

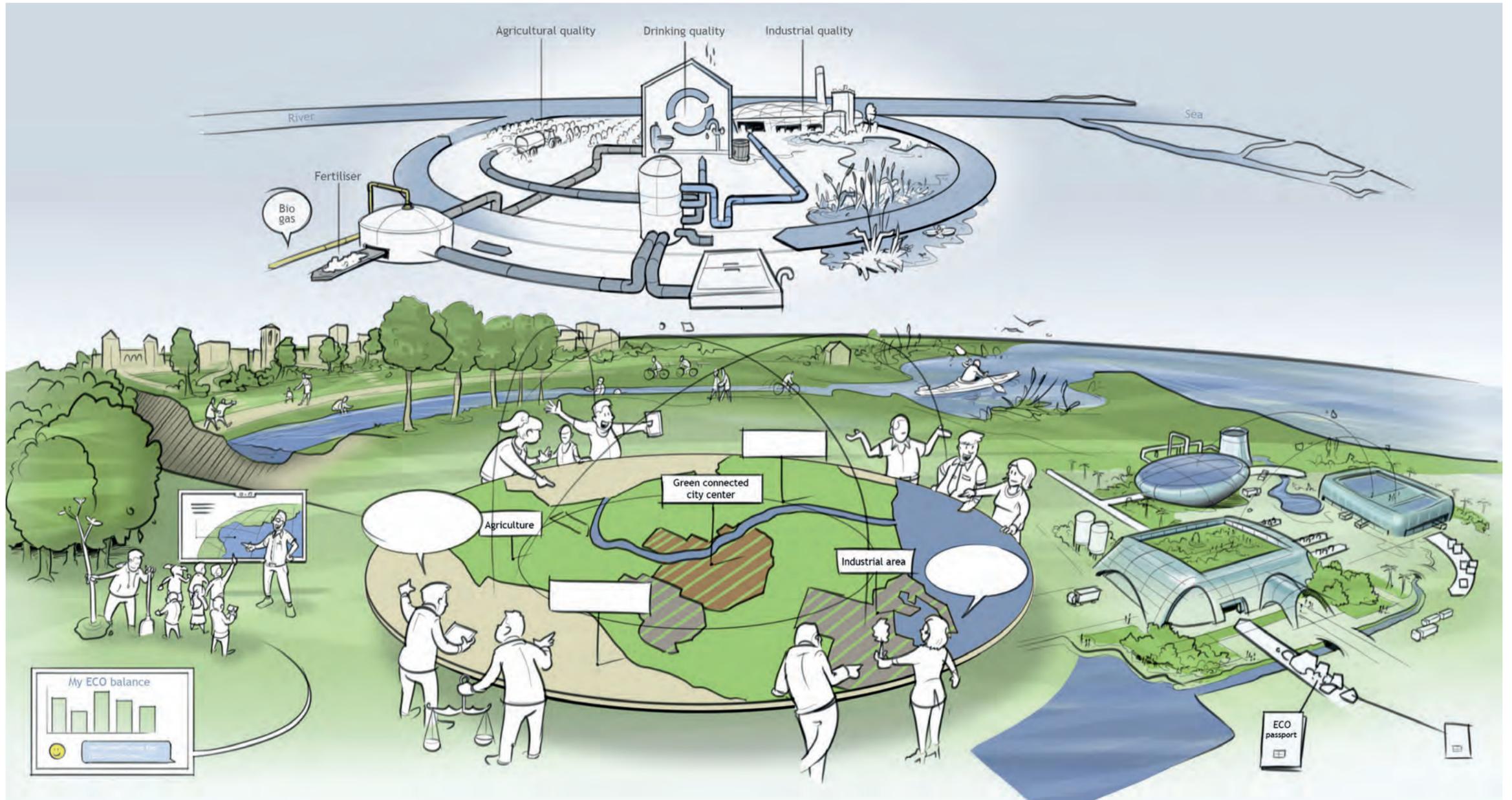


# Castellón 2050: A green city for all people to live

## 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 levels, 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 creates a pleasant surrounding, with local agriculture, developed wetlands and 'green' industrial areas.

In 2050 the people of Castellón act responsibly with regard to water, waste and natural resources. Applying nature-based solutions is standard procedure in the municipality's 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 their life.



Key elements of 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 rainwater and purified waste water, is the centrepiece. Systems for water storage (e.g. during heavy rainfall), treatment and re-use at different levels (e.g. home, 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 a lot of time outdoors 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 riverbanks provide spaces for children to play and green paths for pedestrians 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 programme that involves children, adults, administration, companies and professionals. People adopt sustainable behaviour, supported by new technologies that gather data and increase knowledge on the impact of nature-based solutions on climate and water resilience. A local board of sustainability is a mix of politicians, experts, people from companies and citizens from different neighbourhoods, who together develop the knowledge of what is possible in the areas 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 lunchtime activities. Green roofs and façades provide a comfortable space for happy and vital employees.