



Tourism

Tina Silovic, Mercator Ocean International


03 October 2022



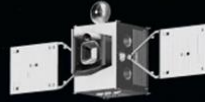
Copernicus Program - Copernicus Marine Service










EU
SPACE
WEEK
2022

 Copernicus
Marine Service

FULL, FREE AND OPEN
ACCESS TO DATA



-  ATMOSPHERE MONITORING
-  MARINE ENVIRONMENT MONITORING
-  LAND MONITORING
-  CLIMATE CHANGE
-  EMERGENCY MANAGEMENT
-  SECURITY

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Copernicus Marine Service

Providing free and open marine data and services to enable marine policy implementation, support Blue growth and scientific innovation.

[Access Data](#) >

DATA

OCEAN PRODUCTS

A robust ocean data catalogue, to download or visualise data including hindcasts, nowcasts and forecasts.

EXPERTISE

OCEAN STATE REPORT

Extensive annual analysis on the state of the ocean over nearly 20 years and severe/notable annual events.

TRENDS

OCEAN MONITORING INDICATORS

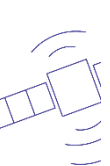
Essential variables monitoring the health of the ocean over the past quarter of a century.

EXPLORATION

OCEAN VISUALISATION

Dive into our 4D digital oceans through our 3 visualisation tools for beginner, intermediate and advanced users

Ocean Explainers: Oceanography Educational webpages



- Why is the ocean important?
- What is operational oceanography?
- How is the ocean monitored?
- What is ocean acidification?
- What are the current policies that help safeguard the ocean?

Find the answers to these and more questions in this section

[Learn more](#)

[Online Catalogue](#)

[More than 300 scientifically qualified products](#)

[User-driven](#)

[Common format *Netcdf*](#)

[Spatial resolution from 25 km to 100 m](#)

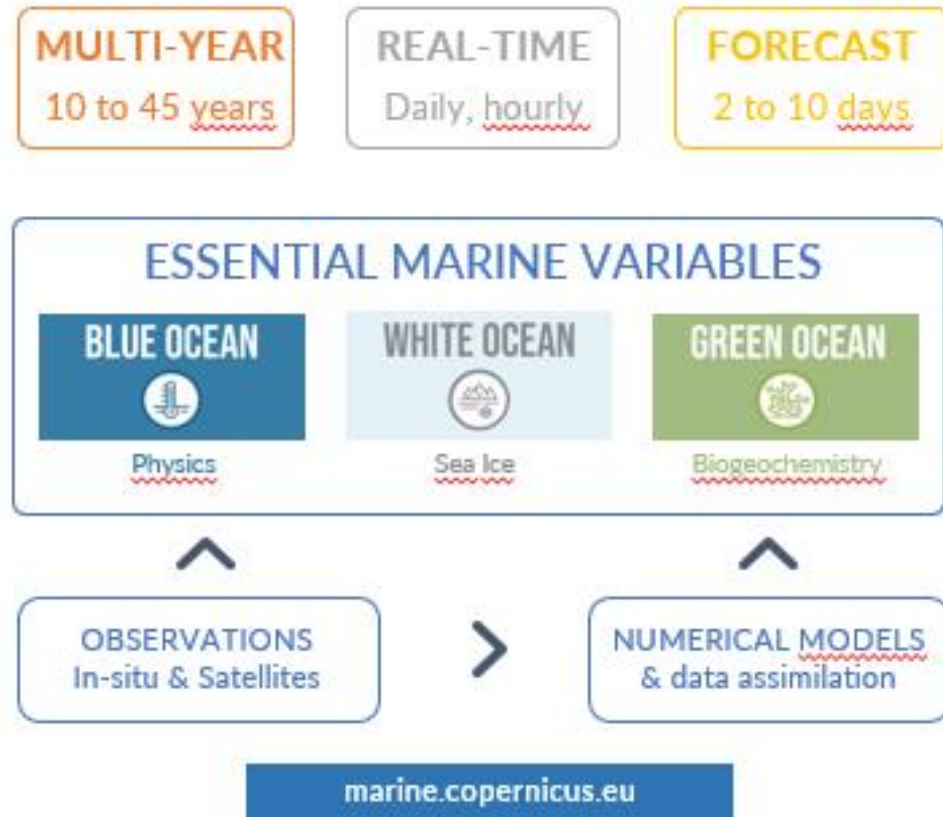
[Temporal resolution from monthly to 15 min](#)

[Open & Free](#)

Copernicus Marine Service - Global & Regional Monitoring and Forecasting

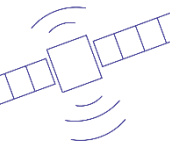


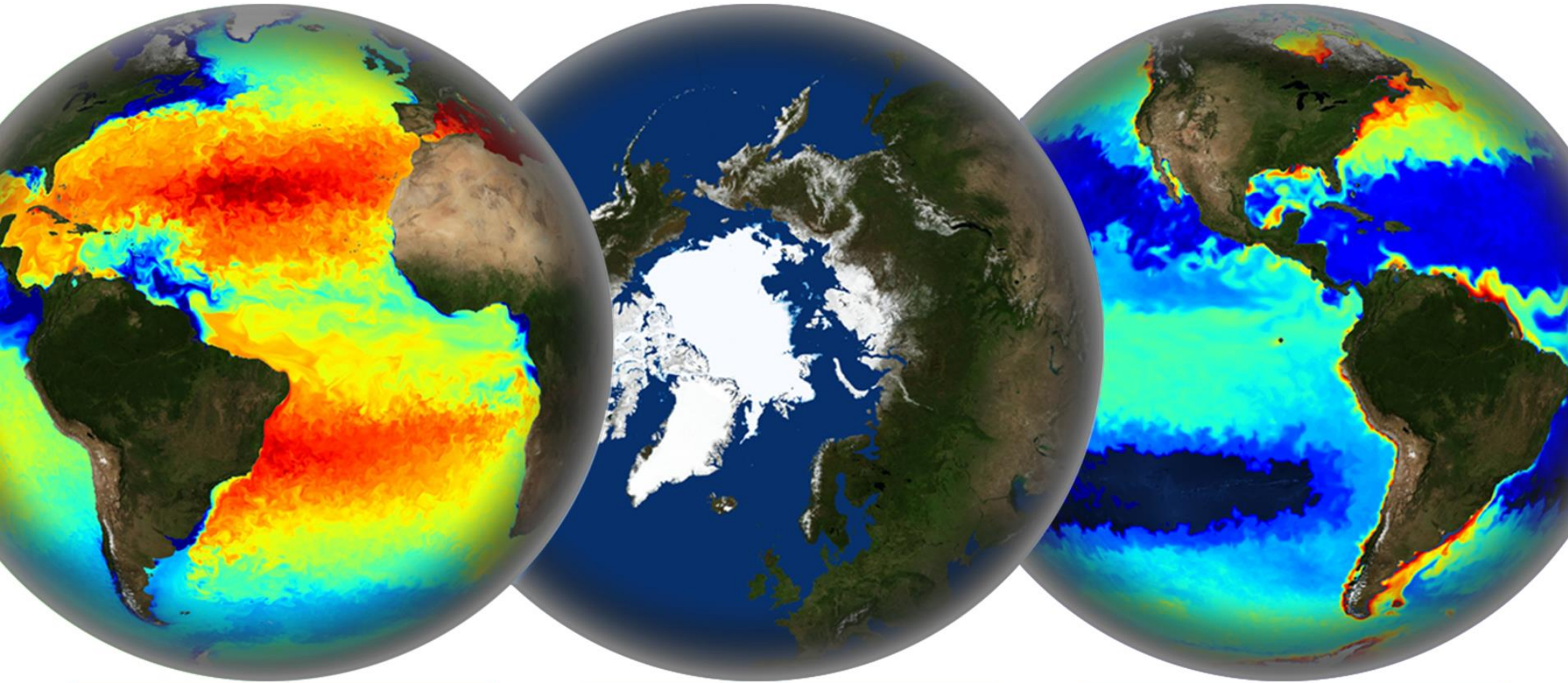
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COPERNICUS MARINE REGIONAL OCEAN PRODUCT DIVISIONS

- 1 Global Ocean
- 2 Arctic Ocean
- 3 Baltic Sea
- 4 European North West Shelf Seas
- 5 Iberian Biscay Ireland Seas
- 6 Mediterranean Sea
- 7 Black Sea





BLUE OCEAN

Currents, temperature,
waves, sea level, ...



WHITE OCEAN

Ice coverage, velocity,
concentration, Icebergs ...



GREEN OCEAN

CO₂, nutrients, oxygen,
primary production, ...

Copernicus Marine Service – What is there for you?



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COPERNICUS MARINE SERVICE DATA

Sea currents

Wave height

Temperature

Salinity

Numerical
models

INTERMEDIATE USE

Ocean
physical
conditions
Drift Analysis
and forecast
models

END USE

Planning of oil
spill mitigation
operations

Understanding
the mechanisms
that spread
plastics

Sampling and
controls

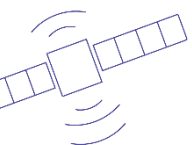
Dispersion
forecasts
for harmful
substances

BENEFITS & IMPACTS

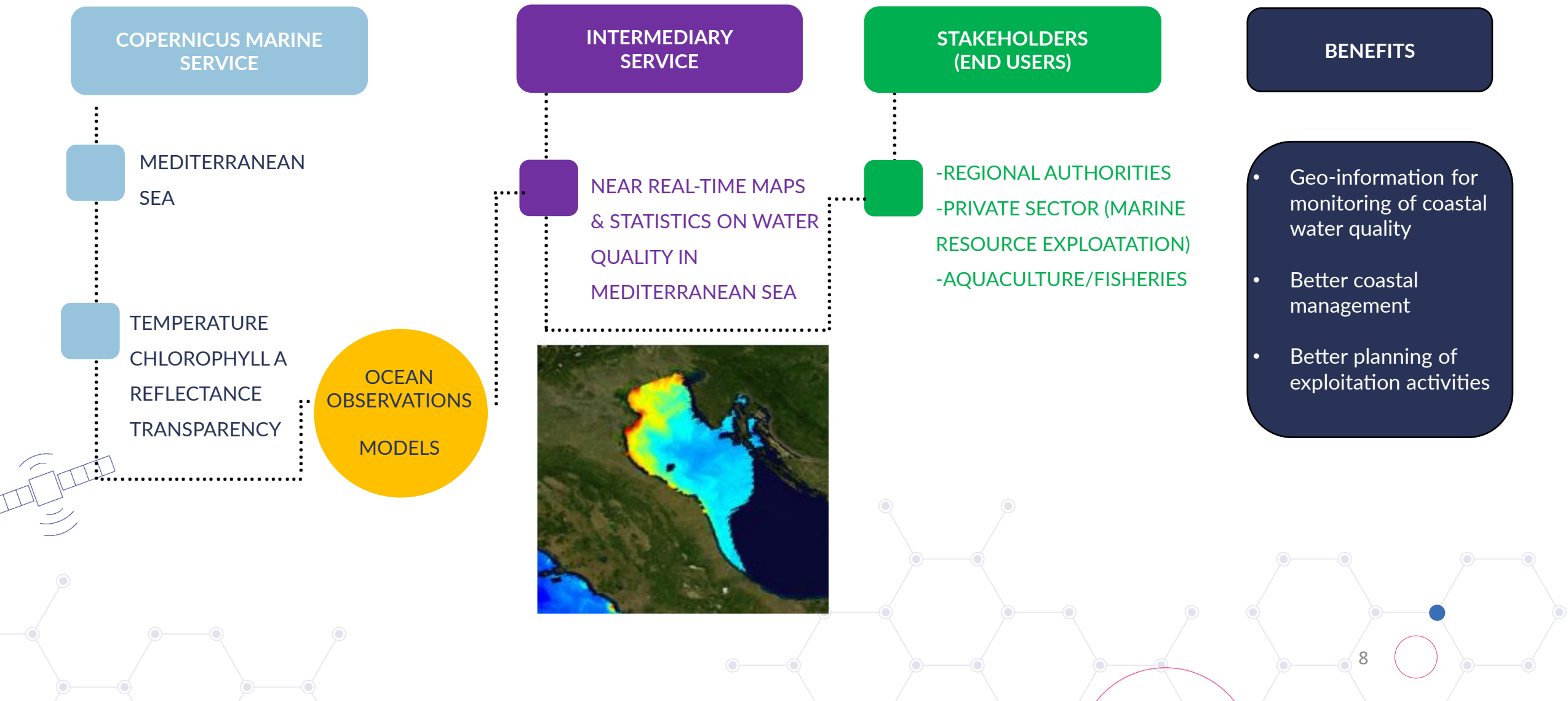
Reduction
of environmental
damages

Reduction
of economical
damages

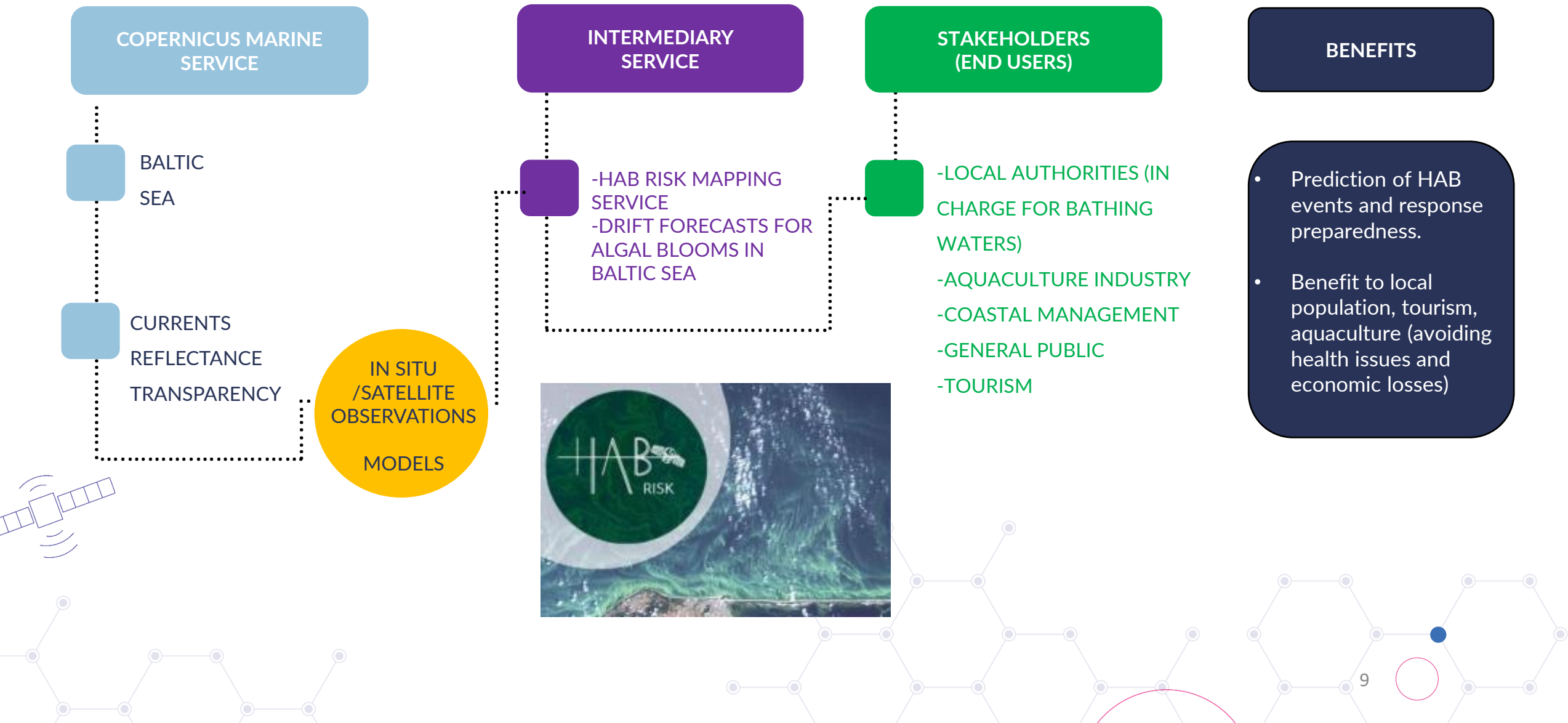
Better
understanding of
pollution threats



Use Case: Copernicus Marine for Ocean Health



Use Case: Copernicus Marine for Ocean Health



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