



Integrated Solutions for Positive Energy
and Resilient Cities

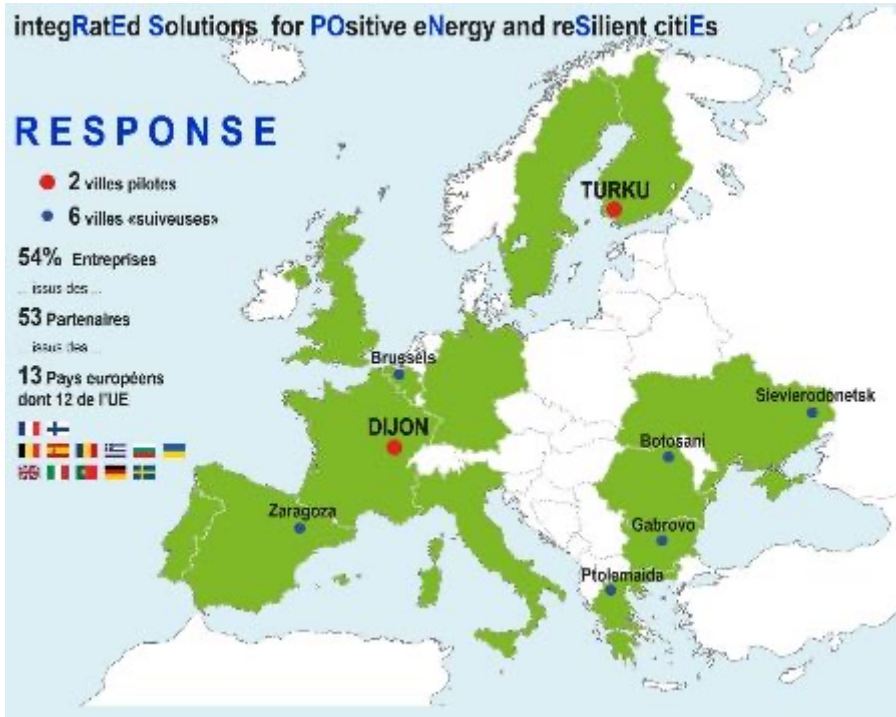
Integrated Solutions for Positive
Energy and Resilient Cities

RESPONSE FOR SUSTAINABLE PLACES

A FAIR ENERGY TRANSITION : DEVELOPING PEBs IN DEPRIVED AREAS



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement n° 957751. The document represents the view of the author only and is his/her sole responsibility: it cannot be considered to reflect the views of the European Commission and/or the Innovation and Networks Executive Agency (INEA). The European Commission and the Agency do not accept responsibility for the use that may be made of the information it contains.

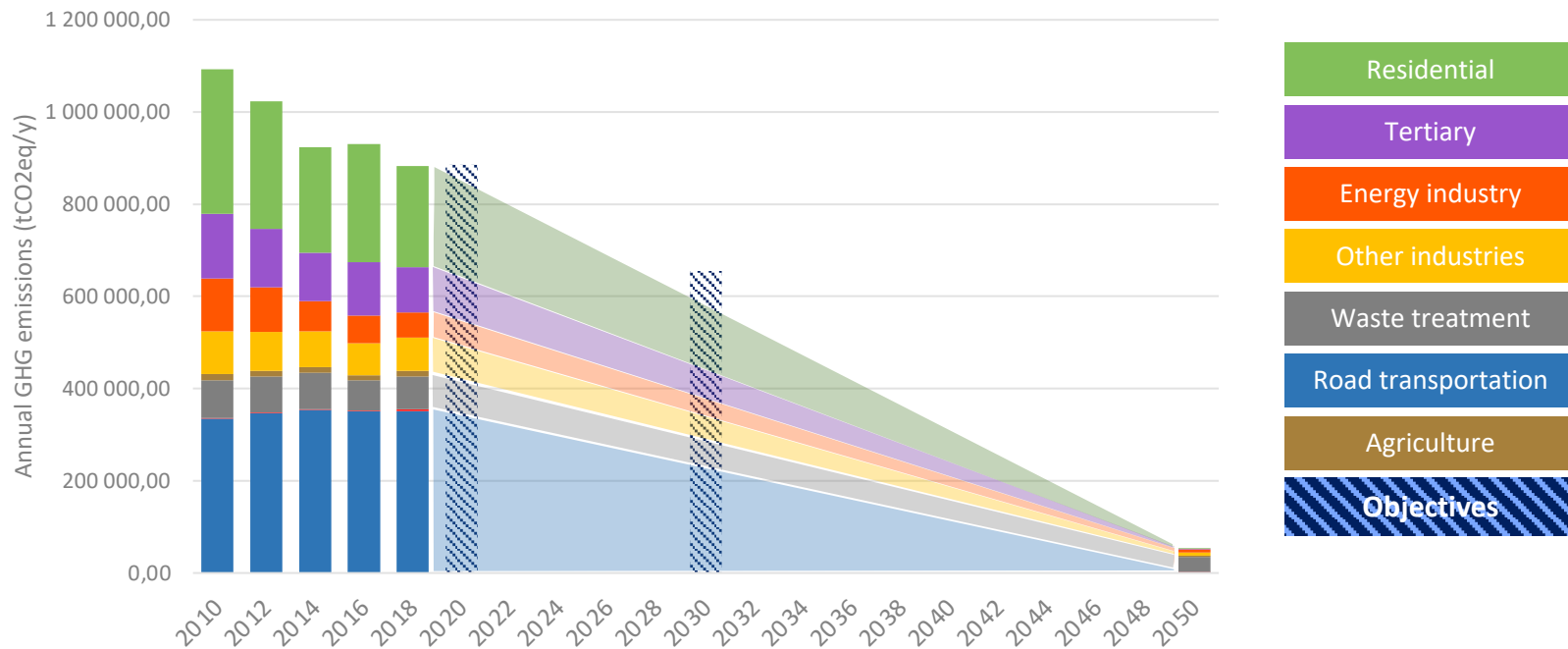


RESPONSE project 2020-2025

Consortium 50+ partners :

- Dijon consortium 19 partners
- Turku consortium 18 partners
- 6 Fellow cities with 9 partners
- 8 « horizontal partners »
(technical experts, project managers, research centres, etc.)

Dijon Métropole: Annual GHG emissions, by sector, with objectives 2020, 2030 & 2050

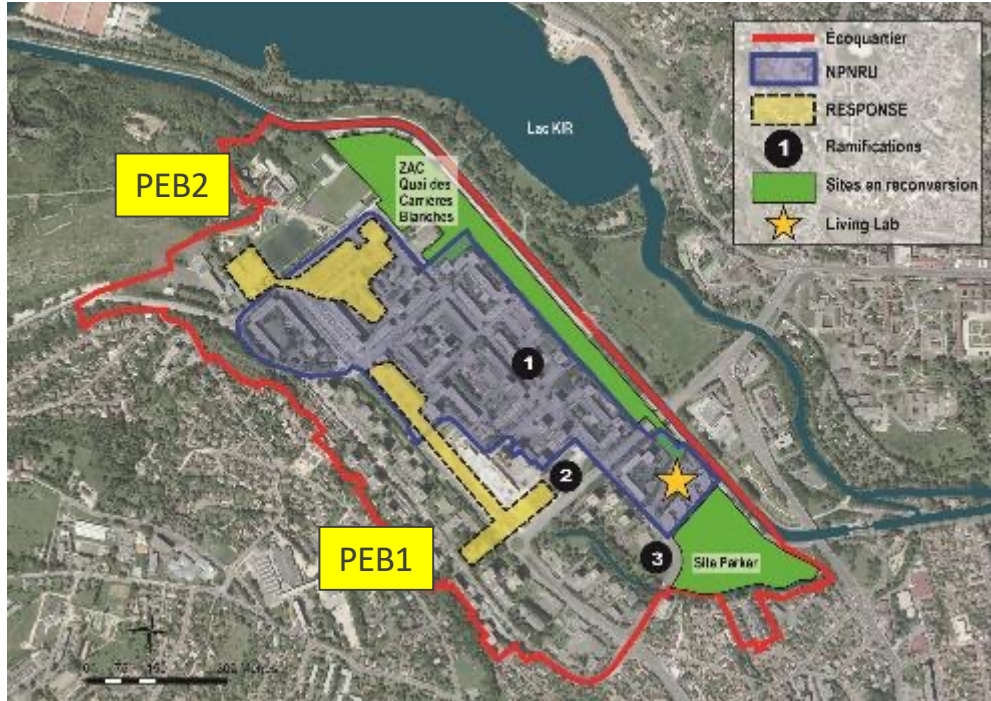


Fontaine d'Ouche District



- Dijon PEBs:
 - Built in 1968
 - 1400+ inhabitants and users, 40%+ below poverty line
 - 5 residential buildings, 3 schools, city services buildings and road areas
 - Energy consumption reduction 2019-2023: -39%
 - Energy production/consumption : 112%

PEB: Summary



- **3 schools**
 - ~500 schoolchildren and teachers
- **City-owned assets**
 - Streets, sport centre, parkings
- **District heating network**
- **5 social residential buildings**
 - 2 Orvitis + 3 GDH
 - ~650 inhabitants
- **Management DM, EDF, Bouygues**
 - Over 20 Working groups

Fontaine d'Ouche: District already under transformation



Summer 2021



Fontaine d'Ouche: District already under transformation



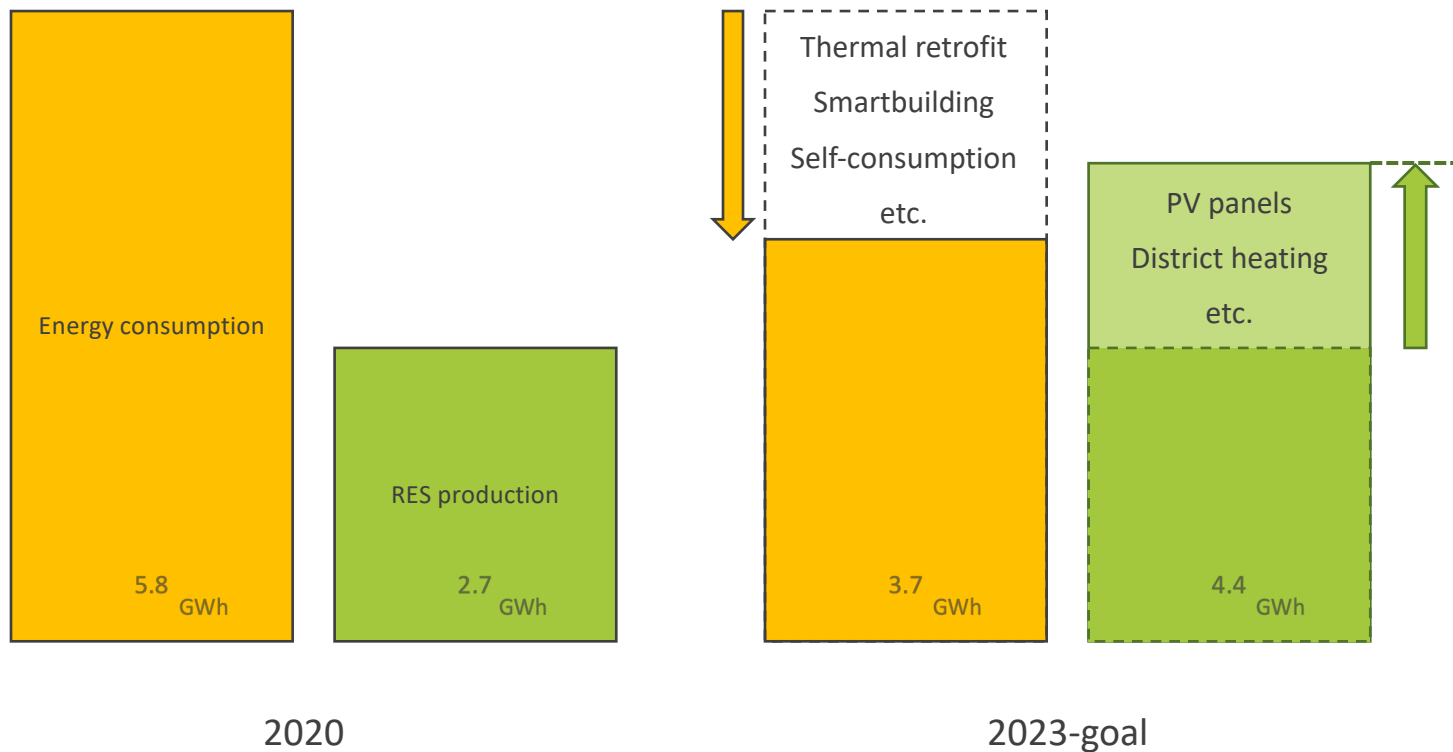
Summer
2021



End 2021



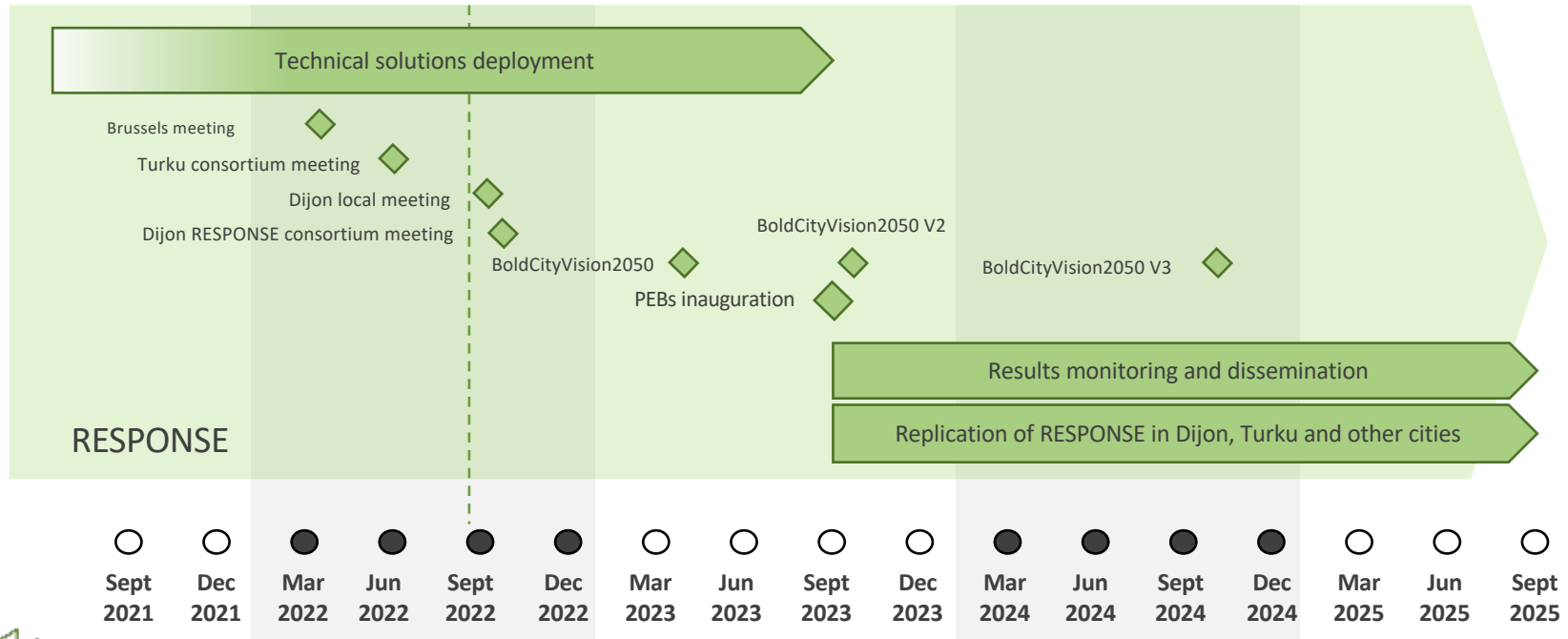
PEB: Summary



Example: Buffon School



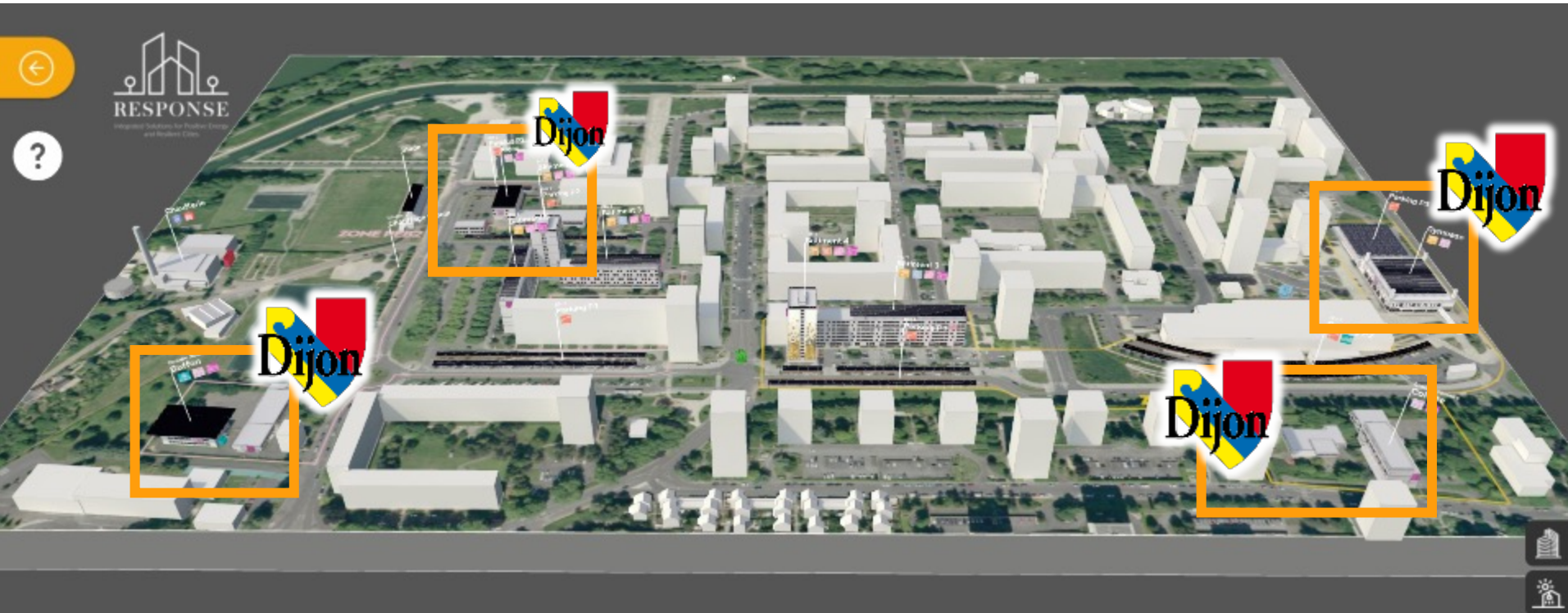
RESPONSE Dijon timeline in a nutshell



Visit RESPONSE via our online tool <https://response.metropole-dijon.fr/>



City owned buildings: 3 schools and a sport centre



Blocks composed of 5 residential buildings owned by social landlords (650 tenants)



2019

2023-goal

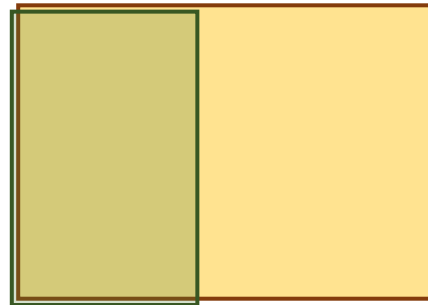
No export

'PEB1'

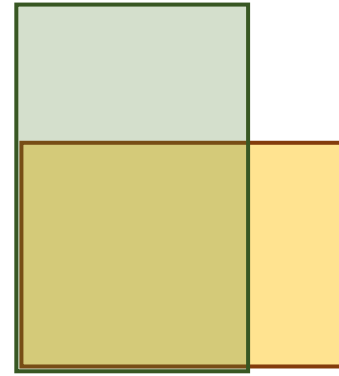


55%

'PEB2'



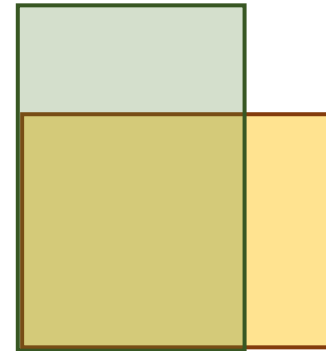
39%



29%

PEB1

32%



27%

PEB2

A city project with the citizens



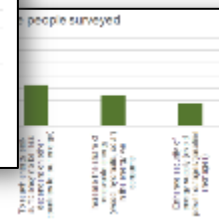
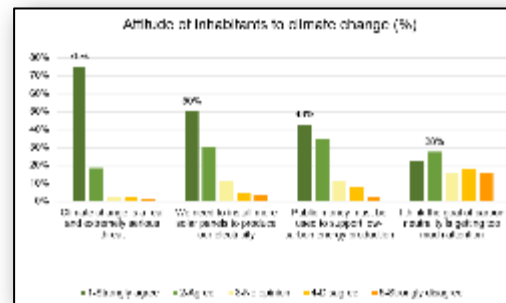
Communication



Citizen empowerment



civocracy

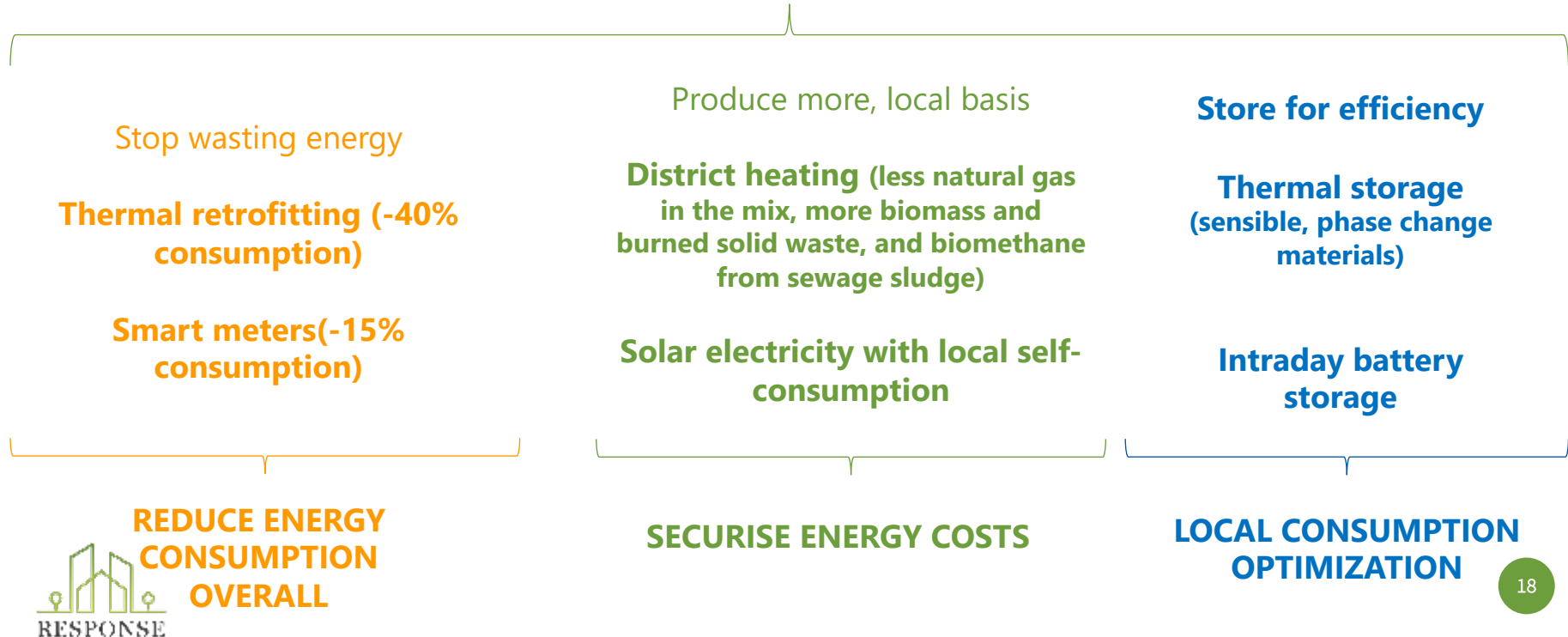


Tools and Actions:

- Civocracy platform : digital participation platform for community engagement
- Both physical and virtual models of the project as a presentation medium for residents and partners
- Open innovation challenges (Ideathon and hackathon) to develop solutions to the problems of the Energy Transition in the region
- Questionnaires on a regular basis
- Project ambassadors

What's in it for the inhabitants?

Being proud to be on the forefront of Dijon city





Remaining challenges

- **Hire project ambassadors in a district with low interest for energy-related subjects?**
- **How will we explain the value of cost containment solutions when the bill will rise anyway?**



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