

# Pilot Actions in 6 municipalities

## EU Green Week 2020



# Lorca



# Reduction of urban heat waves



The aim:

- To reduce the heat during the summer period.
- To improve social and economic activity on the central streets during the summer days.

This action involves the installation of awnings in various crowded street of the city, creating shaded areas that improves the thermal comfort of the citizens, reducing the temperature on the building walls and pavements due to solar radiation.

# LOCATION of PILOT ACTION



Planned

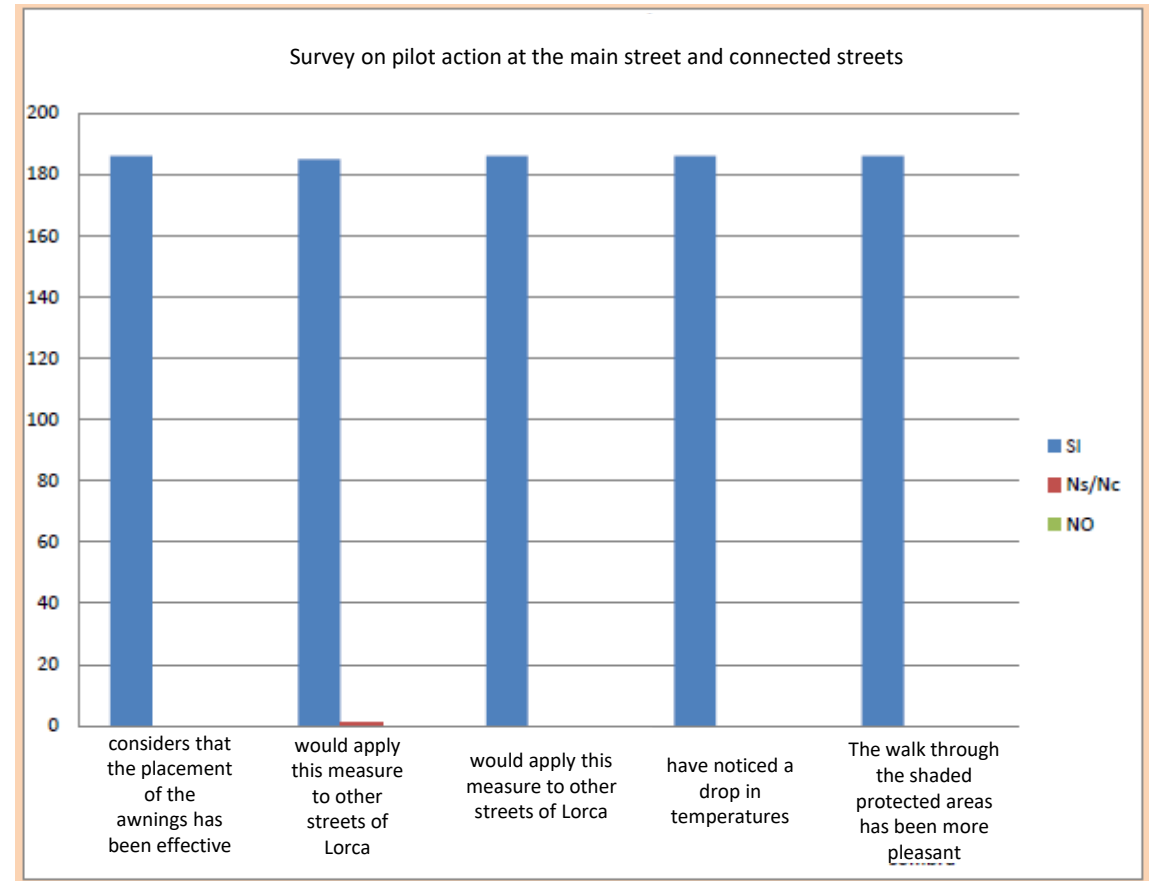
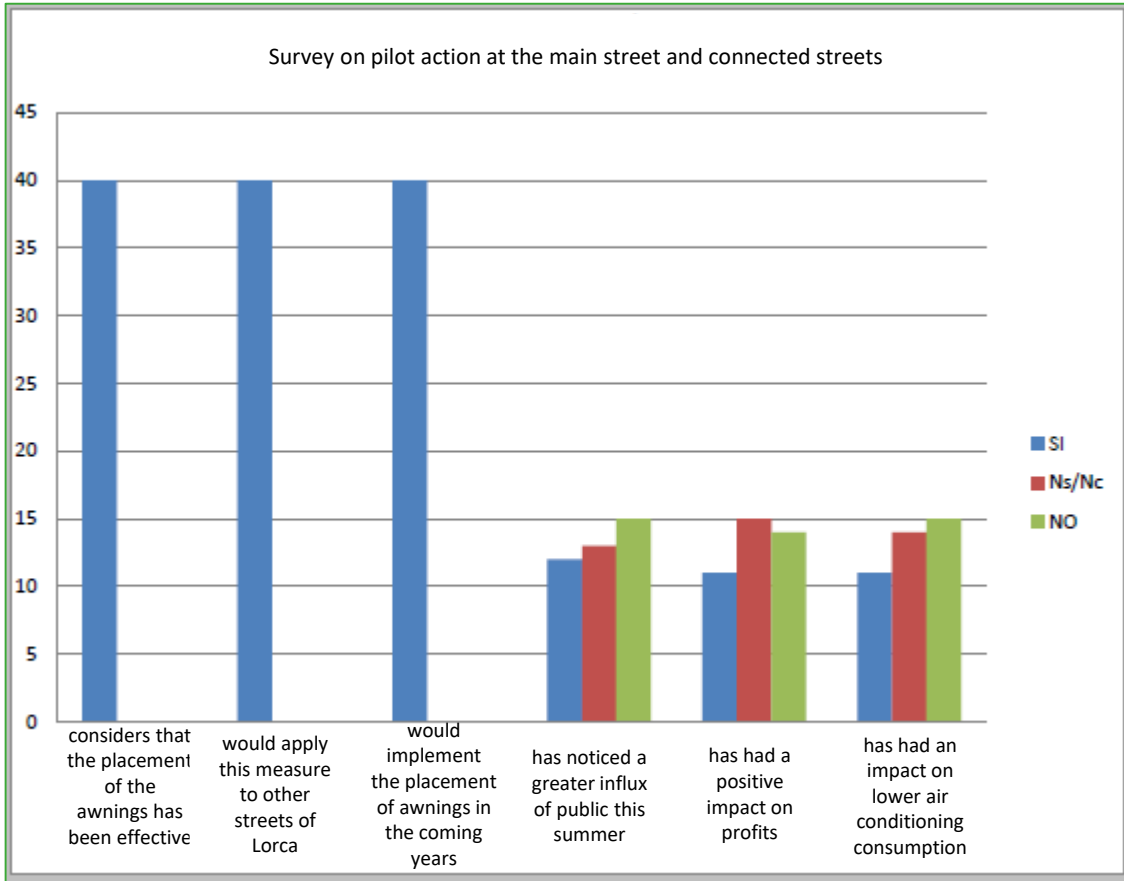


2019



2020

# Survey of the citizens and businesses



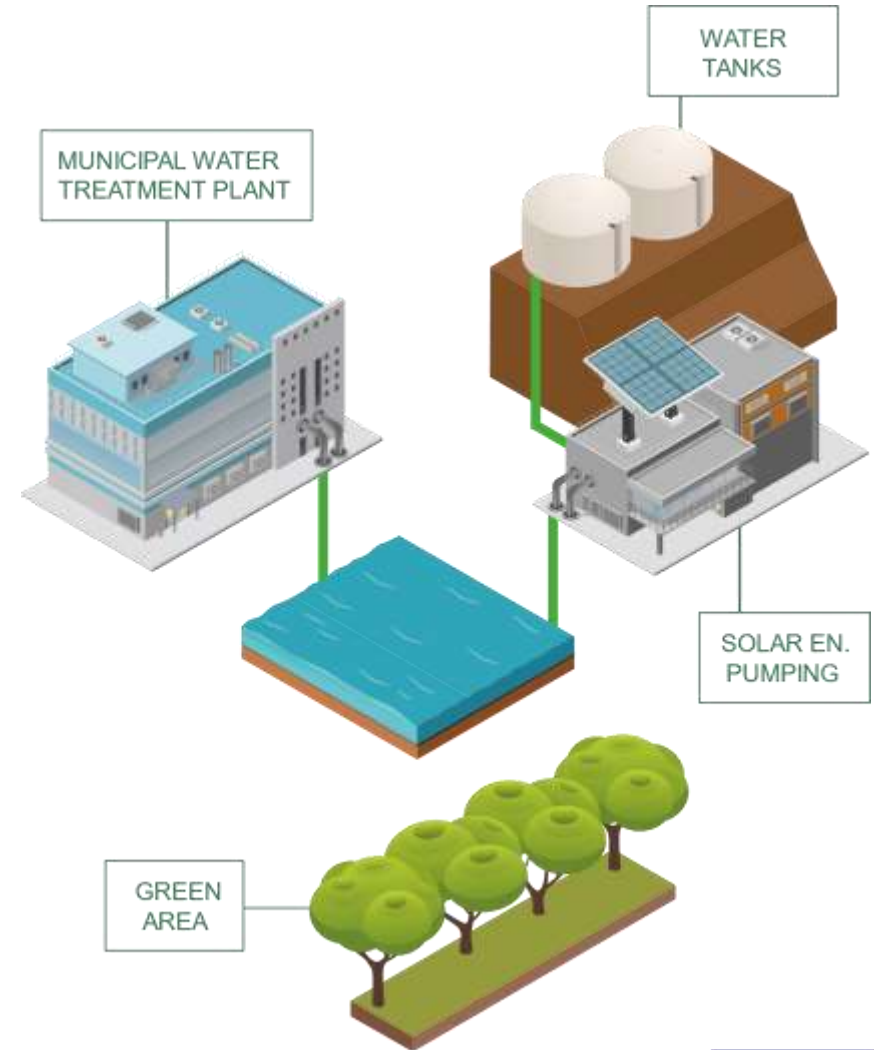


# Águilas



# Adapted Wooded Area in Aguilas

- 1. Catchment, pumping, conduction, storage and distribution of the recycled waste water.*
- 2. Creation of an autochthonous green wooden area near the north circumvallation road.*



# The irrigation system





# Main benefits

- 1. Use of Sustainable urban drainage system – water from municipal water treatment plant are reused to irrigate new green territory.**
- 2. Green territory of 30 000m<sup>2</sup> were created using local species:**
  1. Reduced temperatures, because of shaded territory
  2. Improved local biodiversity



# Cartagena

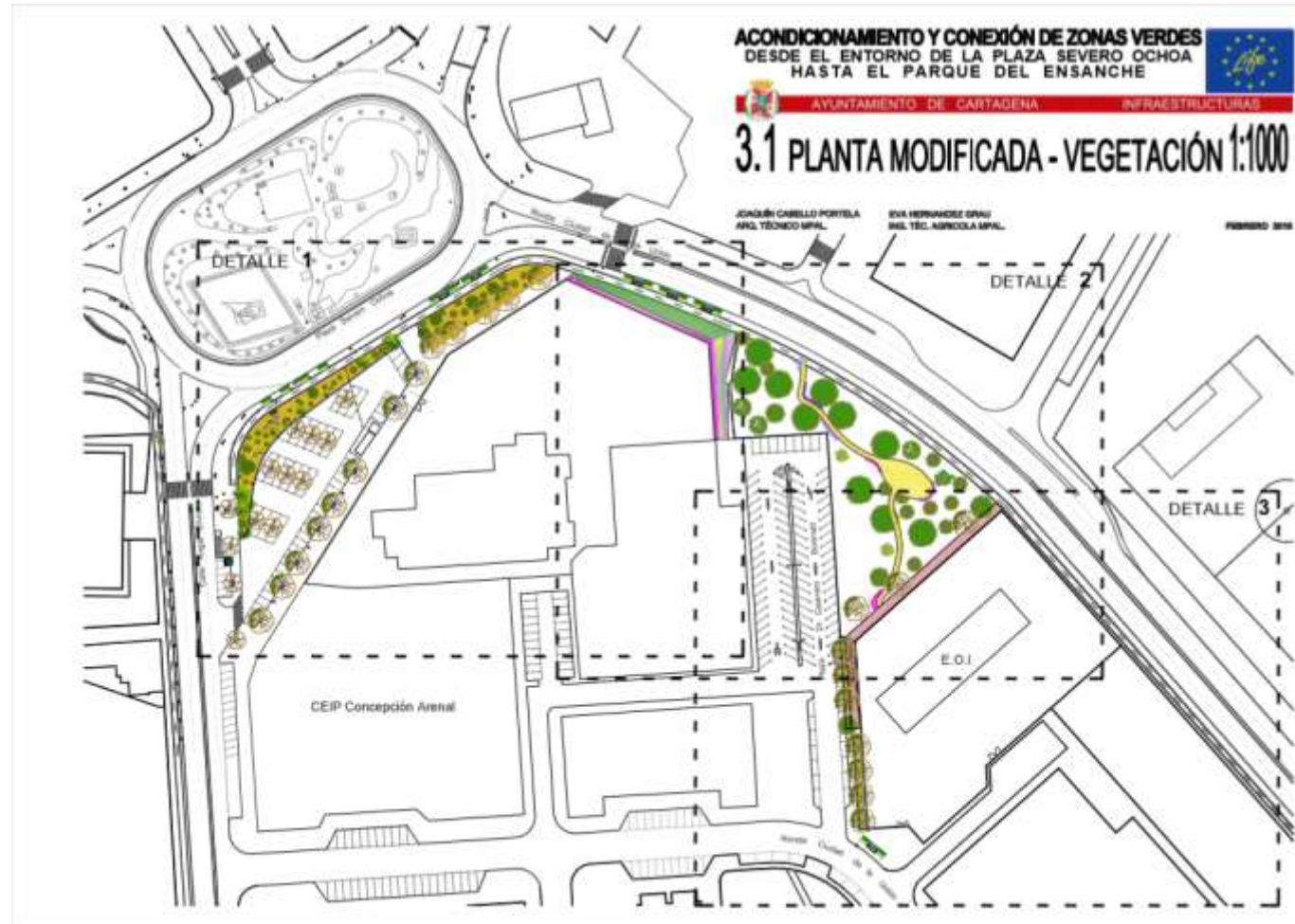


# Shaded Spaces in Cartagena

- To link green areas;
- To create shade at pedestrian promenades, by using plants and trees;
- To reduce temperature at a walking spaces;
- To provide neighbours with a pleasant environment in which to walk and live together!



# Shaded Spaces in Cartagena





# Shaded Spaces in Cartagena

- 1. More shade, better comfort on pedestrians.**
- 2. Green corridors improve biodiversity and thermal regulation at surrounding urban territory!**
- 3. Improved urban environment!**



# Smiltene



# Artificial lake at Smiltene

- Deepening and cleaning of Lake Vidusezers
- Reconstruction of existing sluices
- Restore the slopes in the area and strengthen them to avoid further landslides.



*Before*



*After*



# Artificial lake at Smiltene



*Before*



*After*



# Artificial lake at Smiltene

- Significantly reduced eutrophication of the lake;
- Improved hydrological system;
- Improved quality and flowrates of the water;
- Improved urban environment and reduced flood risk.



# Mertola



# Creation of Shaded Areas and Sustainable Tourism plan

Shaded areas with integrated renewable energies will help to reduce heat waves and improve the comfort of the public places!

Sustainable tourism plan has been developed to raise awareness on the protected areas, making people increasingly more interested in and supportive of them.



# Creation of a multi-purpose forest

Project regarding the creation of a multi-purpose forest based on indigenous species and promotion of the natural regeneration of these species.

This will be implemented in both Portuguese municipalities.





# Alfandega da Fe



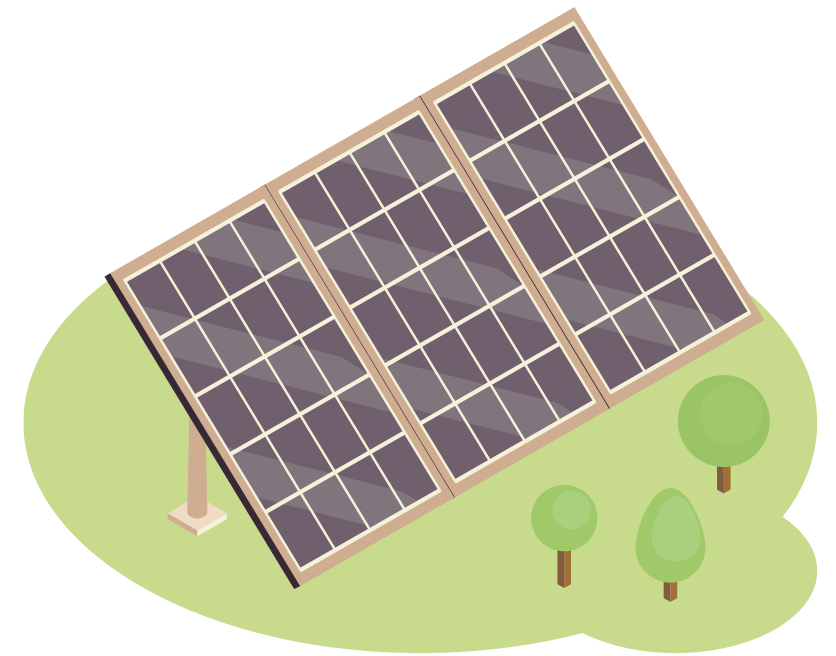
# Construction of a natural lake

- **Favors cooling;**
- **Ensures water for farming irrigation;**
- **Support for forest firefighting.**



# Shading areas with the integration of renewable energies

- Shade provided at public space
- Renewable energy produced



**Thank You!**

