

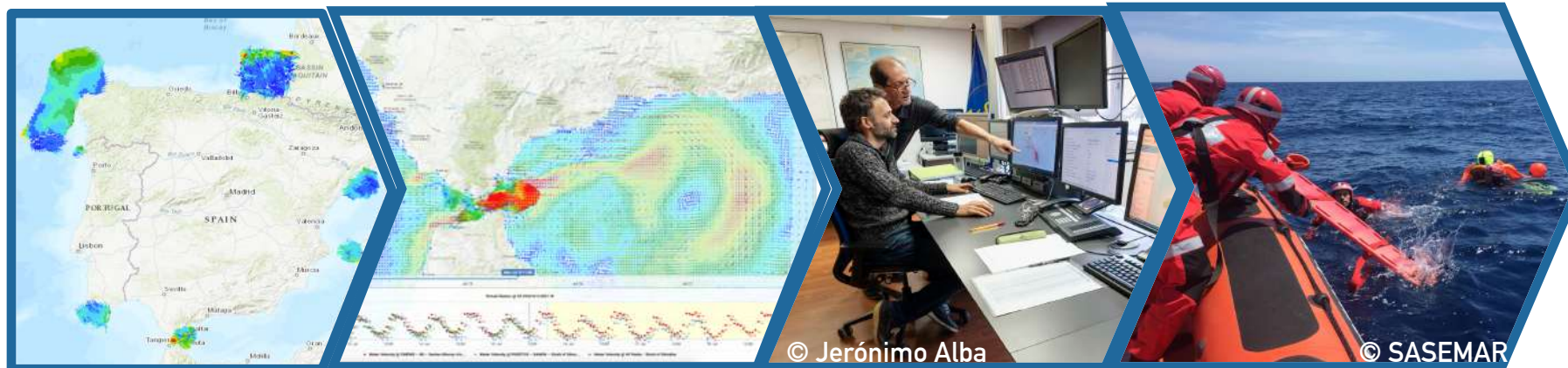
OCEAN AND ENVIRONMENTAL TECHNOLOGIES AND SERVICES

Part 1 : Ocean Focus

Wednesday 20 October
9:00 AM to 01:15 PM



IBISAR service: Supporting operations and emergency response at sea



Emma Reyes Reyes (Head of HF radar Facility, SOCIB)



Impact of the major disasters

**Prestige oil tanker oil spill
(Spain, NOV 2002)**



1.6 bln. €

**Offshore oil rig Deepwater Horizon
(Gulf of Mexico, APR- 2010)**



US\$ 18.7 bln.

▲ Photo: by U.S. Coast Guard via Getty Images

◀ Photo: by [Miguel Riopa](#) / AFP

Increase society awareness



Op. Oceanography starts in Spain



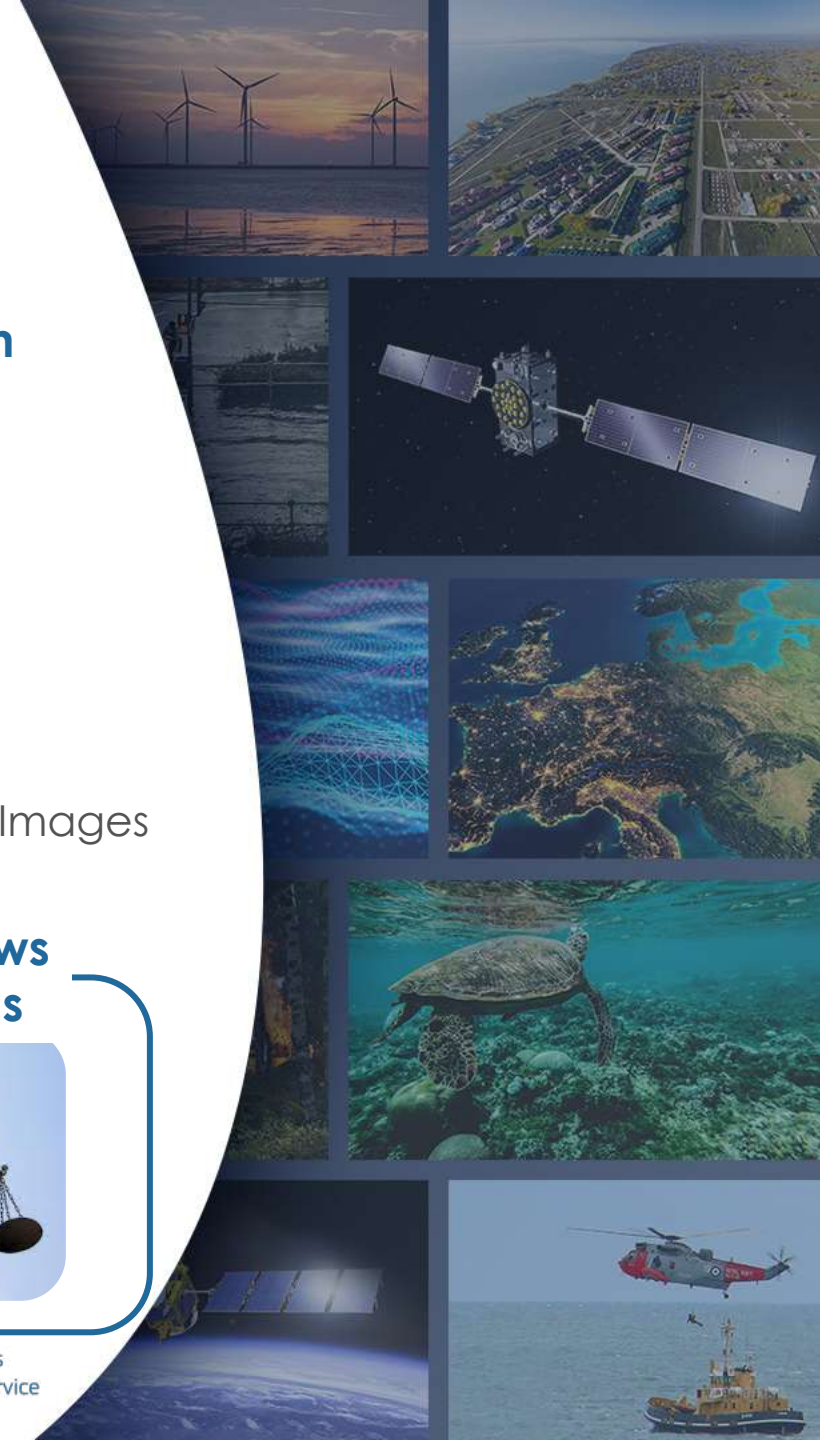
24

4 M €

partners

budget

Change in Laws & Regulations



IBISAR: market and users

Markets:



COASTAL
MONITORING



SAFETY
& DISASTER

Geographical areas:



IBERIAN-BISCAY
-IRISH
REGIONAL SEAS



IBISAR

- Why?
- What?
- How?
- Benefit?

End users need **reliable** ocean current predictions

View, compare & assess model skill

Guide users to select the **most accurate** ocean forecast

Facilitate **decision-making** at sea

End users targeted:

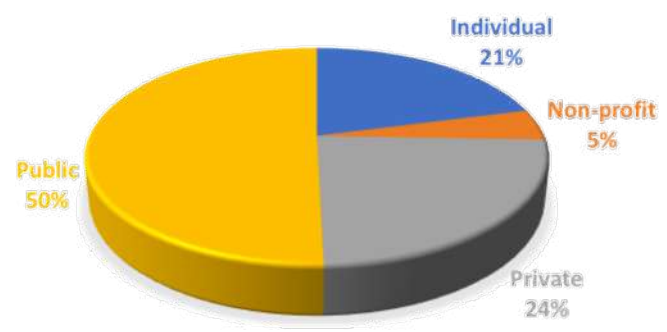
SAR operators

Maritime traffic

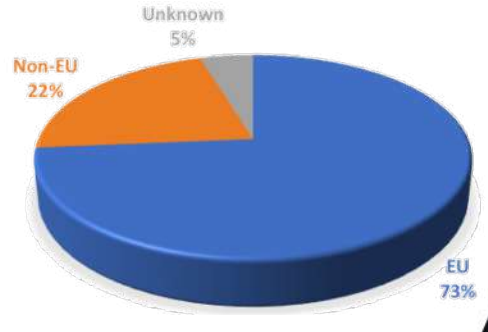
Modellers

Emergency responders

Organization Type



Organization Country



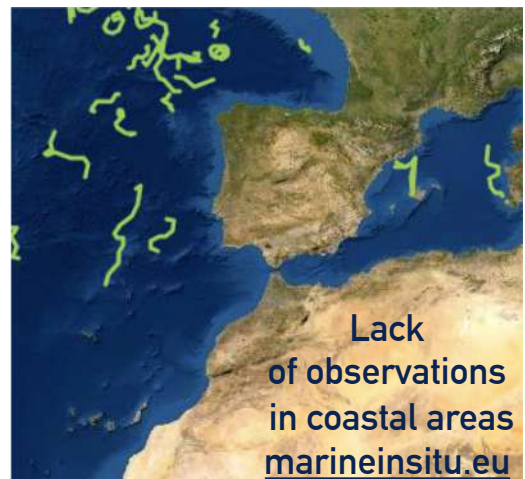
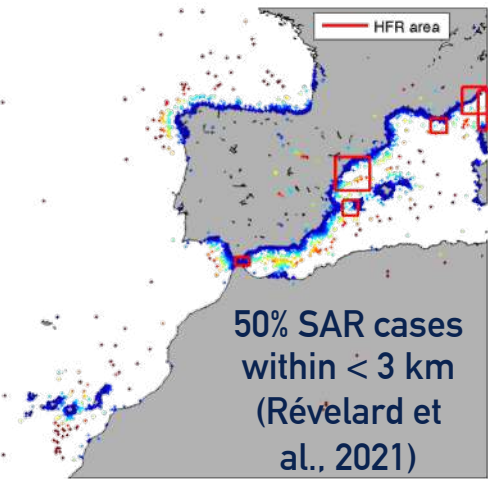
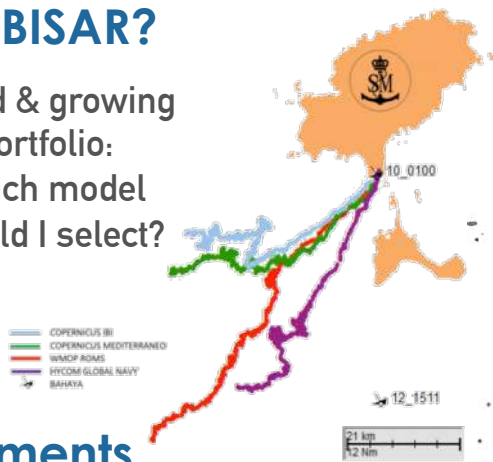
Condition of use and accessibility: **freely accessible** under registration on www.ibisar.es



IBISAR: elements & methodology

Why IBISAR?

Broad & growing portfolio:
Which model should I select?



3 elements

Catalogue

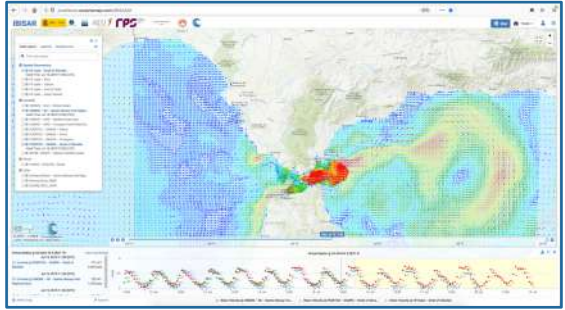
In-Situ

- Drifters [IBI]
- 6 HF radars

8 Models

- Surface current forecast

Visualization & Comparison



Skill Assessment



3 steps



IBISAR: Public-private partnership

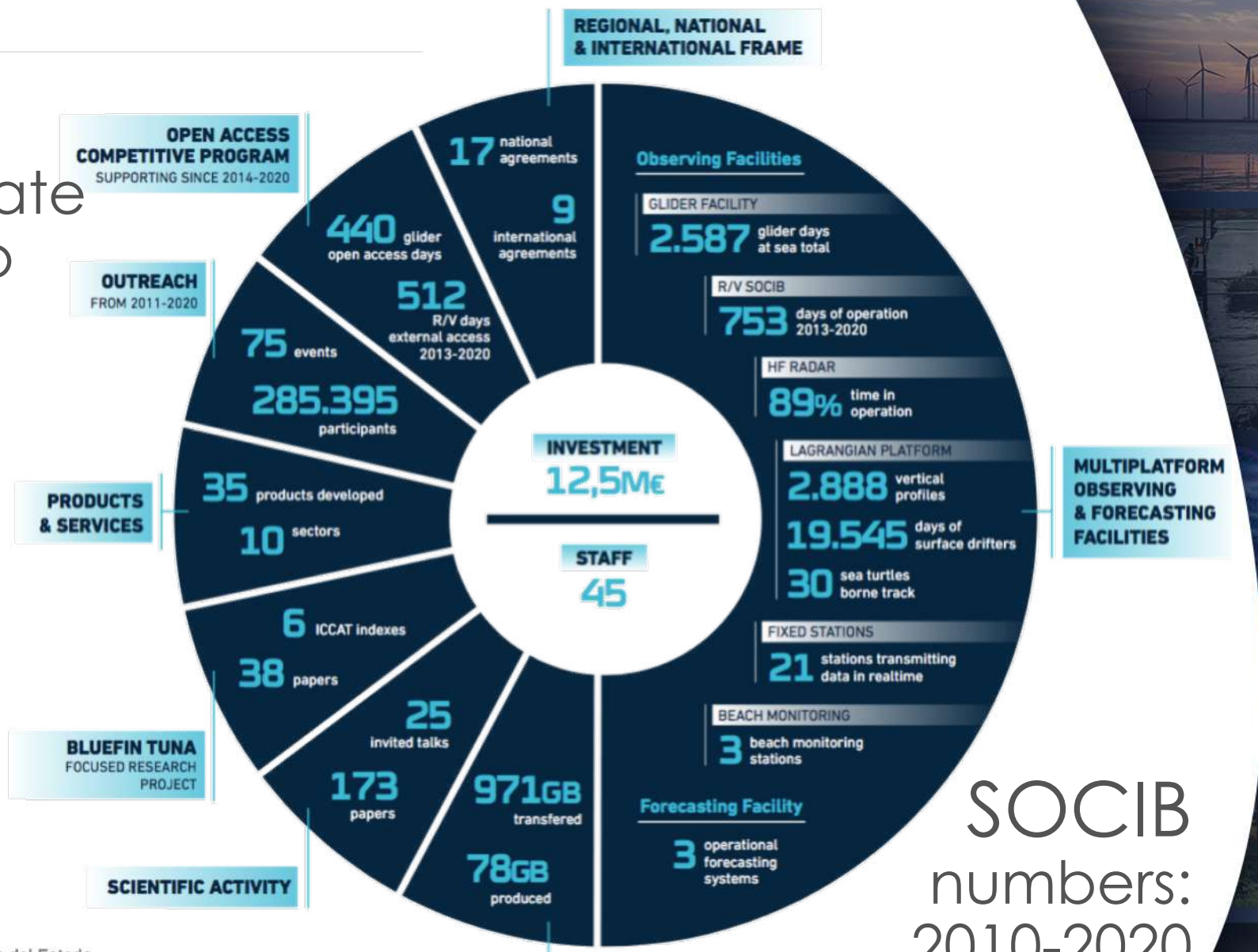
Coordinator:
SOCIB Balearic Islands
Coastal Observing
and Forecasting
System

Co-contractors:
RPS **AZTI**
MEMBER OF
BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

Collaborators:



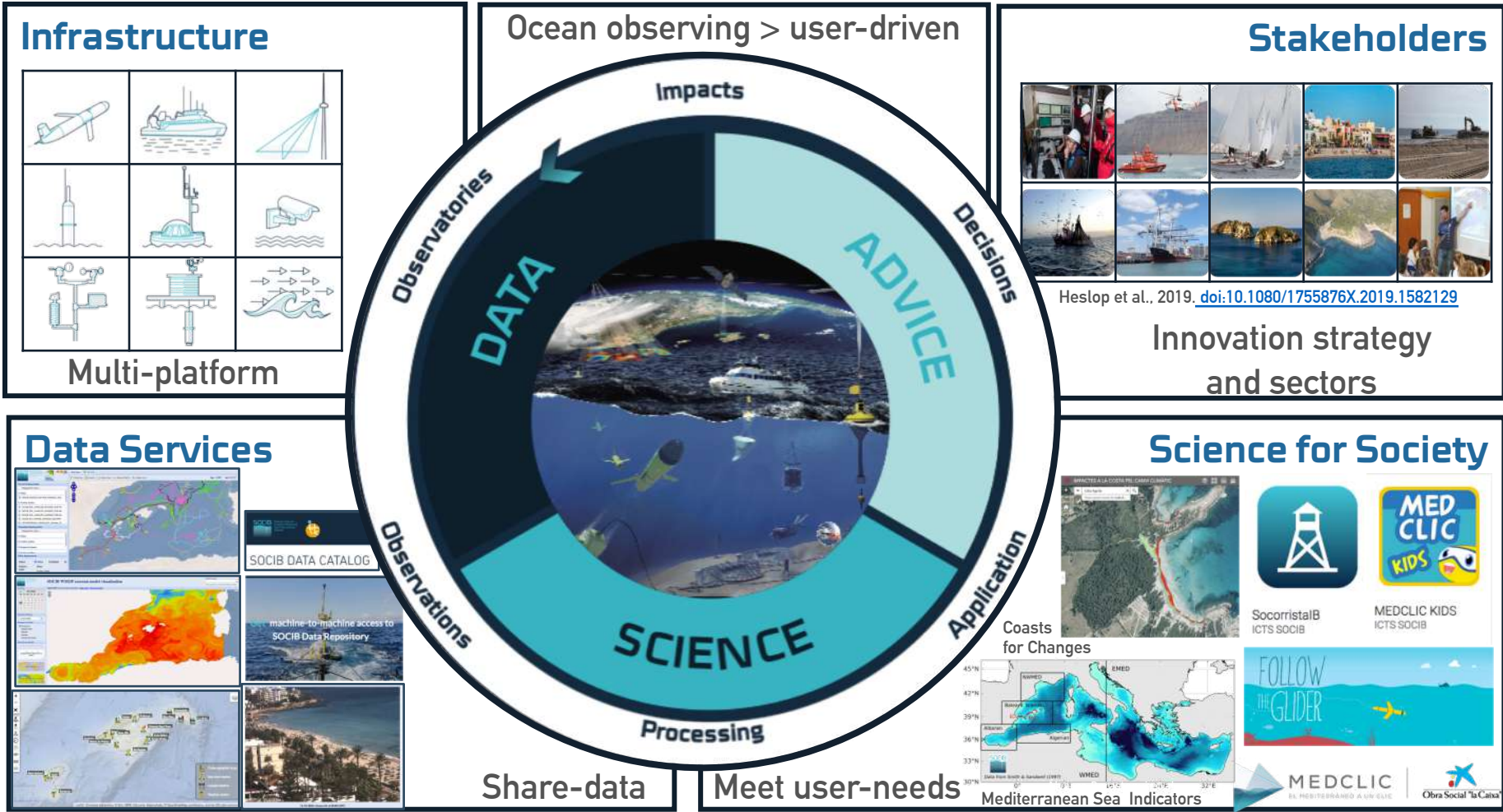
 Puertos del Estado



SOCIB
numbers:
2010-2020



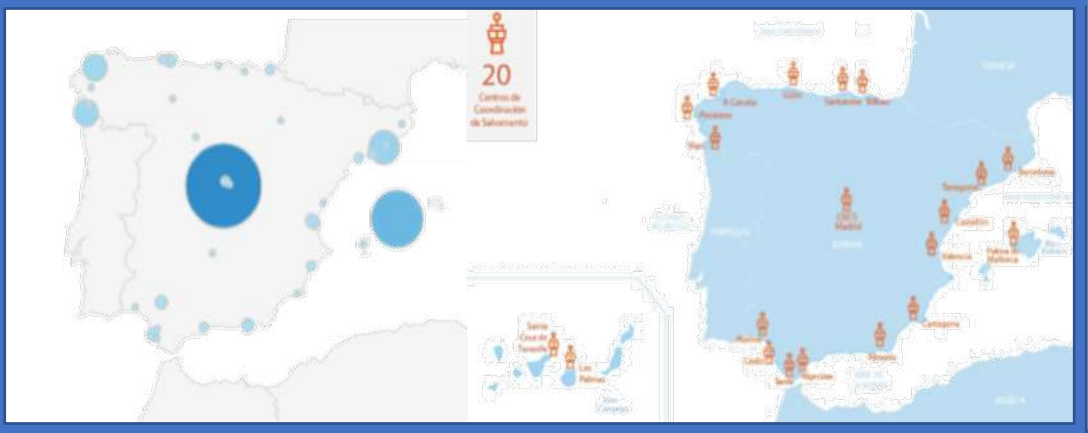
SOCIB: Operational monitoring, data and services for ocean health and climate



Users' metrics

Global interest

- in skill assessment
- in reliable data



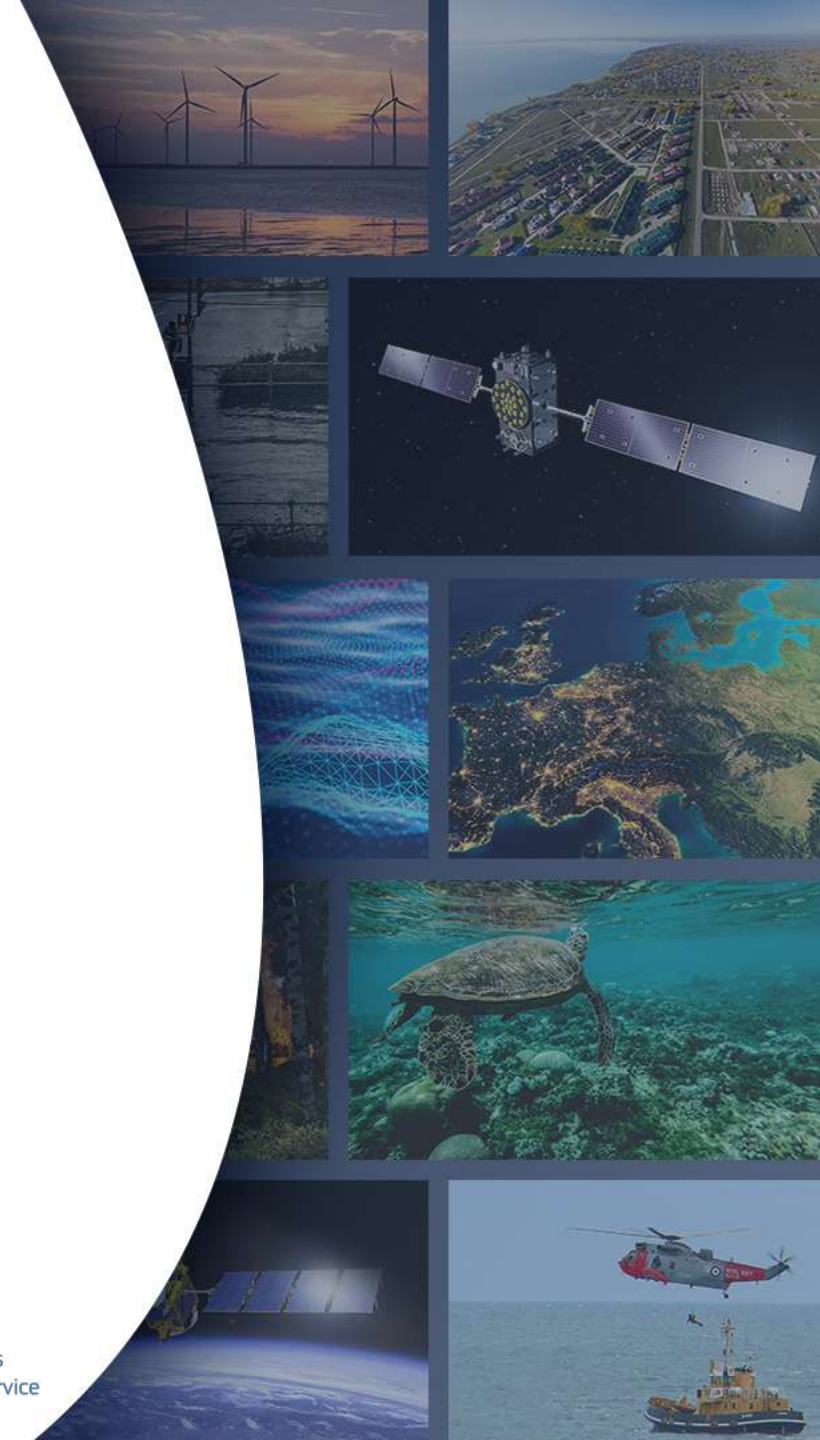
SASEMAR:

- IBISAR's key user in Spain



Benefits for our end users

-  Regularly **updated catalogue**
-  **Easy** interpretable **metrics**
-  **Single** access **point**
-  Minimize **response time**
-  Allocate **resources** effectively
-  Optimize **search area** planning
-  Support **preparation** of response at sea

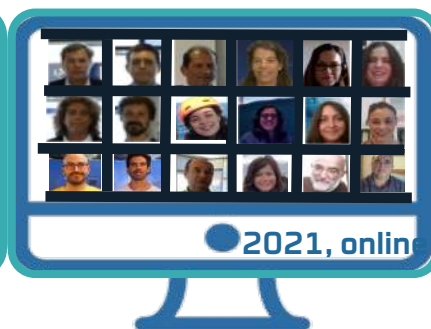
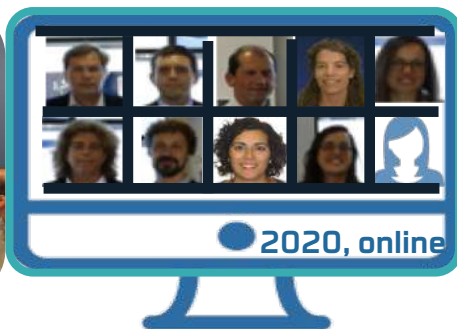


End-user engagement

Participation in **training activities** with SASEMAR



Celebration of **annual meetings** with SASEMAR



SOCIB **Outreach activities**: general public



Open Days



Science fairs



Exhibitions



Educational materials



SOCIB's strategy 2021-24

3

DRIVERS

6

OBJECTIVES

24

STRATEGIES

112

OUTCOMES

157

INDICATORS

Our

VISION

- To become a **strategic marine infrastructure** in the field of marine **R&D&I**, nationally and internationally recognized in the **observation** of the **Mediterranean Sea and the global ocean**

Future

INVESTMENTS

- To **renew, enhance and extend** SOCIB's **technical capabilities** to keep ensuring the highest level of **scientific excellence** with **impact on society**.

Contacts

SOCIB & IBISAR



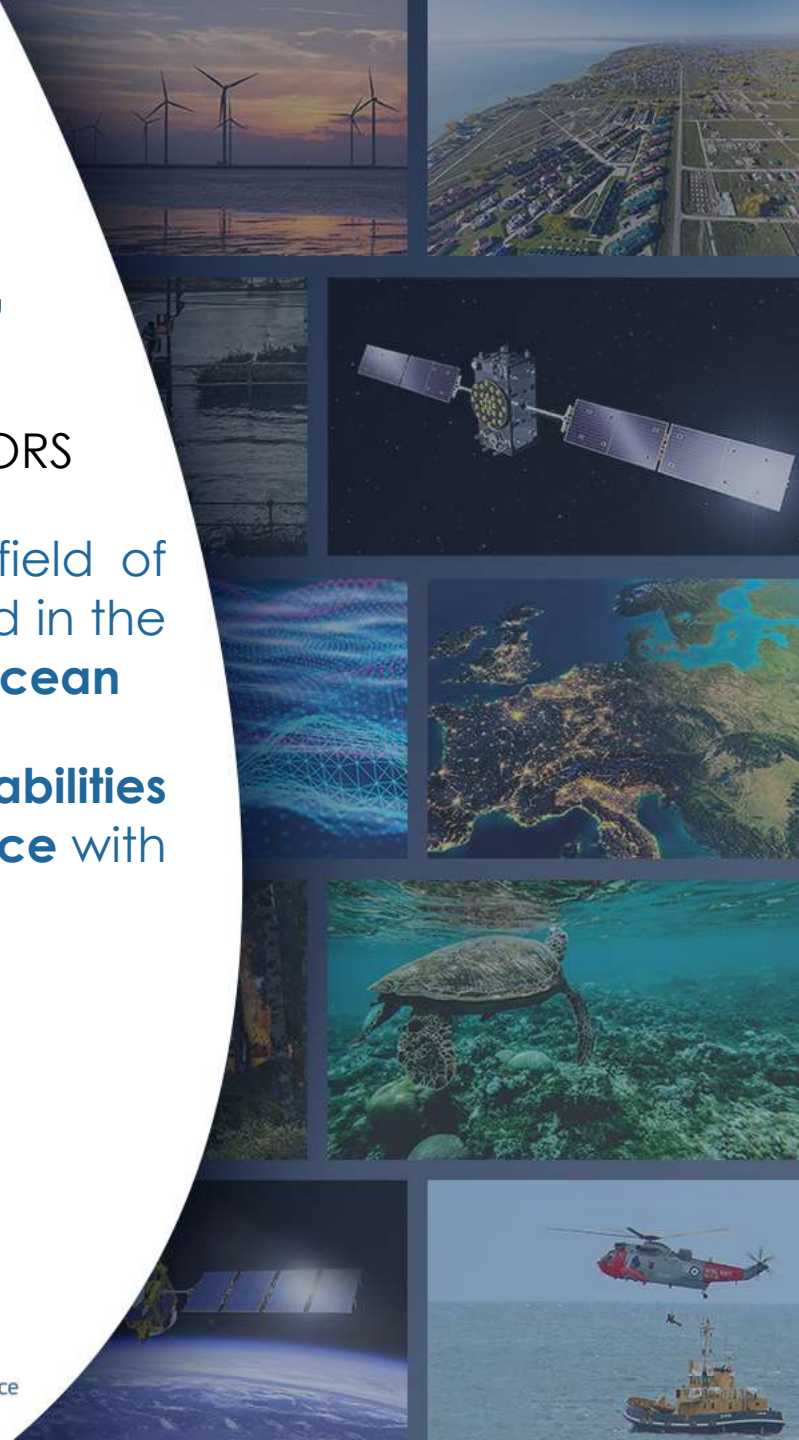
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Thank you very much
for your attention

