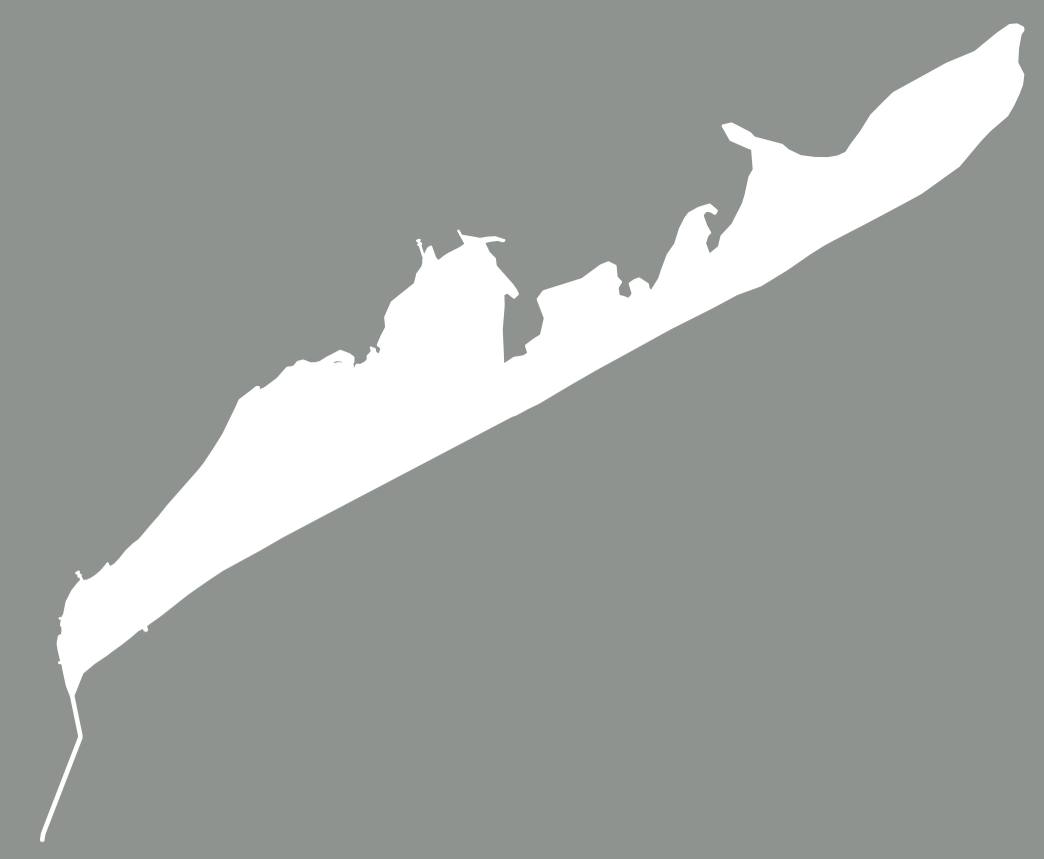


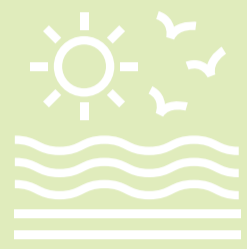
Culatra

Portugal



Culatra in a nutshell

A small island in the Algarve region



Part of the Ria Formosa National Park
It is a sand bar island without paved roads

Population distributed over 3 settlements



Culatra Village, Hangares & Farol
Permanent population: ~1,000

Well connected to mainland by ferries in summer



Many inhabitants have private boats

- ~10 km to Faro
- 30-40 min

Fishing and tourism support the local economy



Inshore fishing and shellfish farming
Tourism during the summer

Energy System Description

	Final Energy Consumption in 2018 [MWh]	CO ₂ [tonne]
Electricity	3,277	1,209
Heating	8,640	2,123
Transport to & from	4,116	1,031
Transport on Island	116	29
TOTAL:	16,149	4,392

*The final energy consumption data has been estimated based on national and local statistics

Electricity

The interconnection with the mainland provides most of the electricity for Culatra Village.

Part of the houses of Farol and Hangares are completely energy autonomous.

Heating

Mostly provided by electric heating and heat pumps.

Transport on the island

A limited number of tractors and motor tricycles carry goods and assist residents with reduced mobility.

All vehicles are powered by fossil fuels.

Transport to and from the island

Passenger ferries are powered by diesel.

Shop owners transport goods and fuels to the island on a daily basis with their own boats.

Stakeholder mapping

Civil society

Resident Association
 Culatra Sports Club
 Sailing Association Nossa Senhora dos Navegantes
 Make it Better (facilitator for participatory diagnosis)
 NGOs AECO SCIAENA

Business sector

EDP
 Engineering & technology providers
 Molhe Leste
 Algarve Water Company etc.

Public sector

Institute for nature conservation & forestry
 Portuguese Environment Agency
 Ministry of the Sea
 Coastline re-qualification & valorisation society
 National Maritime Authority
 Algarve Coordination and Dev. Commission
 Faro municipality

Academia

University of Algarve

Culatra 2030 Initiative

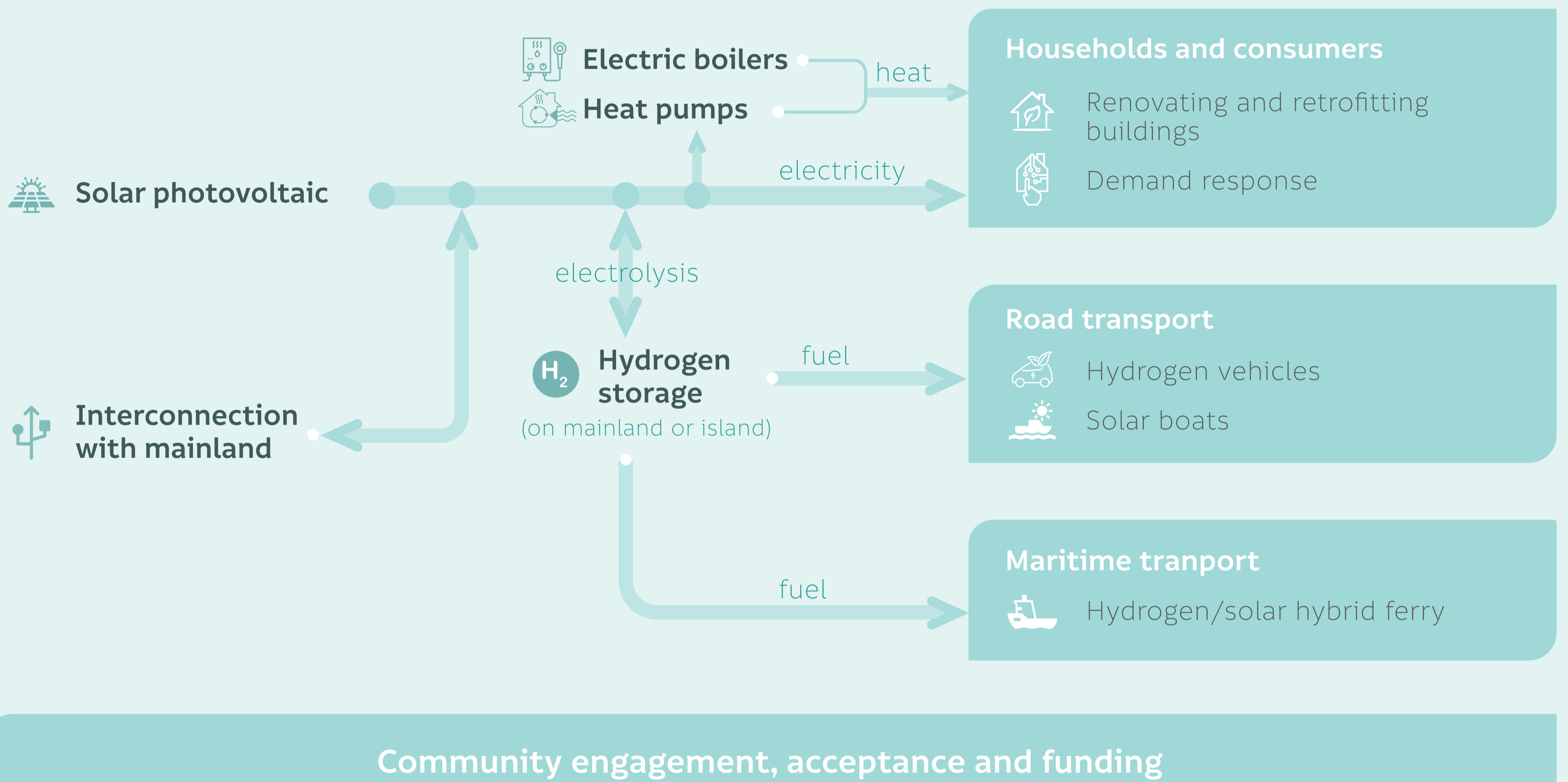
The aim of the Culatra 2030 project is to become energetically independent; treat and value waste on the island, and produce fresh water for self-consumption.

Since its launch in 2018, the project has led to the organisation of workshops where island residents can voice their vision and propose actions for island development.

Vision

The vision of Culatra 2030 Initiative is to create an energy community that manages and shares its own energy. Before 2030, renewable energy will allow for a fully decarbonised electricity system.

Transition pathways



Transition governance

