Copernicus space program The marine service









Marine Monitoring







Seas, Rivers, Islands **Coastal Areas**



1. A European Green Deal An economy that works for peopl A Europe fit for the digital age Protecting our European way of life A stronger Europe in the world A new push for European democracy 6.

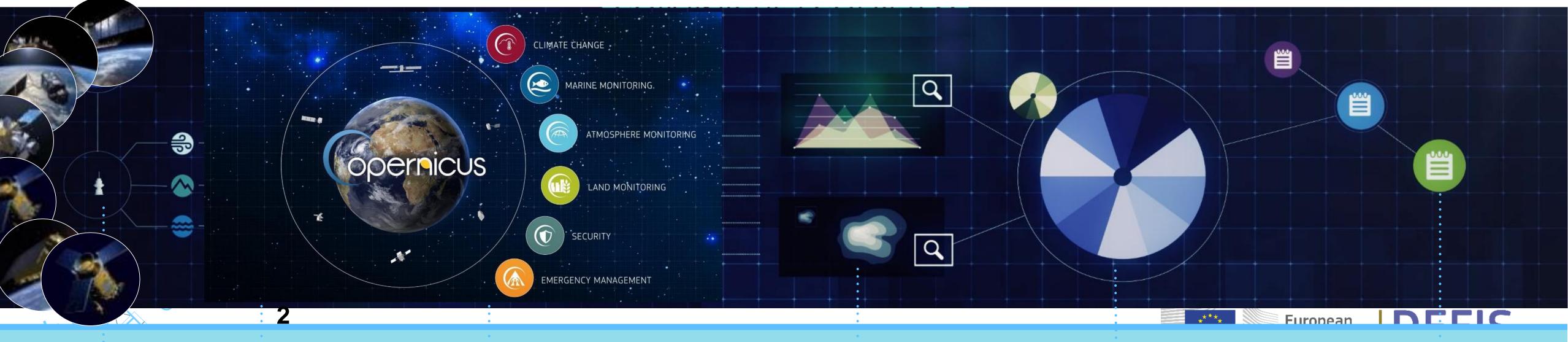


5.

EU SPACE PROGRAMME

n Situ

SENTINELS & CONTRIBUTING MISSIONS



IN SITU SENSORS DATA SERVICES





FROM GLOBAL EARTH OBSERVATION TO LOCAL INFORMATION AND DECISION-MAKING

INFORMATION

TAILORED PROCESSES

PRODUCTS





Ocean information is a public good

Which kind of information?

Datatype : Multi-product

OBSERVATION ³ FORECASTS CLIMATE RECORDS

OCEAN MONITORING INDICATORS

Mediterranean Sea Heat Content (0-700m)

1993-2017 trend

 $\bigcirc 0.8 \pm 0.1 W/m^2$

edit : E.U. Copernicus Marine Service Informati

For whom?

OCEAN STATE REPORT

Con and



OCEAN STATE REPORTS

SEA BASINS



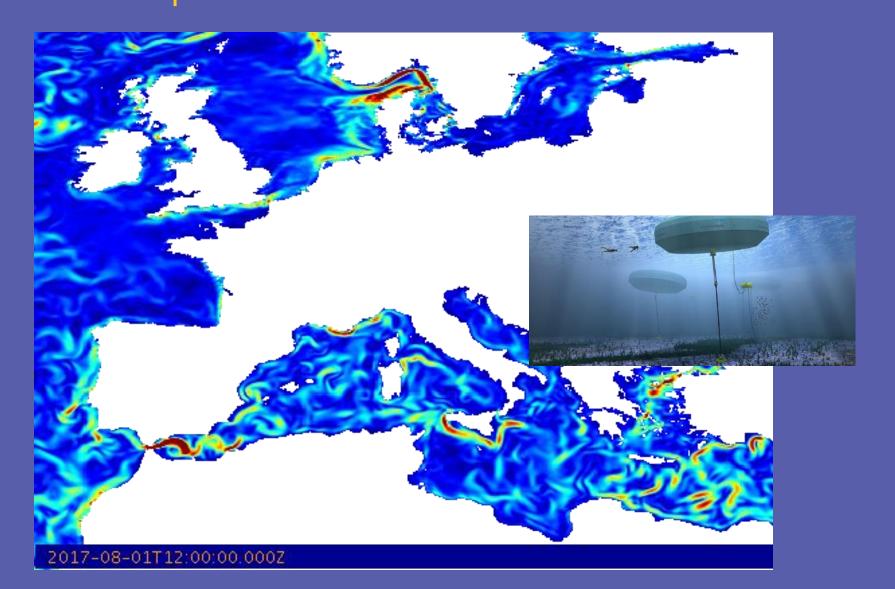
SECTORS



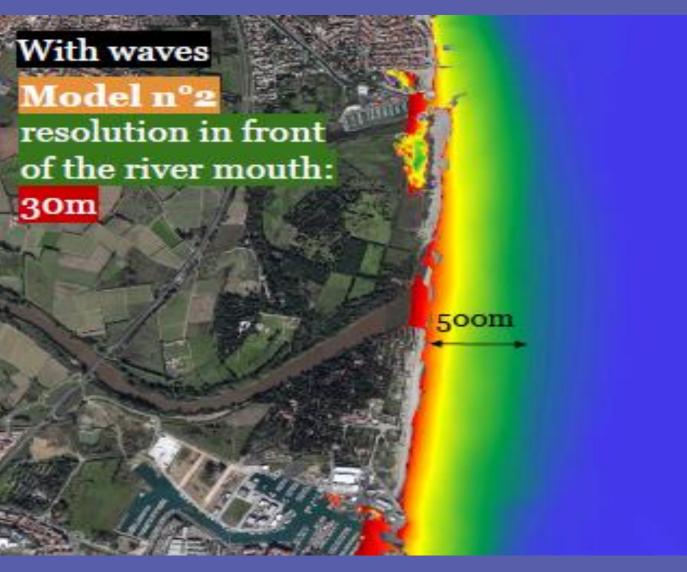


Maritime efficiency : transport saving fuel / shipping company





Ocean energy: wave/ tidal 4 currents/ salinity/ cold sea water

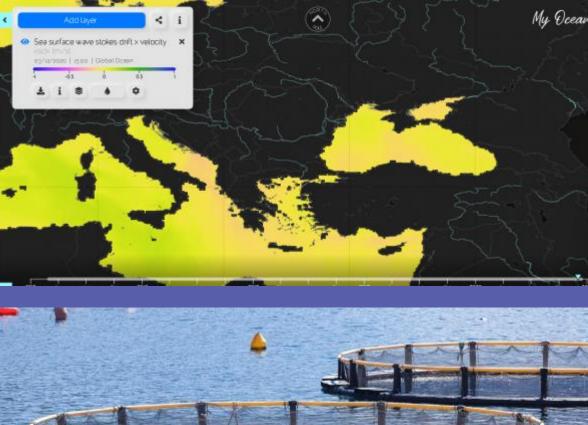


Pollution - The Sargassum service

Flood prevention in coastal area



Citizen app – Plastics drifts





Aquaculture siting





Green (Biogeoche mistry)

> **Observation and forecasts** Projections

AVAILABLE TO ALL – FREE - OPEN





