

# Gulbenkian Oceans Initiative

Valuing Portuguese Ecosystem Services – a new  
challenge

Gonçalo Calado

5-year programme focused on the economic valuation of marine ecosystem services

# Gulbenkian Oceans Initiative

## Mission and Vision

*Mi. Perceive marine ecosystem services as strategic assets for sustainable economic development and for human wellbeing*

*Vi. Work towards protection, conservation and good management of the oceans and of marine ecosystems*

# Gulbenkian Oceans Initiative

## Marine ecosystem services

Gorringe Bank – an illustrative example  
*(Kelp forest)*



Ecosystem services rendered:

- Biodiversity/biomass aggregator and producer
- Oxygen production / Carbon sequestration

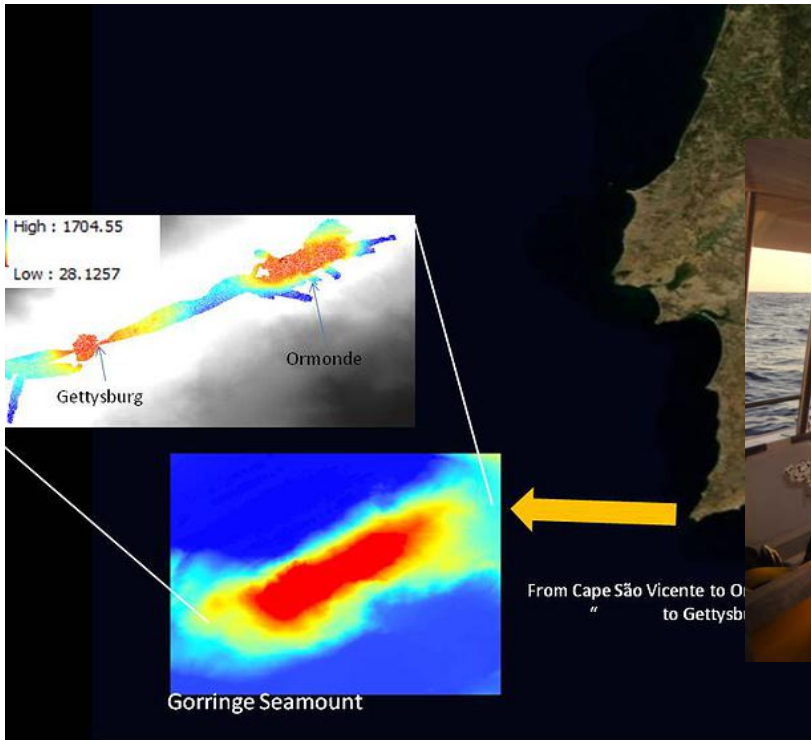
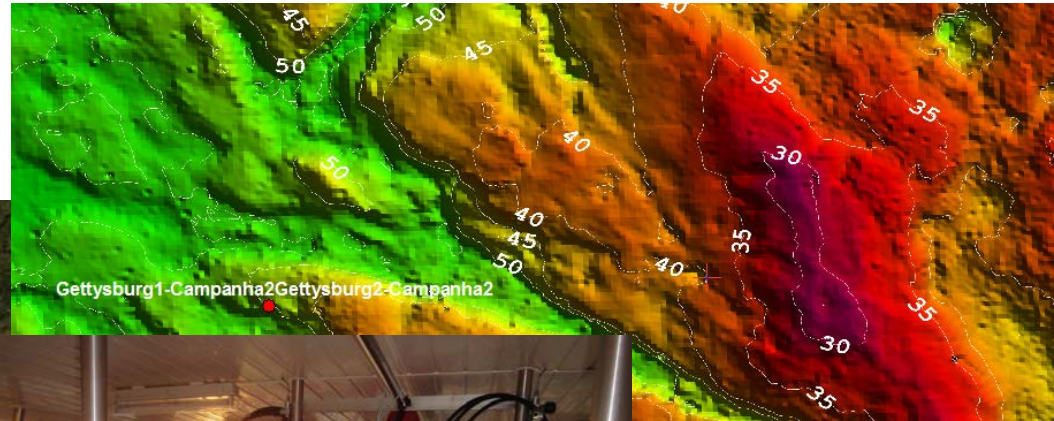
Important to:

- Fisheries
- Underwater tourism
- Climate regulation
- Bioprospecting industry
- Water quality monitoring

# Gulbenkian Oceans Initiative

## Marine ecosystem services

### Gorringe Bank



# Gulbenkian Oceans Initiative

## Project Strategy

### Action Plan

Research

Public perception

Political action

**ECONOMIC VALUATION**  
of marine ecosystem services

**GENERAL KNOWLEDGE**  
of marine ecosystem services

**Integrate the knowledge** of the  
economic value of marine  
ecosystem services into **decision-**  
**making processes**

# Gulbenkian Oceans Initiative

## Action Plan - Main outcomes

### Research

Enhance the role of scientific knowledge in decision-making related to marine ecosystems

Change the way how maritime businesses use MES

Build a direct connection with local and national authorities to implement specific measures derived from scientific results

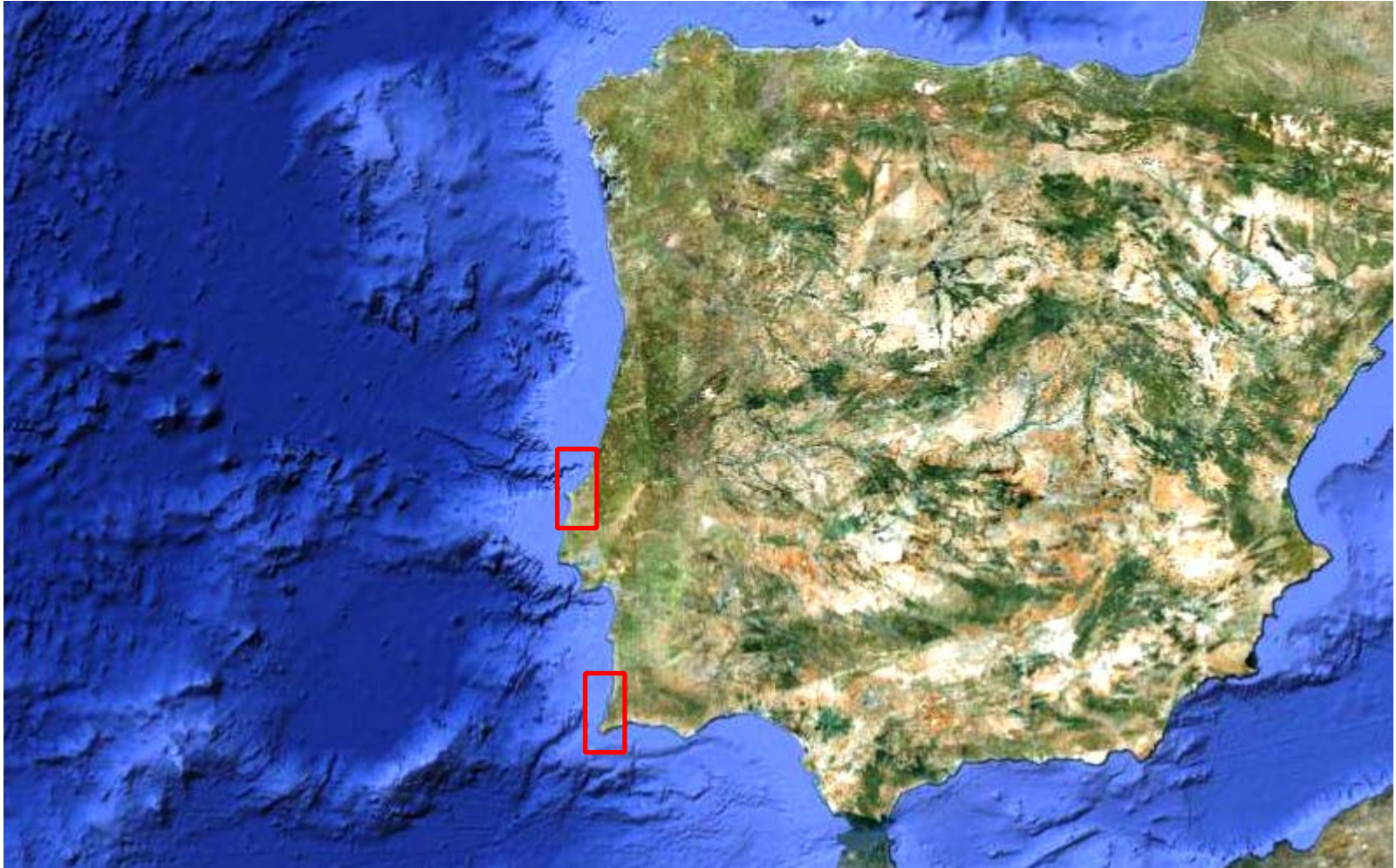
Increase the existence of sound ecological and economic data on MES

Understand the scale of the socio-economic system being influenced by ecosystem services

Understand the direct and indirect links between MES and differentiated economic indicators

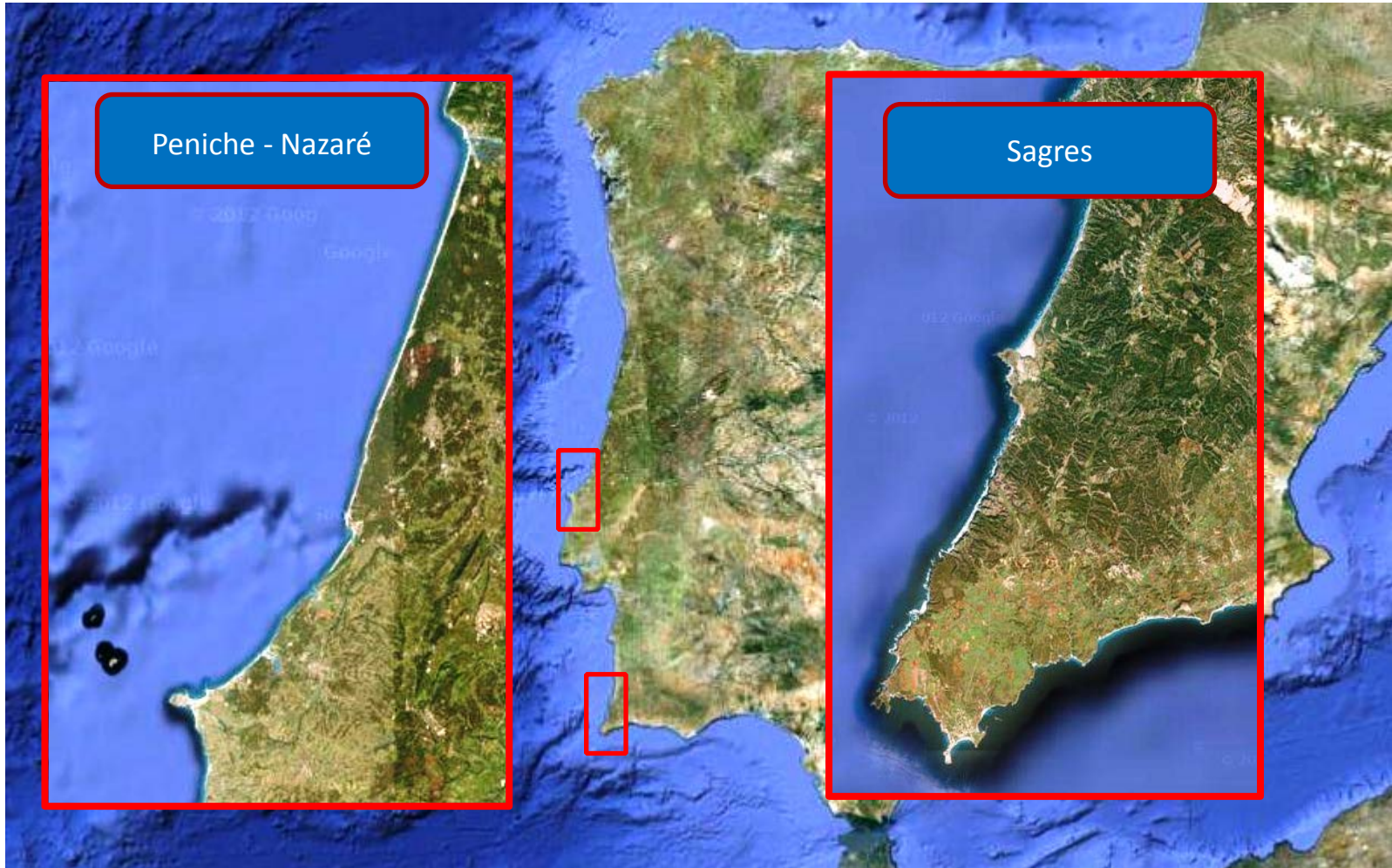
# Gulbenkian Oceans Initiative

## Research – Study site



# Gulbenkian Oceans Initiative

## Research – Study site





# Gulbenkian Oceans Initiative

## Research – Study site



# Gulbenkian Oceans Initiative Action Plan

