

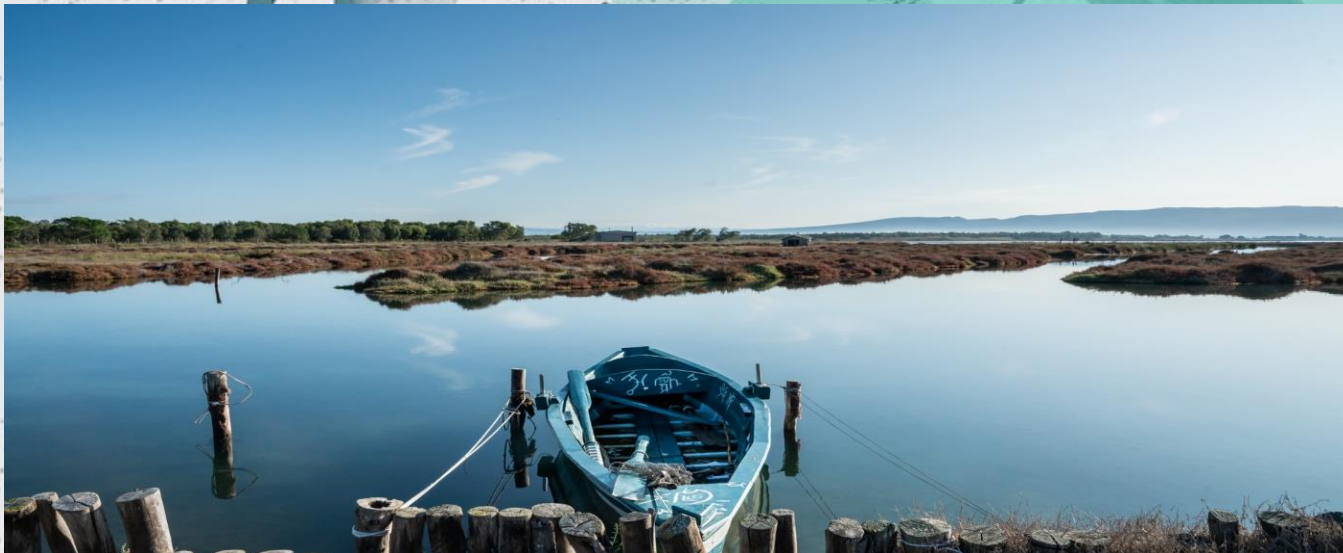
# MARISTANIS

*Integrated Management of Coastal and Marine Habitats of the Gulf of Oristano*

## **MEDSEA Foundation**

Luca Foschi PhD, Communication Manager

*Rabat, 17<sup>th</sup> December 2019*



# The Area, 7.600 ha

## 6 Ramsar sites

*Sal'e Porcus, Mistras, Cabras, Pauli Maiori, S'Ena Arrubia, Corru S'ittiri, Marceddì, San Giovanni.*

## 11 Municipalities

*San Vero Milis, Riola Sardo, Nurachi, Cabras, Oristano, Santa Giusta, Palmas Arborea, Arborea, Terralba, Guspini, Arbus.*

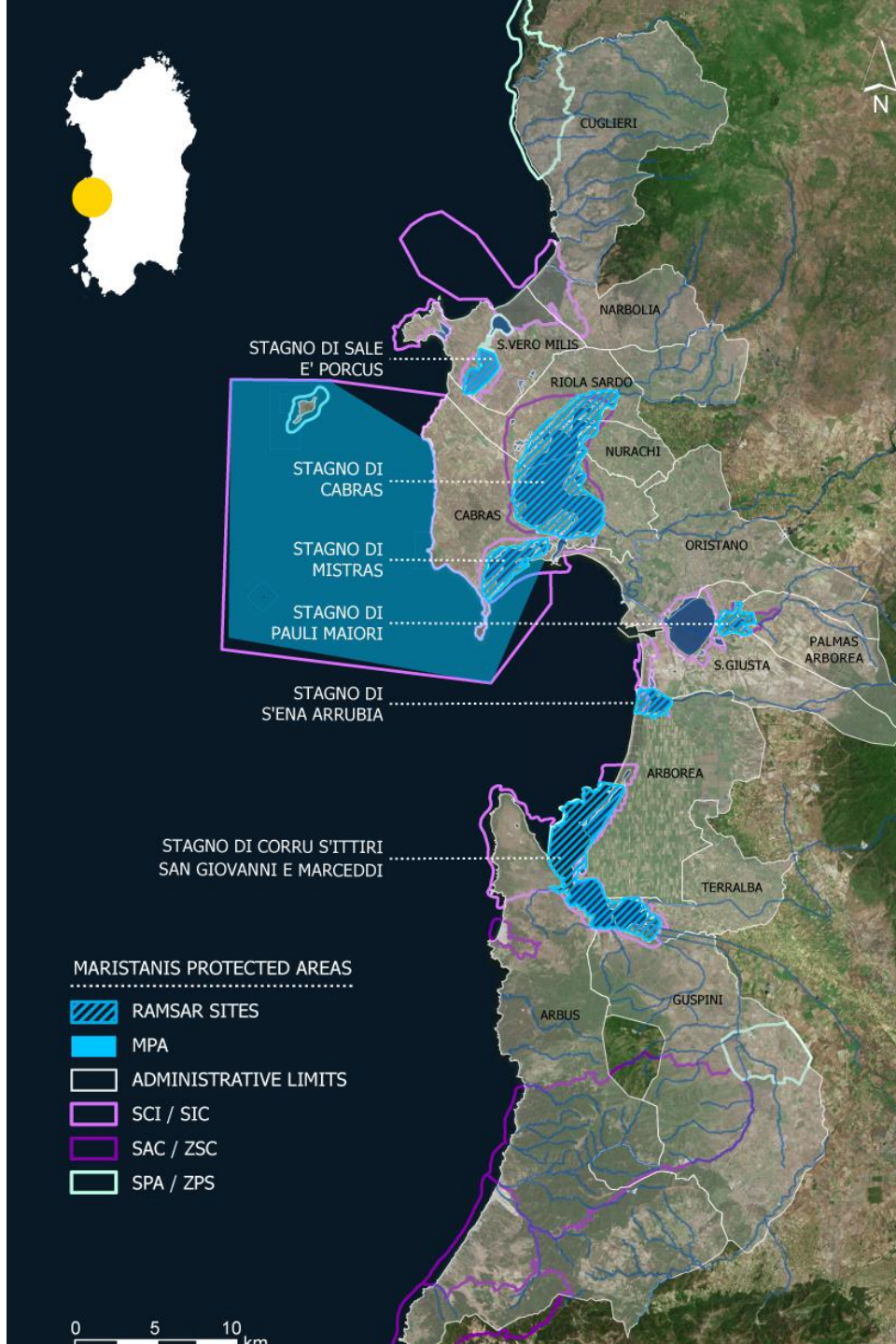
1MPA/ 1SPAMI

## Natura 2000

10 SCIs

7 SPAs

Population: about 78.000



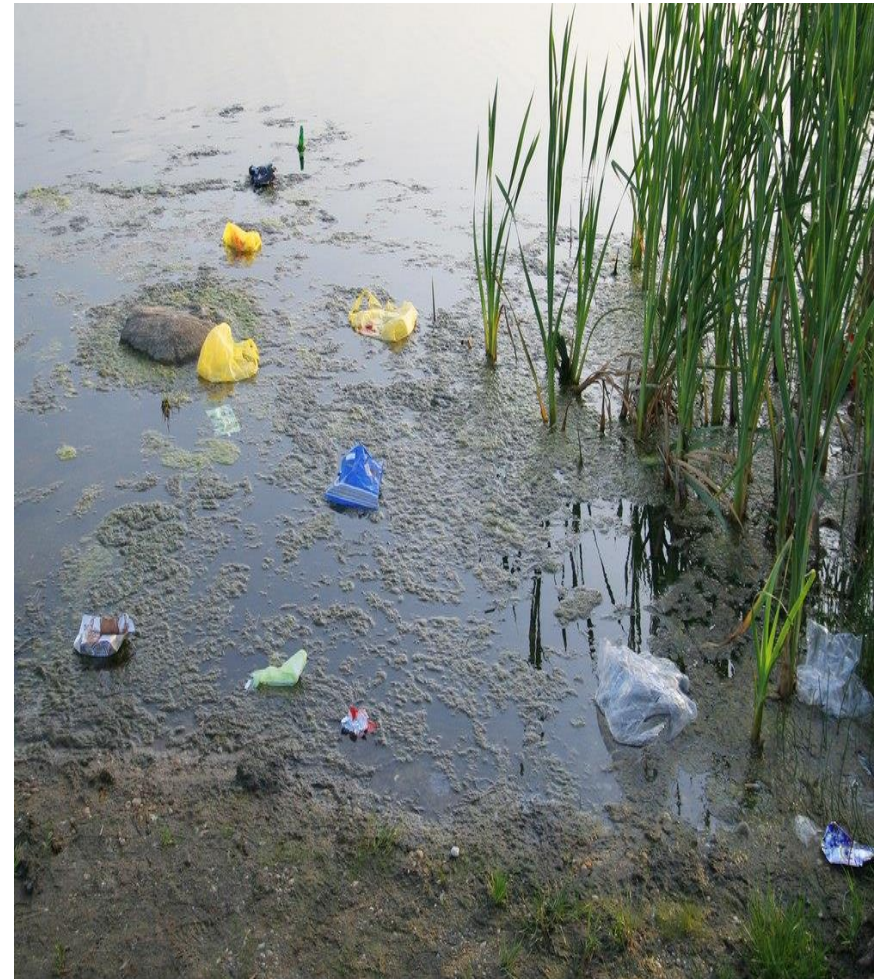
# Occurring impacts

## ***ANTHROPOGENIC IMPACTS***

- Intensive agriculture
- Livestock activities
- Intensive aquaculture
- Abandonment of irrigation and drainage canals
- Landfill and silting,
- Riparian areas abandoned

## ***CLIMATE AND ENVIRONMENTAL CHANGES***

- Coastal erosion
- Salt water intrusion
- Fresh water balance and extreme droughts
- Loss of biodiversity
- Invasive and alien species



# MAIN THREATS

- Absence of a shared, common, long-term integrated governance strategy of the 6 Ramsar Sites
- Very limited capacities in wetland management and lack of adequate management tools
- Lack of financial resources and management capacities at local level
- Competences of wetlands split among different public authorities
- Lack of collaboration among the relevant actors: public and private
- Limited awareness among citizens and economic actors of wetlands value


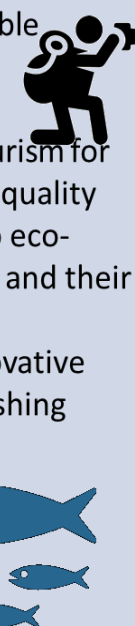
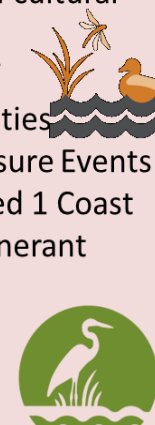


# PROJECT'S MAIN STRATEGIES

- 1** Improving the knowledge of the Oristano Gulf Wetlands
- 2** Establishing an integrated governance of coastal wetlands
- 3** Ensuring connectivity amongst marine and terrestrial parts of the coastal system
- 4** Promoting sustainable water management and more efficient water use
- 5** Managing wetlands to control sources of pollution and other risks
- 6** Improving the conservation status of endangered species and habitats
- 7** Enhancing the cultural and landscape heritage
- 8** Raising awareness on the importance of wetlands and coastal and marine habitats



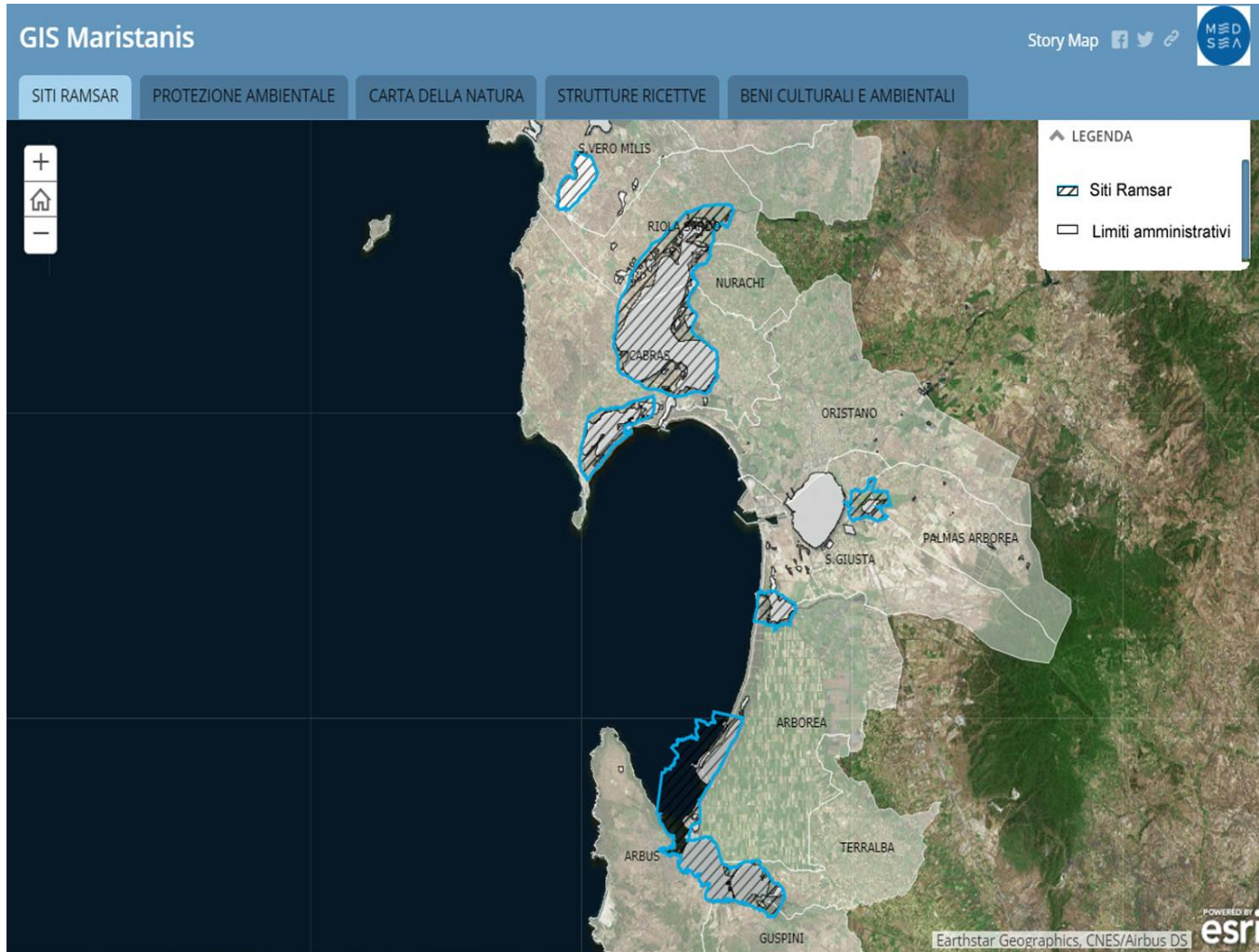
# A COMPREHENSIVE APPROACH

Environment	Economy	Society
<ul style="list-style-type: none"> <li>Updating Ramsar sheets</li> <li>Interactive WebGIS system of the 6 Ramsar sites</li> <li>Restore compromised dune areas</li> <li>Ecological moorings for the protection of the posidonia meadows</li> <li>Pilot measures to reduce impacts of agricultural, livestock and productive aquaculture activities on water resources</li> <li>Containment measures for alien and invasive species</li> <li>Measures for the protection of target species</li> </ul> 	<ul style="list-style-type: none"> <li>Economic evaluation of ecosystem services</li> <li>"Accreditation of Cities in Wetlands" as provided for by the Ramsar Convention</li> <li>Promotion of activities for the development of local chains of sustainable production and consumption</li> <li>Models of eco-tourism for an environmental quality label applicable to eco-tourism operators and their services</li> <li>Promotion of innovative and sustainable fishing practices</li> </ul> 	<ul style="list-style-type: none"> <li>Targeted actions to reduce human impacts (e.g. measures against littering; inappropriate uses of sites, ...)</li> <li>Awareness raising measures and information on the importance of wetlands for citizens, economic operators, etc.</li> <li>Mapping, conservation and enhancement of cultural heritage</li> <li>Revitalization of traditional activities</li> <li>Scientific Disclosure Events</li> <li>1 Wetland Day ed 1 Coast Day per year, itinerant events in the 12 municipalities involved</li> </ul> 



# SOME EXAMPLES

Strategy one: GIS PLATFORM web-gis









# Strategy four: advanced irrigation systems



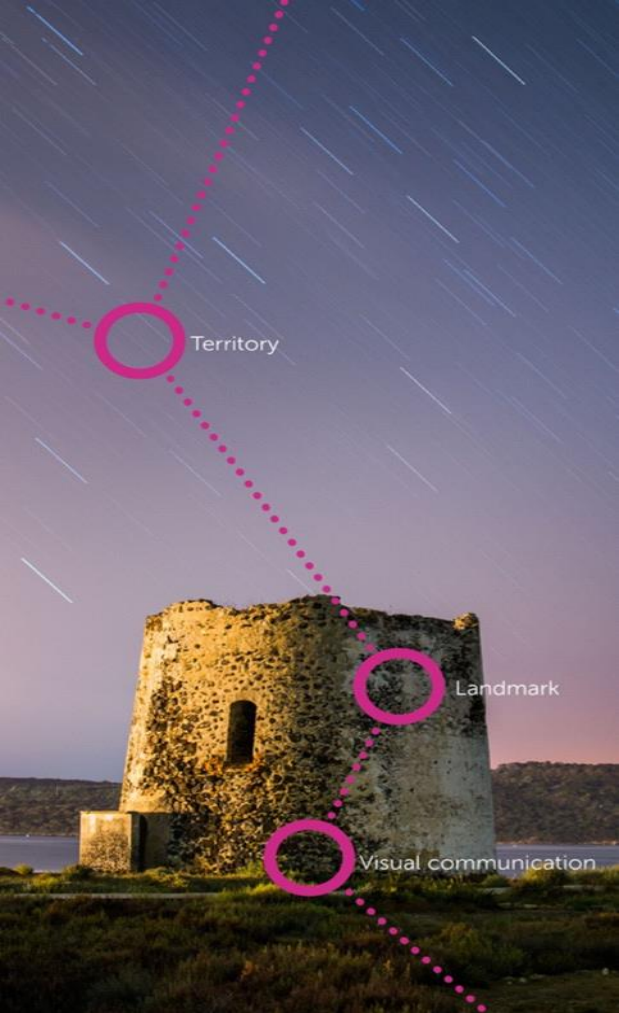
# Strategy five: Geolana geowool sea cleanup



# Strategy six: artificial nesting areas



# Strategy seven: Restoration of the Marceddì Tower and first Ramsar House in Sardinia



# Strategy eight: A thorough and organic communication strategy



**Scientific Workshop**  
**Le Zone Umide alleate dell'uomo nella lotta ai cambiamenti climatici**  
 2 febbraio 2019  
 Terraalba, Museo del Mare di Marceddi

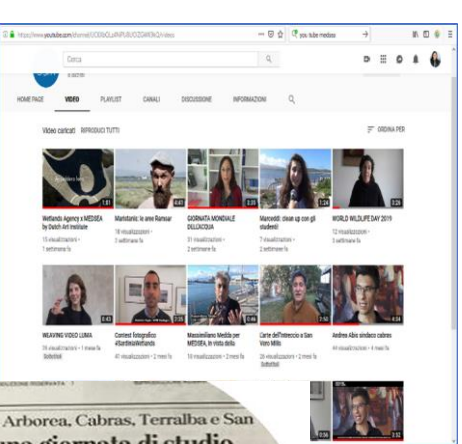
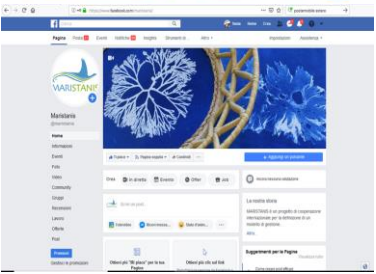
**Le zone umide e i cambiamenti climatici**

**2 febbraio 2019, ore 10:00 - 12:00**  
**ANSA ARREBA**

**Introduzione**  
 Le zone umide sono ecosistemi di grande importanza per la biodiversità e per la regolazione del ciclo idrico e del carbonio. Sono anche alleate dell'uomo nella lotta ai cambiamenti climatici. In questo workshop si parlerà di come le zone umide possono aiutarci a combattere i cambiamenti climatici e come possiamo proteggerle e ripristinarle.

**Il ruolo delle zone umide nella lotta ai cambiamenti climatici**  
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## «Wetlanders» mitigate climate change

