

living planet symposium

BONN
23–27 May
2022

Agora GEMINI
Atlantic Regional Initiative

TAKING THE PULSE
OF OUR PLANET FROM SPACE



Atlantic Cities, smart sustainable and secure ports and protecting the ocean

ATLANTIC
CITIES, PORTS &
PROTECTING THE OCEAN

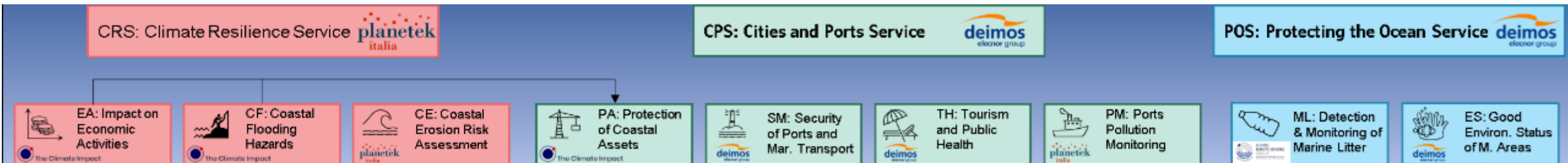


David Petit

23/05/2022

Goals of Atlantic cities

- ❑ To embed EO-derived information into pre-operational regional monitoring, assessment and planning activities, covering 3 domains
- ❑ To strengthen relationships with stakeholders in Atlantic region, and engage with new actors

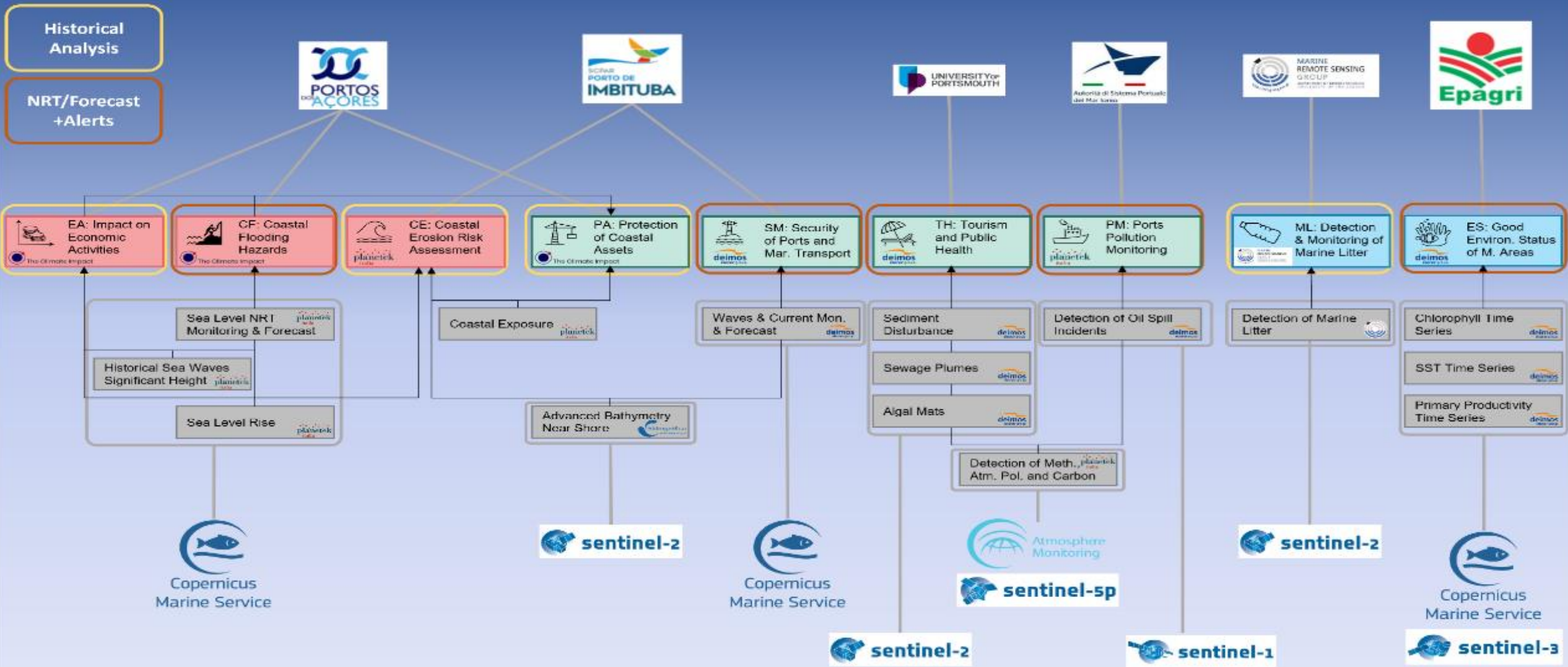


- ❑ Funded by the ESA Atlantic Regional Initiative within Future - Science for Society ESA programmatic line, under the reference AO/1-10030/20/I-DT.
- ❑ Started in August 2020 and is expected to be concluded in November 2022

Service portfolio and users

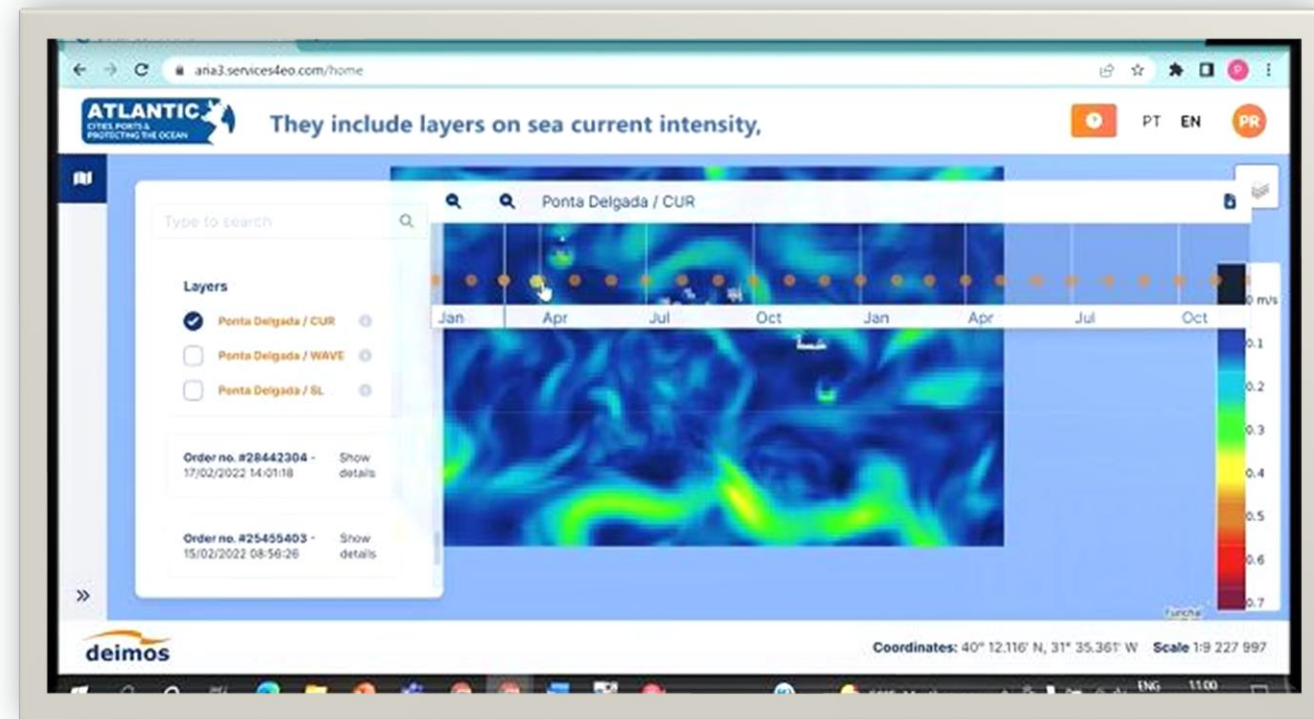
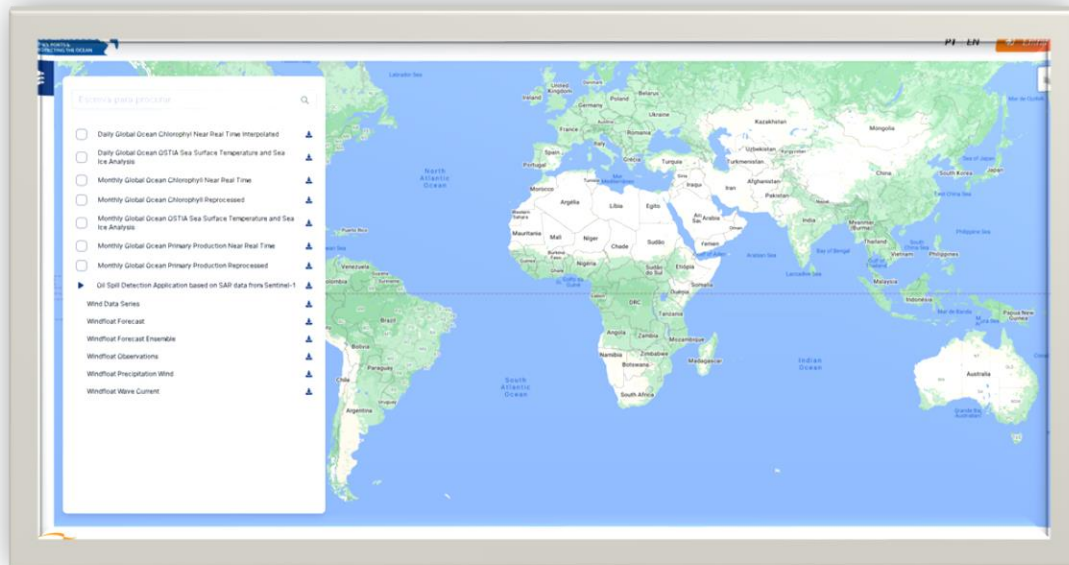


ARIA3 EO-based Services, Users & EO data



Curent status of the project

- ❑ 8 workshops with different stakeholders
- ❑ 106 user requirements collected and selected
- ❑ Developed into a unique web platform
- ❑ Evaluated within 6 pilots
- ❑ Demonstrations in progress until September 2022



Marine litter aggregation



7 m ø HDPE mesh target

7 m ø various marine litter target



Waste water in coastal areas



- Continue (so much more to be done) and engage further
- New pilots
 - New cities around the Atlantic: Africa, islands (more at risk, people leaving)...
- New services and applications
 - Monitoring environmental impact of brine from desalination plants
 - Monitoring more critical infrastructure (bridges, airport, urban...)
 - Monitoring archaeological and cultural heritage
 - Monitoring fishing activities, a topic on its own?
- New stakeholders
 - Coastal water desalination power plants
 - Coastal cities infrastructure management, real estates
 - Urban Heritage Climate Observatory