and a reduction of 3,492 tCO<sub>2</sub> emissions, not to mention an increase in the use of renewable energy sources (biomass and solar energy)



# Province of Limburg BE

- 44 signatories:
  - 11 signatories <10 000 inhabitants
  - **31 signatories from 10 000 to 50 000 inhabitants**
- Scientific study to define the concept of climate neutrality
- Technical support in data collection for inventories and for actions' impact estimations
- "ESCOLIMBURG2020" project (MLEI PDA): partnership between the Province, an energy grid operator and a consultant. Aim: making the municipal and provincial buildings more energy-efficient and integrating renewable energy sources

# Limburg Climate Fund, BE



**Limburg Climate Fund** : cooperative fund which invests its resources in climate-friendly projects by the means of loans.

- ✓ €100 shares for citizens - a max of 30 shares per person.
- ✓ Investments in solar power plants or wind turbines.
- ✓ Limited profits but unique opportunity to directly **involve households and to help project developers finance small to medium-sized projects** at relatively low interest rates (and guarantees apply).

In the renewable energy sector alone 70,000 cooperative members raised €100 million in recent years in Belgium.



## Marche Region, Italy

*Using European Regional Development Funds (ERDF) to support sustainable urban mobility actions*



1.54 million inhabitants



Territorial Coordinator since 2012

Provides support to 32 Covenant signatory cities

As many other Italian regions, Marche has fully integrated the Covenant of Mayors into its funding programmes, and thereby supports municipalities in fulfilling their Covenant commitments. The Marche Region is laying the foundation to decarbonise urban transport by providing grants to its local authorities for establishing smart transport systems, setting up charging infrastructure for electric cars and building new multimodal transport hubs to enable citizens to commute more efficiently by train, bus and bicycle.

### FACTS & FIGURES

- Funding available: EUR 7.35 million (ERDF)
- Beneficiaries: Individual and/or clustered local authorities, local public transportation companies
- Implementation period: 2014-2020





## SETTING UP INNOVATIVE FINANCING SCHEMES

### Almada, Portugal

*A revolving fund to jointly finance local climate mitigation and adaptation actions*



Almada is one of the 18 municipalities located within the Lisbon Metropolitan Region. In 2009, the city established the “Almada Less Carbon Climate Fund”. The fund aims at reducing Almada’s carbon footprint by financing both climate mitigation (energy efficiency, renewable energy) and adaptation investments in key areas such as energy efficiency in buildings, small-scale renewable energy production, use of native species to promote ecosystem functions and resilience within the local urban ecological structure and enhance adaptation to climate change and mitigation by capturing CO<sub>2</sub>. Thanks to the city’s participation in the EU-funded

INFINITE Solutions project, the fund could be upgraded in 2016 to a revolving fund. This means that the cost savings resulting from the implemented climate mitigation and adaptation measures are now directly returning to the fund, ensuring sustainable leverage of the fund and boosting further investments in tackling climate change and accelerating the clean energy transition in Almada.

#### FACTS & FIGURES

- Size of revolving fund as from 2016: EUR 500,000
- Achievements 2009-2016:
  - Total investment: EUR 1.6 million
  - CO<sub>2</sub> emissions avoided per year: 953 tons
  - Energy consumption reduced per year: 3,000 MWh
  - Financial savings for the city: EUR 375,000
- Implementation period: the fund has been operational since 2009



► **More info:**  
[www.energy-cities.eu/infinitesolutions](http://www.energy-cities.eu/infinitesolutions)





## Rhodope Region, Bulgaria

*The first one-stop shop for energy efficiency renovations in buildings in South-East Europe*



**400,000 inhabitants**

Consists mainly of small-sized municipalities with less than 20,000 inhabitants



**7 municipalities in the region are signatories:**

Banite, Chepelare, Smolyan, Nedelino, Bratsigovo, Rudozem & Zlatograd

The Rhodope Region in southern Bulgaria has a significant local potential for building retrofitting projects and the integration of renewable energy within its energy mix. However, there is a lack of administrative capacity, collaboration and bundling efforts among the region's municipalities to benefit from favourable financing conditions for energy efficiency renovation projects. This is where the Horizon 2020-funded CITYinvest project came in. Supported by GRE Liège (the development agency for the Liège Province in Belgium),

Sofia Energy Centre and the Association of Rhodope Municipalities, the CITYinvest team has successfully worked with the municipalities in the Rhodope area in order to establish the first one-stop shop for energy retrofitting in South-East Europe. The one-stop shop supports Rhodope municipalities in bundling projects, identifies tailored financing solutions and acts as a knowledge centre. The centre also promotes the use of Energy Performance Contracting in the region, thereby providing the energy efficiency market with a solid and sustainable basis for the future.

### FACTS & FIGURES

- 42 municipal buildings identified for refurbishment in the region
  - Investment needs: EUR 11.5 million
- Street lighting improvements identified in 46 settlements in the region
  - Investment needs: EUR 1.7 million
- Expected energy savings: 8.8 GWh/year
- Implementation period: due to start in autumn 2017

► **More info:** [cityinvest.eu](http://cityinvest.eu)