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Commission | The Intelligent Cities Challenge is funded by COSME, the EU
programme for the Competitiveness of Enterprises and SMEs

Stakeholder workshop

Castelló de la Plana





UNaLab • Replication Roadmaps for UNaLab Follower Cities



Desired future scenario

In 2050 Castellón is making the best possible use of water and natural resources. Zero-waste is achieved through 100% re-use of waste water with actions on different scales at home, district and city level, taking into account the different quality levels of water. The people of Castellón enjoy their green city, well connected to the sea. Green corridors that connect the different areas of the city provide a high quality living environment for everyone. A zone around the city with nature based solutions create a pleasant surrounding, with local agriculture, developed wetlands, and 'green' industrial areas.

In 2050 the people of Castellón act responsible with regards to water, waste and natural resources. Applying nature based solutions is standard procedure in the municipalities policy making and city design. Everybody is involved in the planning and design of their living environments and has the knowledge to recognise the impact on the quality of his life.

Key elements in the desired future scenario:

Zero-waste water cycle

A holistic strategy for water management in the region realises a zero-waste water cycle. The river, filled with rain water and purified waste water, is the centrepiece. Systems for water storage (e.g. during heavy rain fall), treatment and re-use at different levels (e.g. house, district, city) are applied and the water quality is monitored to stimulate circularity for different applications. The wetlands are a lake district, where recreation, water retention and agriculture go hand in hand.

Green connections through the city

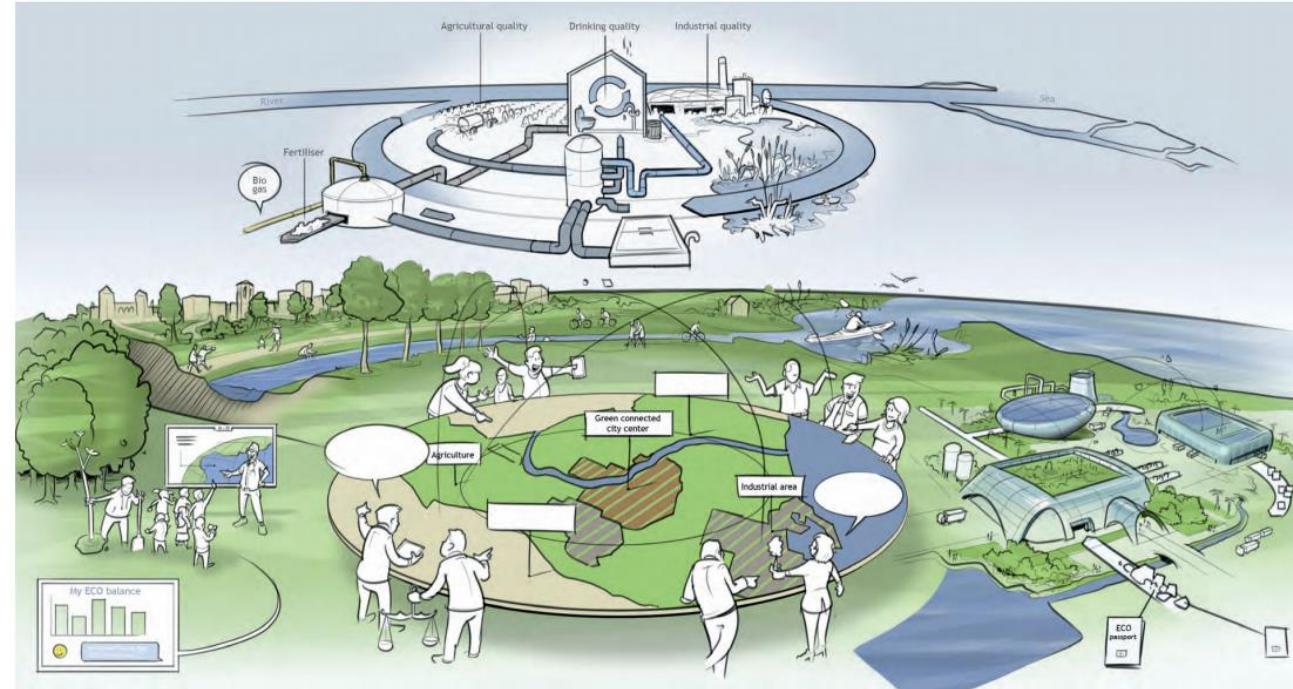
The people of Castellón enjoy their green city with a comfortable living environment for everyone. The green contributes to a high air quality and a pleasant climate. People spend much time outside in shaded streets and squares. They enjoy walking or cycling towards the sea on paths through attractive wetlands or along local agricultural sites, where people can pick their own food. The river banks provide spaces for children to play and green paths for pedestrian and cyclists. The river has become a lively area of the city.

Education in sustainability ... the starting point

The awareness and knowledge of the people of Castellón is high, as a result of a strong educational program that involves children, adults, administration, companies and professionals. Supported by new technologies that gather data and increase knowledge on the impact of nature based solutions on climate and water resilience, people adopt sustainable behaviour. A local board of sustainability is a mix of politicians, experts, people from companies and citizens from different neighbourhoods, that together develop the knowledge on what is possible in the domain of water, energy, and resources.

'Green' industrial areas

Industrial areas are small 'eco-cities', where companies together create circular solutions for water, waste and renewable energy. A reliable water system monitors the different quality levels and stimulates re-use for the right purposes. An eco-passport for waste enables the re-use of materials. Renewable energy solutions, such as thermal energy, solar, wind and biomass, are jointly implemented. Industrial areas are green areas, with shaded bicycle paths for commuting and running tracks for lunch time activities. Green roofs and façades provide a comfortable space for happy and vital employees.





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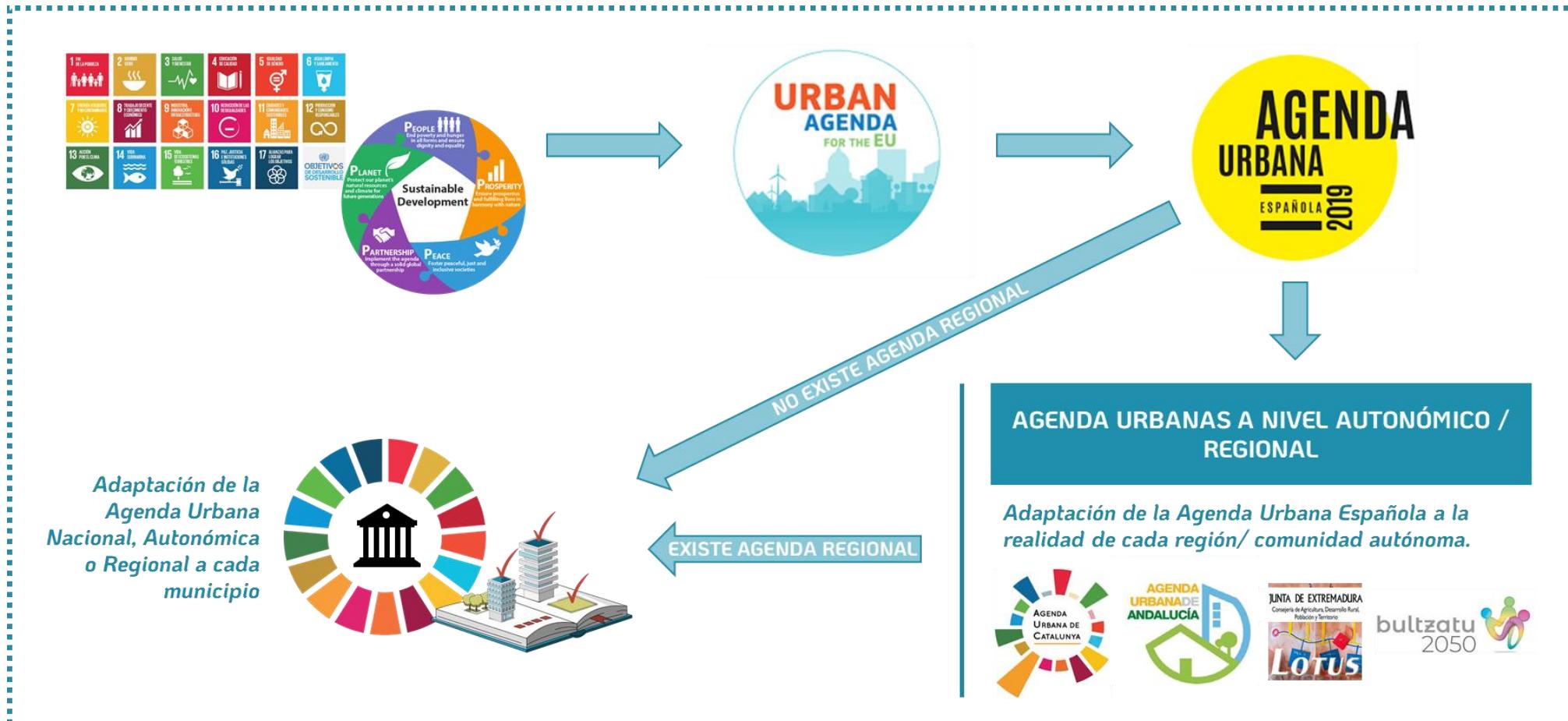
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- **MAPA DE DEMANDA TEMPRANA**
- **LANZAMIENTO CONSULTAS PRELIMINARES DE MERCADO**
 - Reto Centro de envejecimiento Activo y Saludable
 - Reto Simulación Digital

Plazo hasta 31
Diciembre

Financiado por Agencia Valenciana de la Innovación



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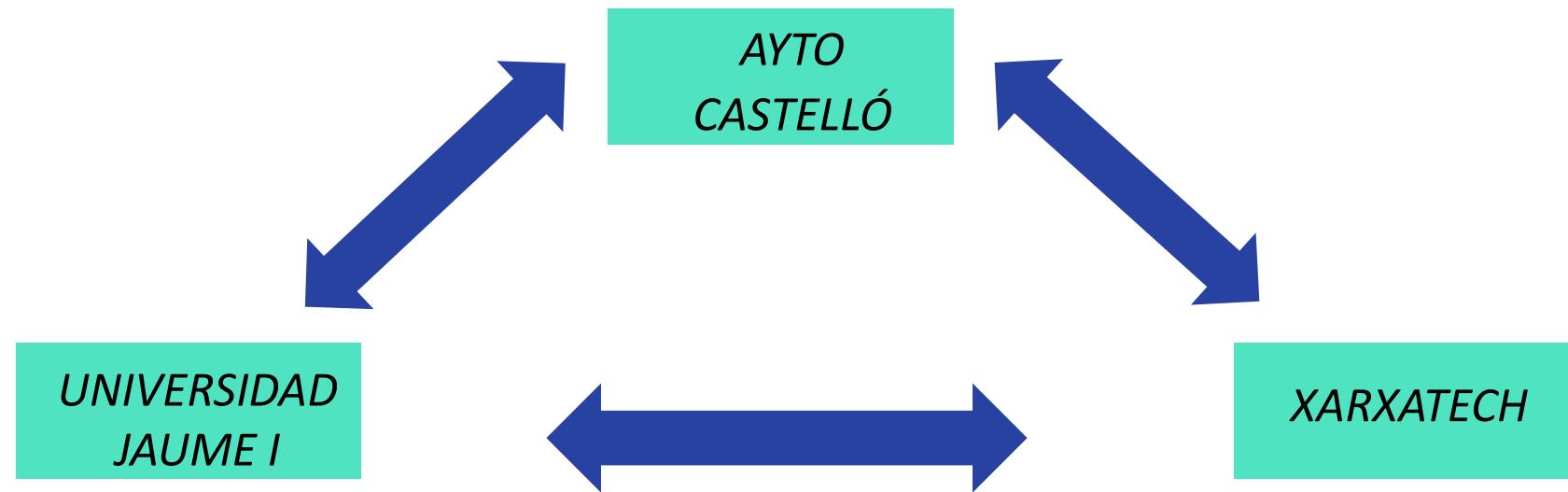
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- **EQUIPO DE TRABAJO**



- **THEMATIC TRACK**
- **Green Economy and Local Green Deals**

- Soluciones de energía renovable y eficiencia:
- Retos MDT
- Autoconsumo
- Eficiencia energética en edificios
- Luminarias
- Peatonalización de calles
- Optimización de recursos hídricos

Gracias por su atención



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