



**RUGGEDISED**

Designing smart,  
resilient cities for all

**RUGGEDISED**  
**Final event**  
**September, 2022**



**Smart change in cities: reflections from the Fellow Cities**



**Comune di Parma**



## Parma: key challenges

- Accelerate the sustainability and the innovation of the city
- SEAP/SECAP CO<sub>2</sub> reduction goal
- Improve energy efficiency/green energies and sustainable mobility
- To bring about a change in the behavior of the citizens of Parma





# Parma Futuro Smart

- *building a vision of a future city*
- *defining a detailed plan with a list of concrete actions that must be undertaken and implemented in Parma by 2030.*

- 4 working tables:



Smart Transport | Mobility



Smart Energy | Environment & Smart Grid | Infrastructure



Smart Society | People



Smart Economy | Innovation

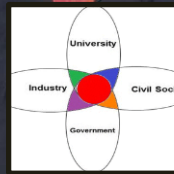


# Parma Futuro Smart



**City management group**

- Core management group
- 3 Deputy Mayors
- 5 other departments involved



**Stakeholders**

- 6 Academia
- 8 Public Authorities
- 28 Industries, SMEs and start up
- 10 NGOs and Associations

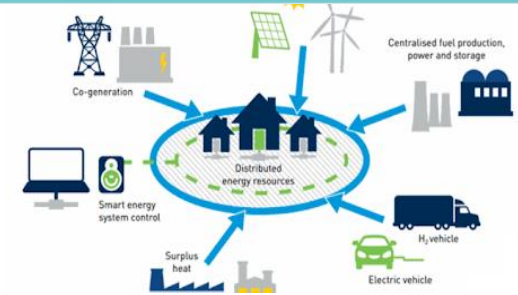


**Pilot projects**

- POC with smart city sensors
- Drones to detect environmental pollution
- Sensors to track bike sharing routes



# Roadmap Forums towards Parma Smart City



## 1) PED – Positive Energy Districts - Pillar: Towards a Carbon Neutral City

Main outcomes:

- Smart buildings and smart neighborhoods
- Smart Energy Grids

## 2) Urban Governance & Data Platform - Pillar: Towards a smart, shared and sustainable mobility

Main outcomes:

- Intelligent mobility flow management
- Intermodal and shared mobility



# Roadmap Forums towards Parma Smart City



## 3) Green Economy - Pillars: Towards a Carbon Neutral City / A laboratory for innovation and digital transition

Main outcome:

- Sustainability and Carbon Neutrality practices in the business world

## 4) Green Jobs and Start Up - Pillar: A laboratory for innovation and digital transition

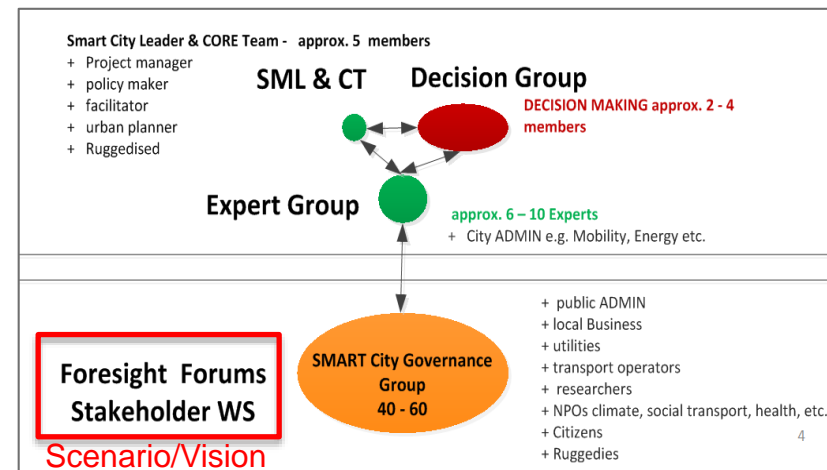
Main outcomes:

- Strengthening of the enterprise acceleration system
- Competence Economics
- Multi-Stakeholders Partnership



# Governance Structure in *Parma*

- Project Manager
- Smart City Leaders: political + operational
- Decision Group: Mayor, 3 Deputies, General Director
- Core Team:
  - Energy and Climate Division;
  - Mobility Sector;
  - IT Sector;
  - EU Funding Division;
  - Infomobility;
  - Isinnova;
  - University of Parma;
- Expert Group:
  - Parma Energy Agency;
  - Mobility Experts, smart Waste Experts;
  - Communication Division;
  - Urban Planning;
  - Civil Protection;
  - Local Police.







# Governance Structure in *Parma*





## Looking back to our experience in RUGGEDISED

Pro	Cons	Success factors
Built a strong relationship with the stakeholders	Length of the process	Commitment and support of motivated politicians to get accountability, leadership, direction and control of the smart city process
Pilot projects with startups	Difficulties to overcome the habit to work in sylos	Regular meetings to get support from all levels of an organization and preserve and strengthen stakeholders' confidence
Partners committed to cooperate on the 4 projects and in future opportunities	Difficult in getting full political support in a long term vision of the city	Clarity of purpose



## ROTTERDAM . UMEÅ . GLASGOW BRNO . PARMA . GDANSK



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