

# Smart to Future Cities 2015

**Urban IoT** enabling Smart Citizens  
in the resilient, Smart City

**28-29 April 2015**, Waldorf Hilton, London

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**Metropolitan City of Torino**

**2020** **TOGETHER**  
torino is getting there

# The context

Location: north-west part of Italy

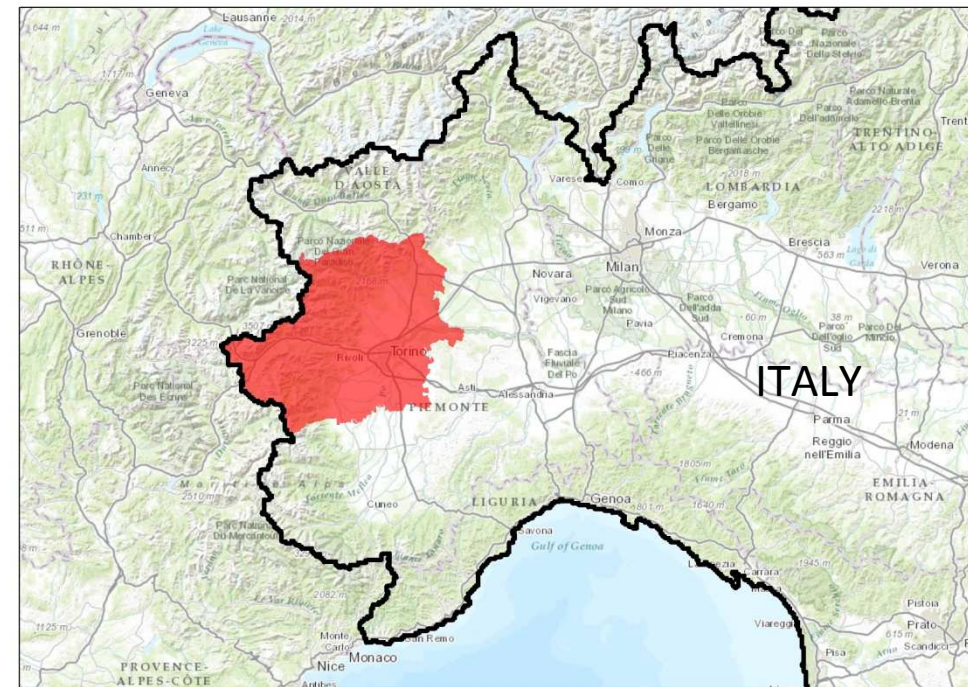
Population: about 2,300,000 inh.

Number of Municipalities: 315

Chief town: Torino

GDP 2013 (mln €): 55,000

Energy demand 2013: 46,500 GWh



# The context - COM

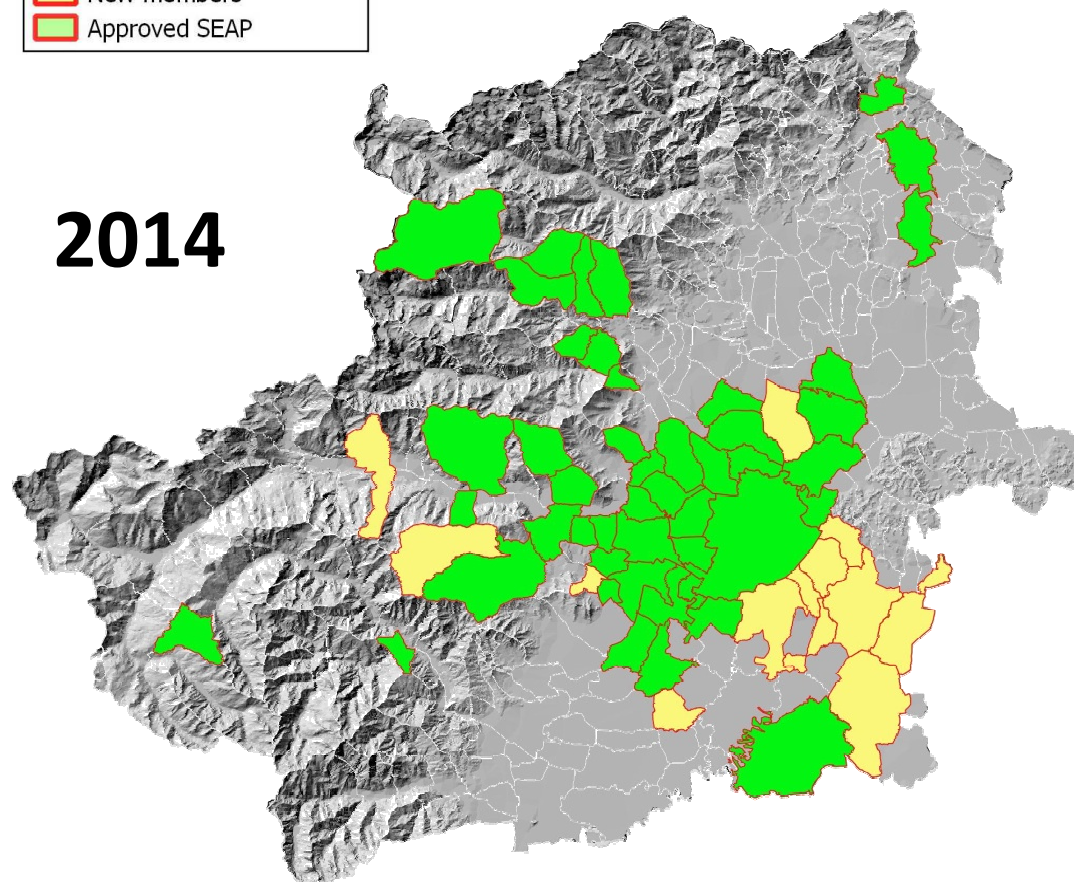
**The energy planning process**  
*February 2010.* The Metropolitan City of Torino become Covenant Coordinator. Firsts Municipalities join the project.  
*2011-2012.* Firsts SEAPs. A network of Municipalities is established.  
*2013-2014.* Interaction with other projects

Legend

CoM network of Municipalities

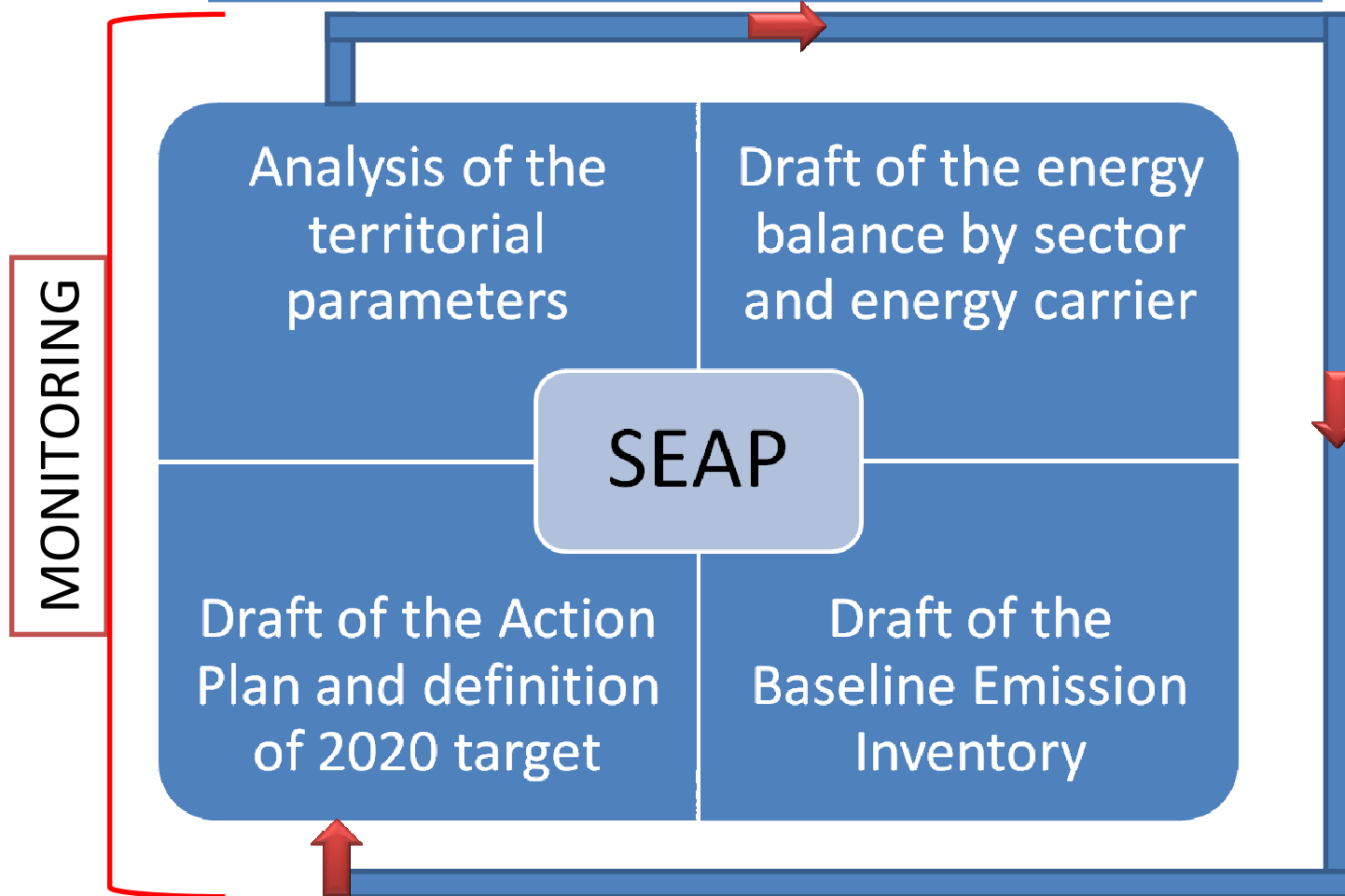
- New members
- Approved SEAP

2014



# The context - COM

The technical assistance of the CityMetroTO



# 2020Together: SWOT Analysis

- A large number of Municipalities belonging to the COM network
- Energy database already set up in most of the cases
- Multilevel governance system effectively working

- Lack of skills of Public Authorities
- Financial crunch limiting the access to credit for investments and lack of financial capacities of local ESCOs
- Architectural constrains in historical buildings
- Long lasting tender procedure

- The growing interest of EPC at National level
- A large public building stock with low energy performance
- Acting as pilot project for the spread out of similar initiatives in the future

- The institutional reform of Public sector in Italy
- Elections of Cities
- Unclear regulative framework for EPC contracts
- Economic impact outside the local territory



# Main information



**Programma di finanziamento:** Mobilizing Local Energy Investments (IEE-13 call)

**Partner:** Metropolitan City of Torino – Coordinator, Piedmont Region, City of Torino, Environment Park.



CITTA' DI TORINO

**Scheduled Investments:** about 10 M€

**Buildings to be renovated:** 59

**Public lightning points to be renovated:** 1272



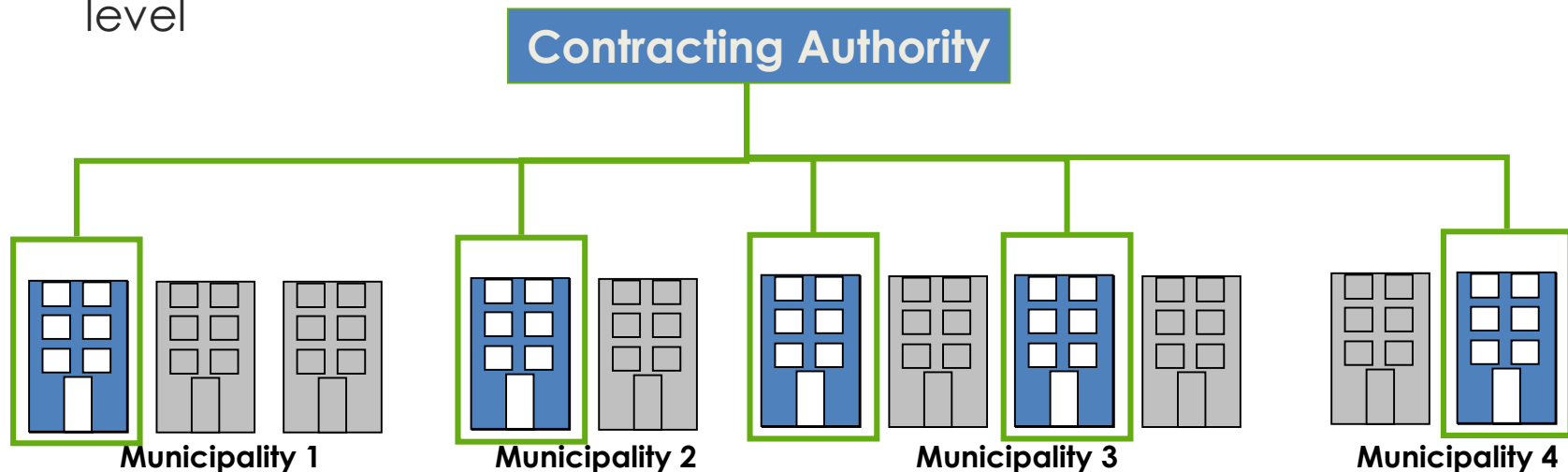
# Objectives

- **To bundle** in few calls several investment projects belonging to several Local Authorities, using Energy Performance Contracting schemes and Third Party Financing;
- **To support Municipalities** in the implementation of actions fixed in their **SEAPs**;
- To combine different available financing schemes, in particular those related to the Regional Operative Program of the **ERDF**;
- To **inform** and **train** the “market” at local level about opportunities of EPC



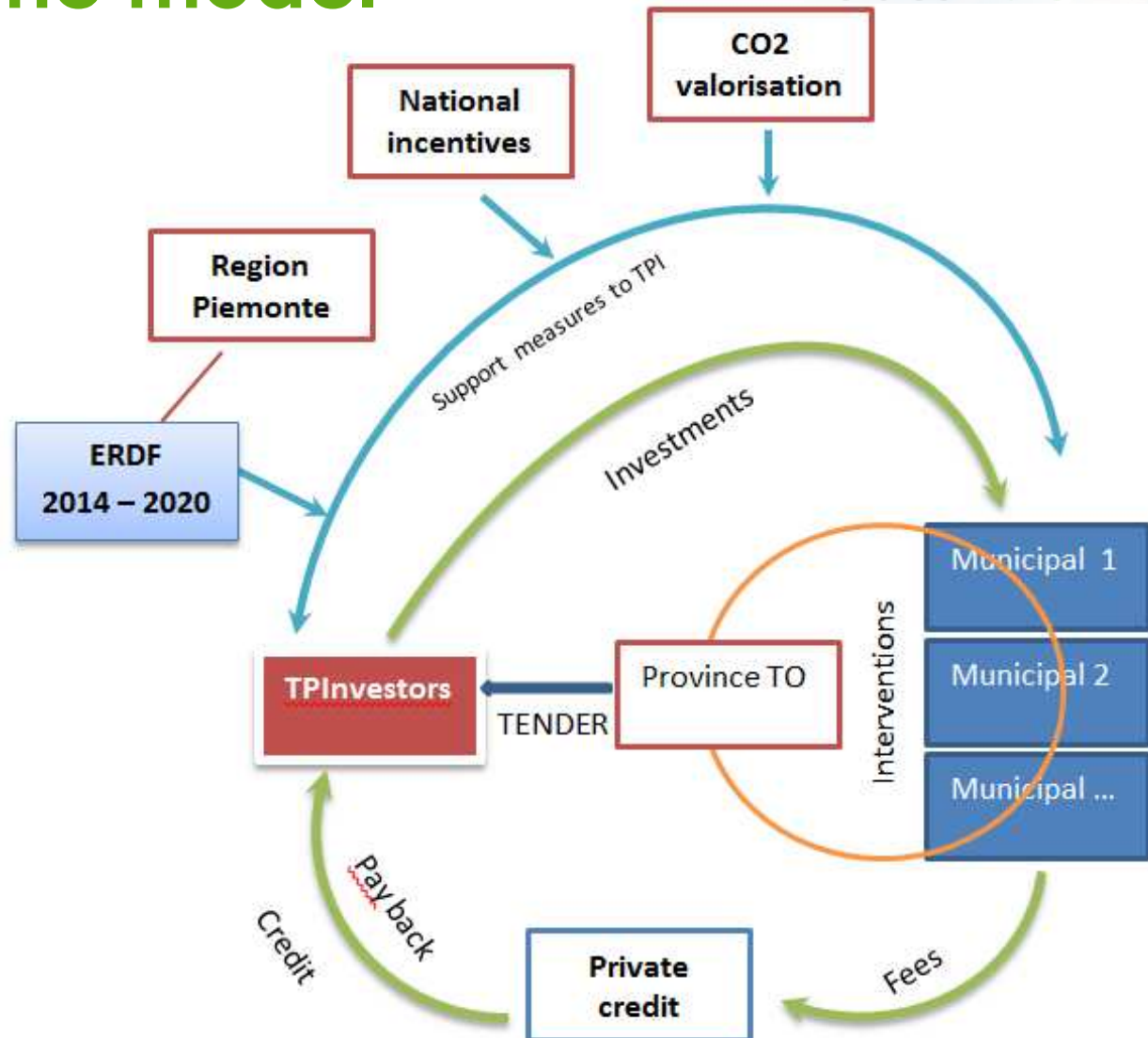
# Innovative organisational aspects

- **Few** investments belonging to several Municipalities
- **Preliminary selection** of the buildings on the basis of their profitability for an EPC contract
- **Integration** of different available supporting schemes and ensure replicability to the project influencing the use of ERDF at regional level





# The model



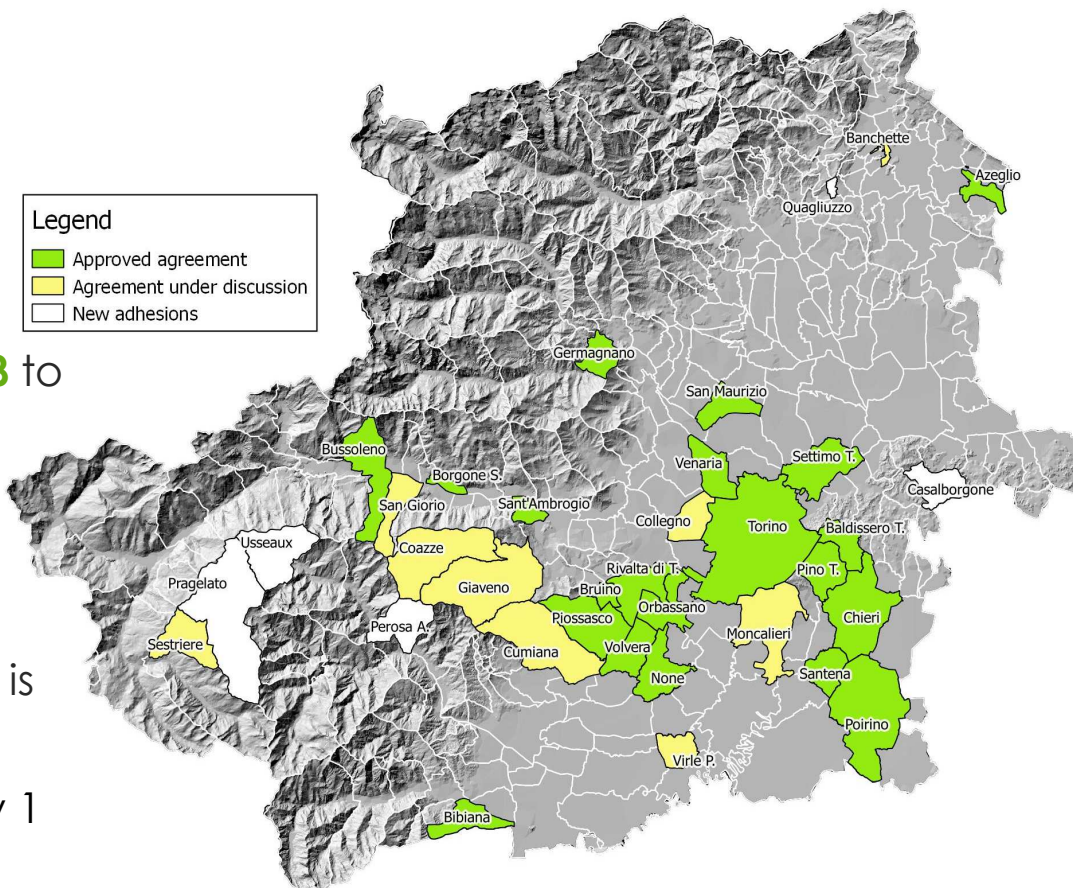
# Project Activities

- **Engagement campaign** of Municipalities
- **Energy Audit cases and business model simulation** for each intervention
- **Roundtables** with stakeholders and potential investors
- Definition of **regional guidelines for EPC** and definition of ways to combine EPC with **ERDF Regional Operative Program**
- Organization of **training sessions** for LA and ESCOs

- A **formal agreement** between the Contracting Authority and the Municipalities has been prepared and signed bilaterally
- The Agreement is **endorsed by the City Council** and formally provide a proxy to the Metropolitan City of Torino in acting as Contracting Authority
- The Agreement is **binding** and share the responsibility of the success of the project with a formal commitment
- The agreement doesn't remove the risk of an unsuccessful implementation of the project but, at least, reduce it, by **sharing the responsibilities** with beneficiary municipalities.

# The actual state of the art

- **32** Municipalities involved
- **90** buildings
- **3.000** Lightning spots
- **20** Agreements signed + **8** to be soon finalized
- **23 Audit** finalized on **7** Municipalities
- The launch of the first call is scheduled by the end of **Spring '15**, anticipated by 1 roundtable
- **1 training** organized (Nov '14)



- Such a project comes after a long period of preparation of the ground (a network well established and built up in the framework of the Covenant of Mayor, ongoing energy planning process, synergies with several energy related projects, a huge number of meetings and capacity building/peer learning process among Municipalities)
- It is very important the role of territorial coordinator which can bundle projects and investments, create economy of scales and provide centralized solutions for small and medium Municipalities
- The project is to become a multiplier of similar initiatives and not a stand alone example

[www.cittametropolitana.torino.it/ambiente\\_cm/energia/progetti/2020together/](http://www.cittametropolitana.torino.it/ambiente_cm/energia/progetti/2020together/)



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