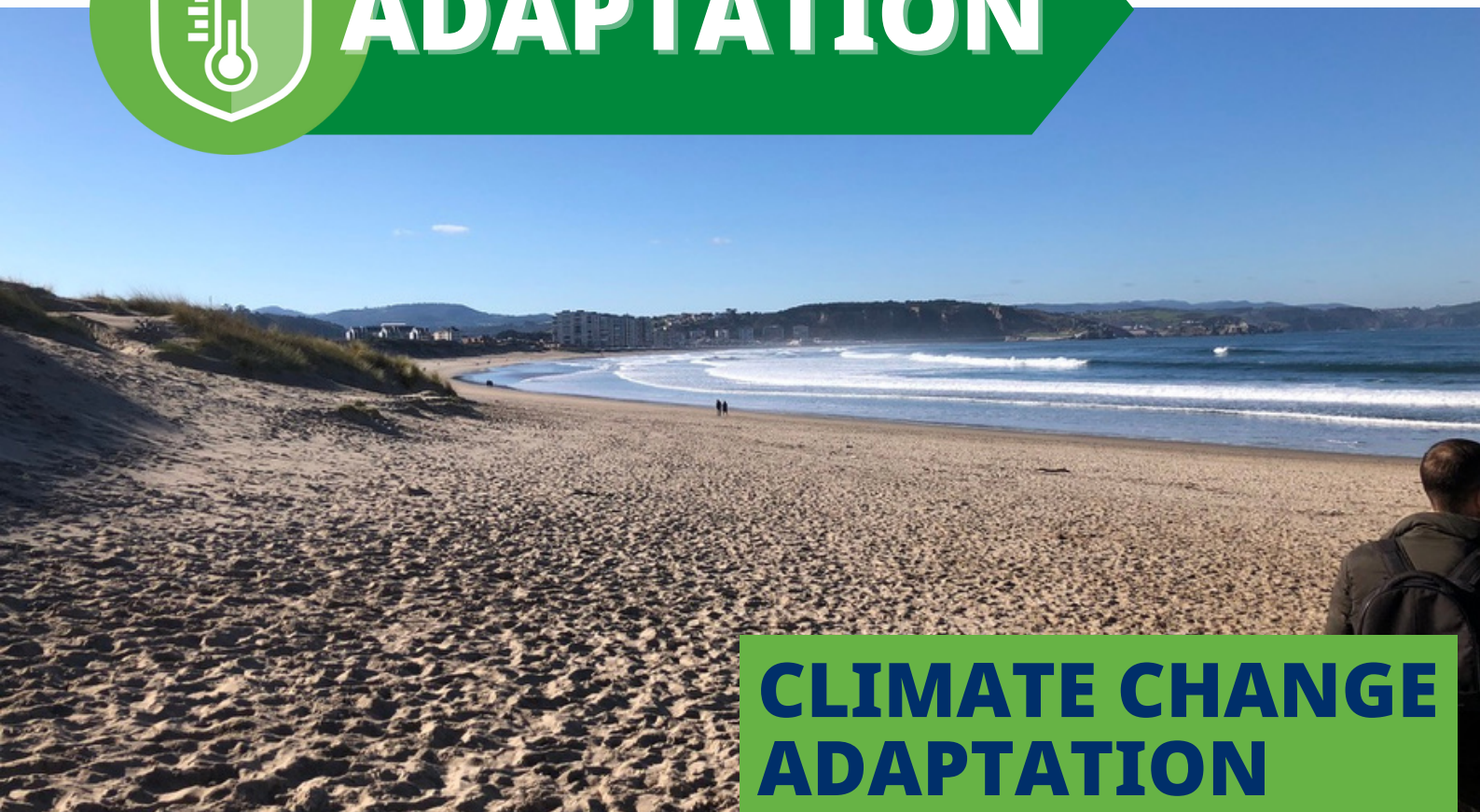




ADAPTATION



CLIMATE CHANGE ADAPTATION PILOTS IN ASTURIAS

ASTURIAS, SPAIN

Three demonstration areas will be better adapted to climate change impacts such as heavy precipitation and flooding and coastal erosion - an area attached to the beach of El Espartal, Castrillón, La Llosa, Ferreros in Ribera de Arriba and San José, Lada in Langreo. Here different nature-based solutions including Sustainable urban Drainage System (SuDS) will be established. The three problematic sites serve as pilots for adaptation measures and could form the basis for an Urban Living Lab.



HAZARDS ADDRESSED

- Extreme heat, droughts, and water scarcity
- Heavy precipitation and flooding
- Storms (severe wind, cyclone, lightning, storm surge)
- Sea level rise



SOLUTIONS

- Risk assessments for the areas



FUNDING

- Regional grants
- National grants

STATUS OF MEASURE





DIRECT BENEFITS

- Reduced heat impact in the area and in buildings
- Improved drainage of storm water
- Captured precipitation for irrigation purposes



CO-BENEFITS

- Building of technical capacities through living lab
- Boosting the economic potential of the area
- Engagement of civil society



STAKEHOLDERS ENGAGED

- University of Oviedo, Municipalities of Castrillón
- Langreo and Ribera de Arriba
- Asturias region authorities
- National Government
- Civil Society (Neighbourhood associations and Ecological associations)
- Asturian Federation of Municipalities



NEXT STEPS TO PROGRESS AND/OR UPSCALE THE MEASURE:

The municipality is well on its way to continue implementing this measure. Key to moving forward will be to continuously convince the procurement department of the benefits of these proposed actions. These benefits include those to the urban environment, to the city and its financial feasibility. Finally, to serve as an example for other municipalities to replicate, the project needs to be realised and made visible.