



Comune di Parma



Sustainable energy policies at local level

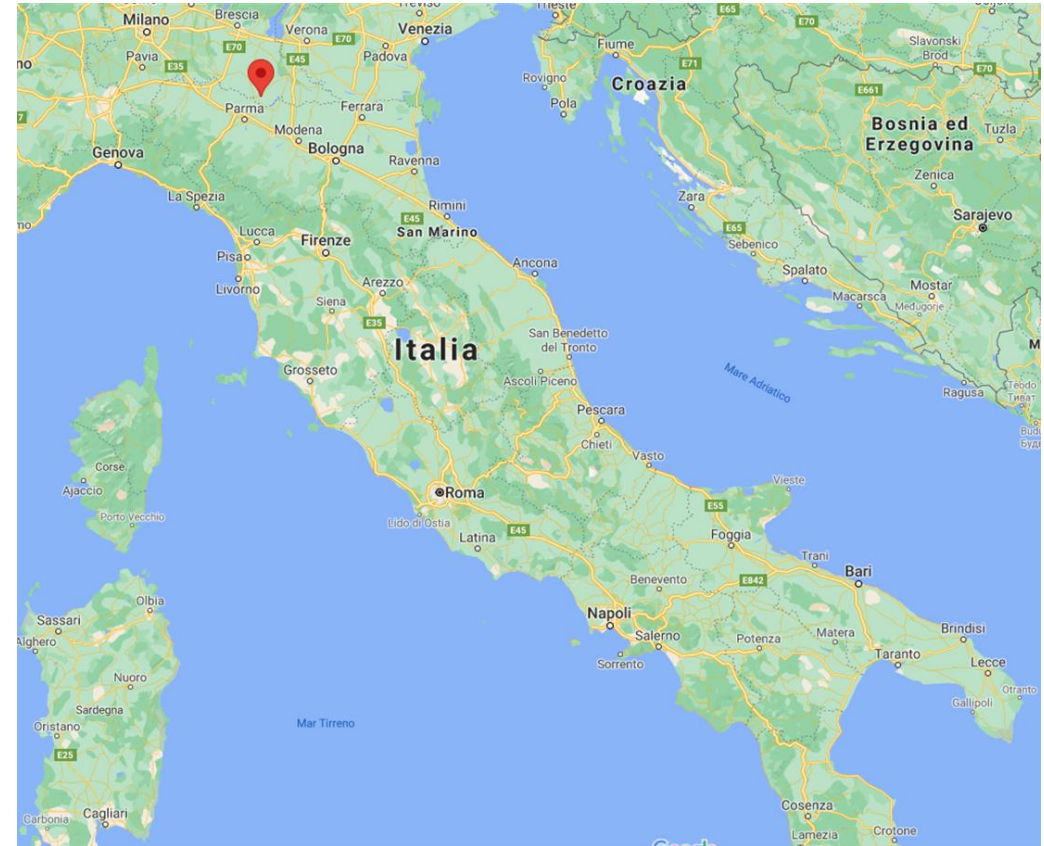
SERN GENERAL ASSEMBLY – GOTEBORG 11TH-12TH MAY 2022

IVANO DINAPOLI – MUNICIPALITY OF PARMA



Parma, some basic information

- The city is located in the Northern part of the Emilia-Romagna region, along the Via Emilia, in the Po Valley.
- One of the most polluted area in Europe
- Approximately 200 000 inhabitants
- In 2015 has been designated a Unesco Creative City of Gastronomy.
- Appointed National Capital City of Culture in 2020-2021



Parma and its mobility system

Area: 256 Km²

University Students : 24.000

Tourists: 700.000/year -- > 1 mil (before Covid)

Registered vehicles: 135.000

Traffic: 380.000 vehicles

Road network: 1.268 km

Cycle network: 132 km

LTZ: 39% of historical center

Low speed zones: 20% of the city

Pedestrian zones: 8% of historical center

237 km urban lines + 1.970 km FUA

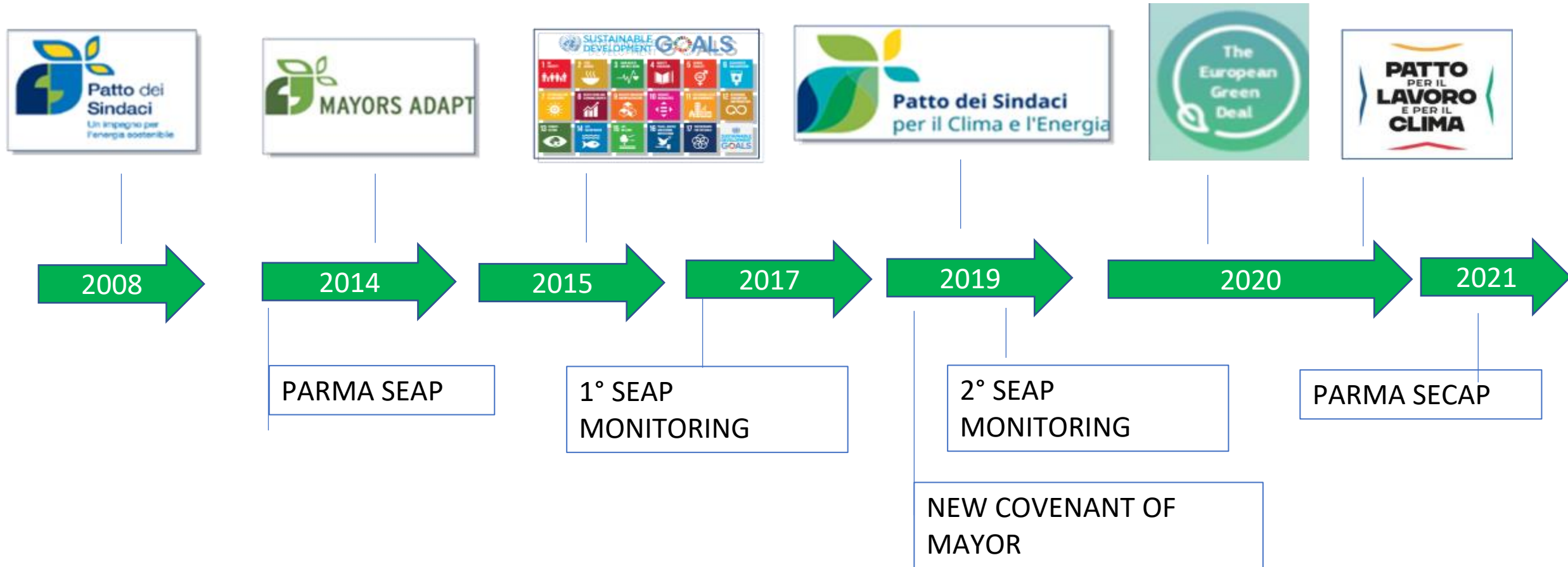
> 60% of the fleet with low emissions buses
(electric, CNG, Euro 6)

34 millions of passengers per year

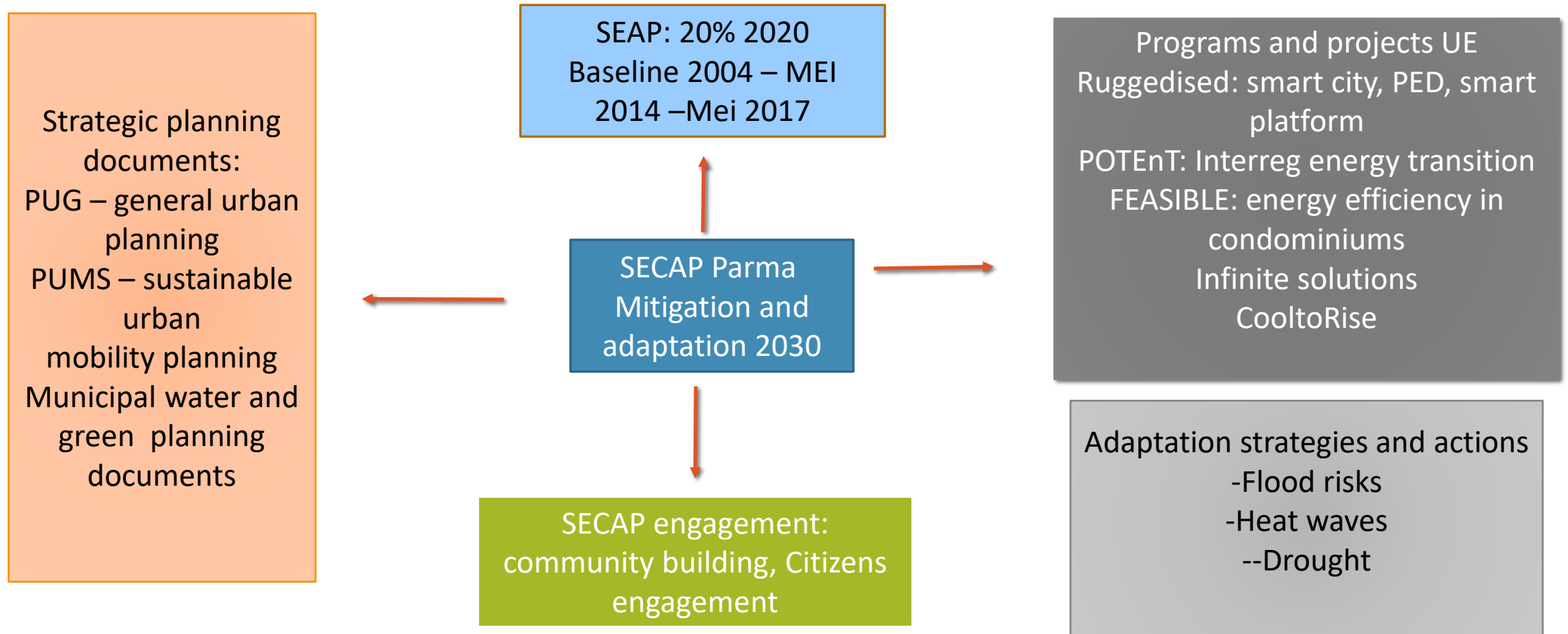
17 urban bus lines (4 electric trolley buses lines)

«Happybus» school service (51 schools, 1346 users,
565.000 km/year) - 8 lines of night buses

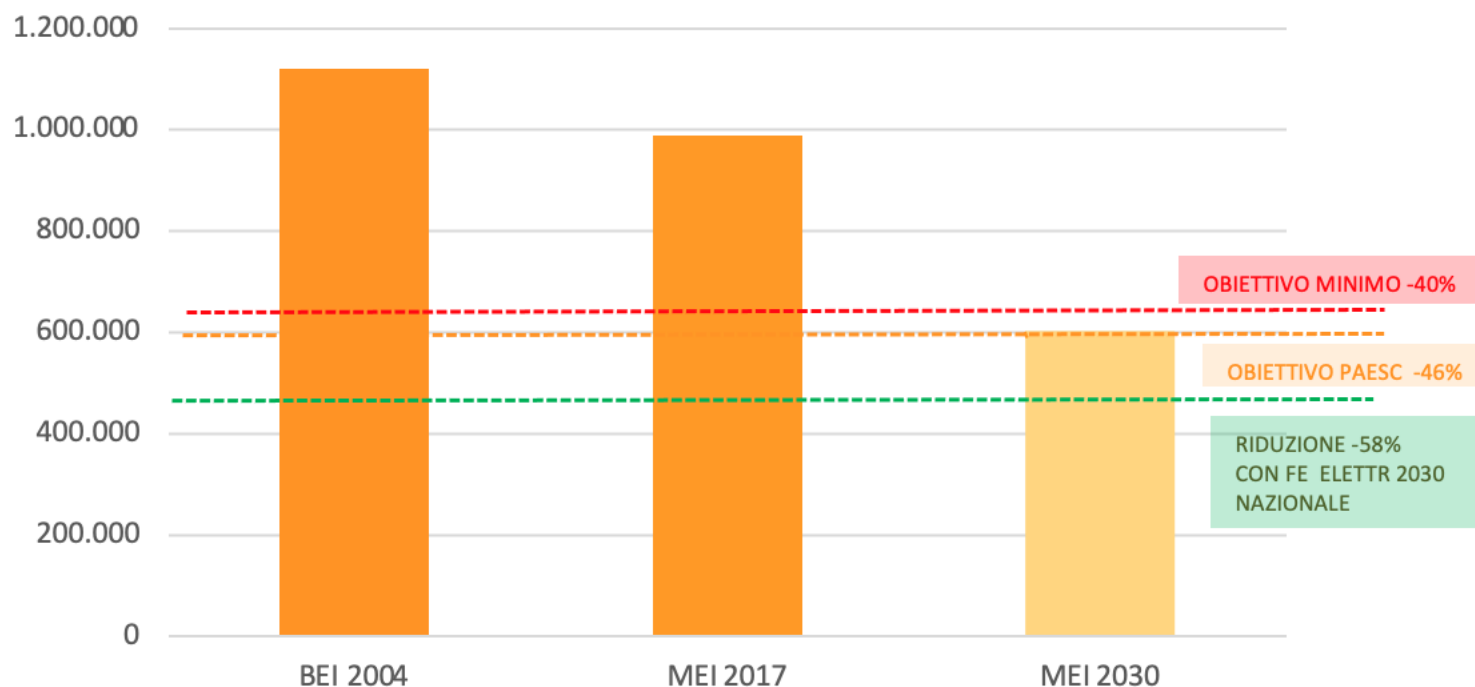
A long path of commitment



Parma Secap: a plan in a wider strategy

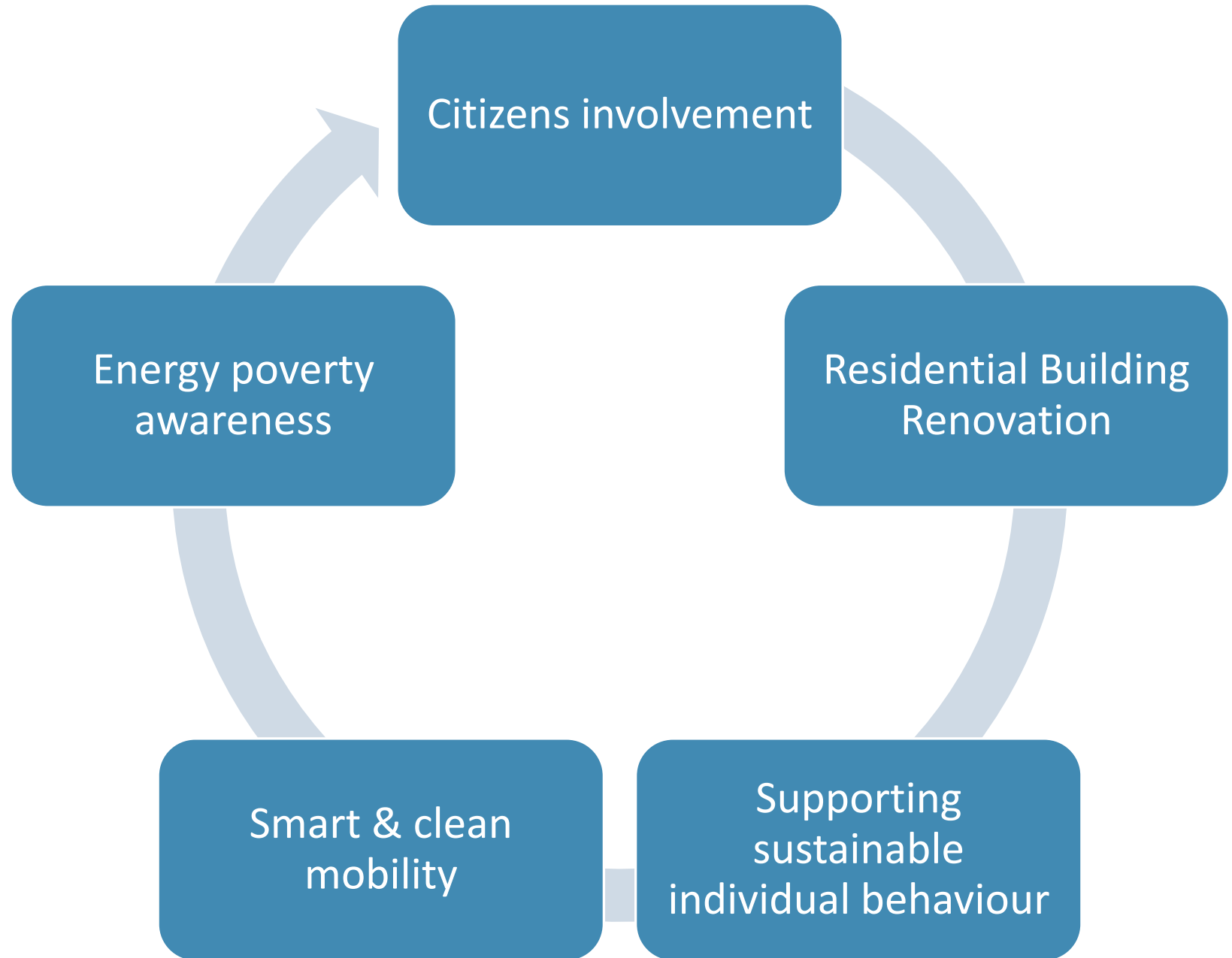


PARMA SECAP – 2030 TARGETS



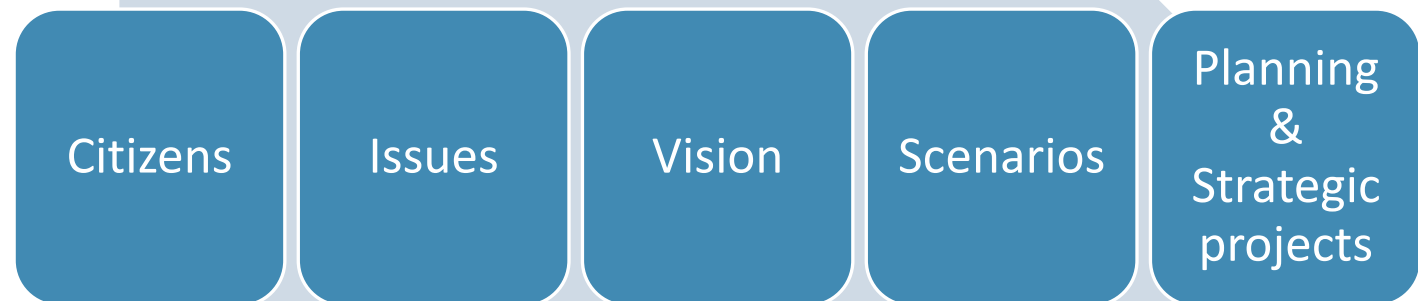
The "minimum" objective, set by the JRC - Covenant of Mayors, at 2030 is a 40% reduction in CO2 emissions (ex 2004). From the Action Sheets of Parma SECAP, a reduction equivalent to 58% is and 678,160 tons/year of CO2 avoided. Considering that the population in 2030 is expected to reach 228,000 inhabitants, the specific emissions would decrease from 6.4 to 2 tons/inhabitant year.

Sustainable energy policies -> citizens



Citizen involvement: the new General Urban Plan

- 11 thematic tables
- Several stakeholders involved
- The new General Urban Plan:
....coming soon



Residential building renovation

One –stop- shop for owners and building managers

- Partnership with the local sustainability agency (ATES Parma)
- Goal: Support and facilitate 100 residential building in their own energy efficiency renovation projects



Supporting sustainable individual behaviour

Green financing for private building renovation

- House built in the '60s and in '70s are responsible for the 43% of household energy consumption
- Soft loans from a revolving fund for energy efficiency private investments
- Initiative sponsored by Parma Municipality in collaboration with Crédit Agricole Italia within the European Commission "Infinite Solutions" framework



Results below the expectations!

Smart & clean mobility

Providing citizens new smart and clean ways to move around the city



Less private cars, less emissions, more public space available



Easy, smart & affordable



A regional multi modal integrated approach

Energy poverty awareness

A Partnership with the
social housing
management company
supported by a
European Project



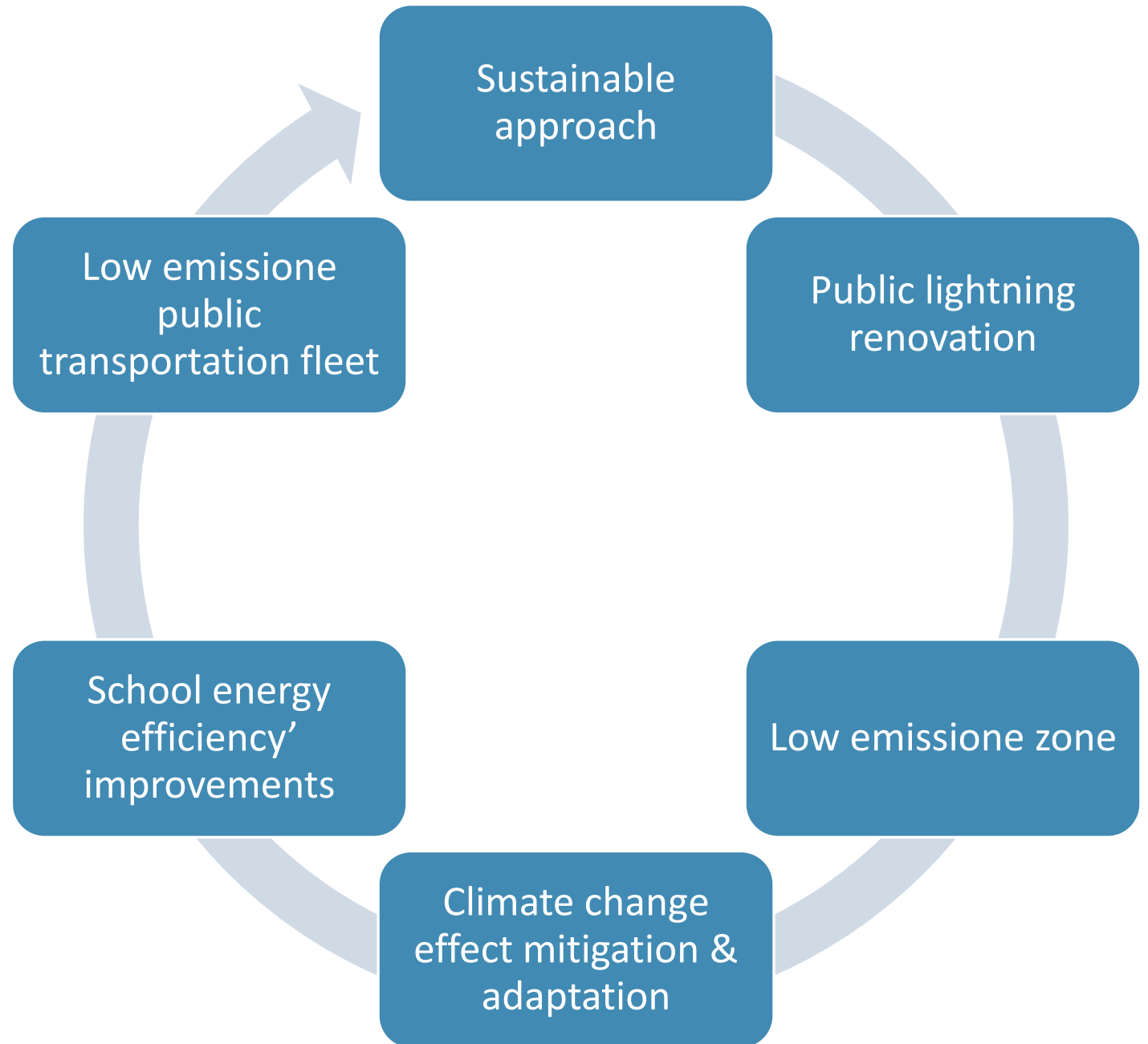
The goal of the project is to tackle summer
energy poverty in social housing building
involving and training inhabitants



Funded by the Horizon 2020
Framework Programme of the
European Union



Sustainable energy policies -> public services



«Parma changes its lights»

Full led public lightning system

- 65% energy consumption

-2,6 Million Euro City bill

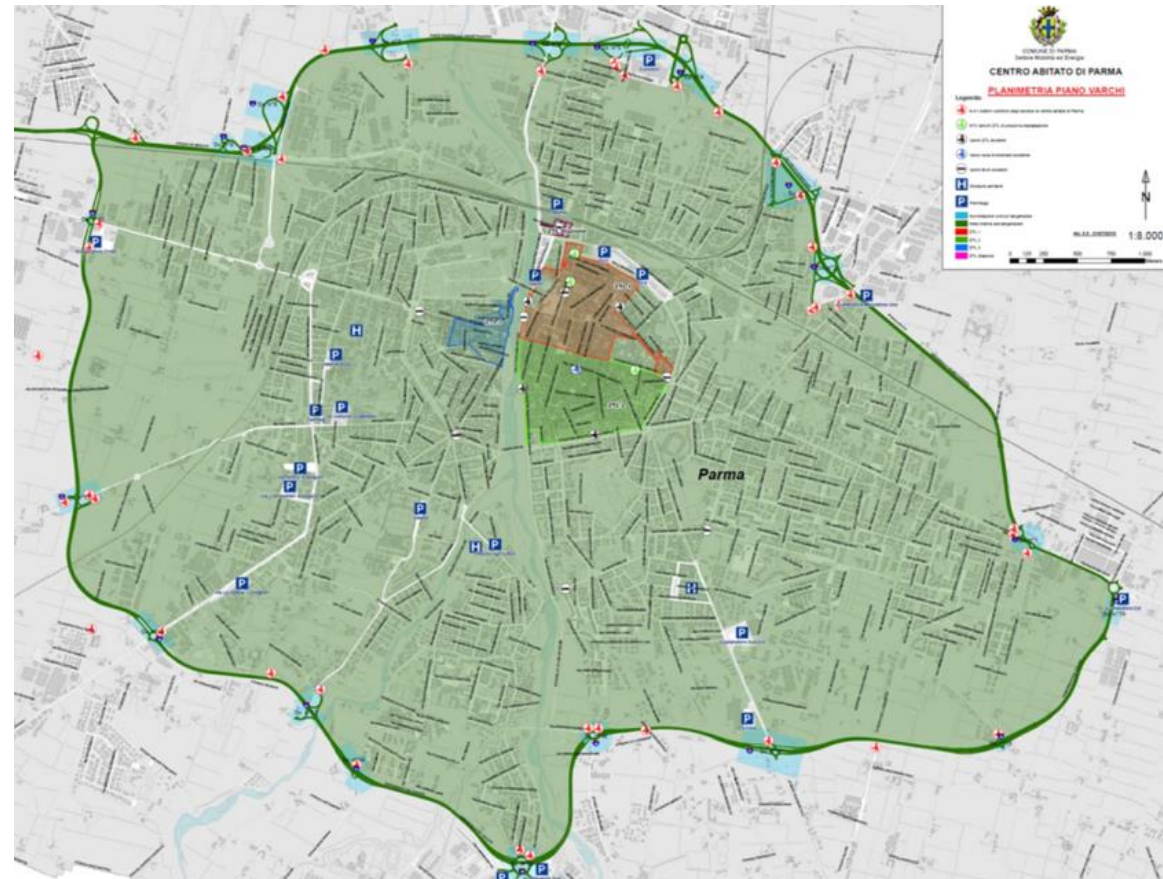
-4670 CO2 Ton/year

Smart Solutions



«Green area» - a new low Emission Zone

- Implemented in the area inside the great Ring Road (the same area of the regional Air Quality Plan restriction)
- Remote access control of all vehicles in the area inside the ring road through the establishment of 41 doorways
- Entrance points equipped with remote control cameras
- Heavy and most pollutant vehicles will gradually banned from the Low Emission Zone



Climate change effect mitigation & adaptation



The new Urban General Plan will provide a new way of planning our public spaces:

- Urban Forestry investments
- New space distribution
- Less space for cars more for citizens
- Tackling urban heat islands
- Managing extreme weather conditions

A plan for energy efficiency improvements in school buildings



Renovating existing schools or building brand new facilities is a milestone of the policy of the Municipality. A massive part of the city investments in the last 10 years have been dedicated to improve the safety and the energy efficiency of the city school building.

Low emission public transport fleet



CNG
buses



Trolley
Buses



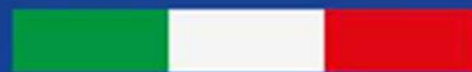
Full
Electric

From Euro 6 buses to CNG buses toward zero emission fleet

An extraordinary opportunity

Piano Nazionale di Ripresa e Resilienza

#NEXTGENERATIONITALIA



Finanziato
dall'Unione europea
NextGenerationEU

A European challenge



Parma has been selected to be part of the EU Mission for 100 Climate Neutral and Smart Cities by 2030

The Cities Mission will work with different stakeholders to ensure that the designated cities reach climate neutrality by 2030 and that they act as hubs for experimentation and innovation and enable all European cities to follow suit by 2050



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