



IMPRESSIVE: TACKLING THE CHALLENGES IN THE EU HARBOURS

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Current challenges in EU harbours

- Chronic oil pollution – accidental pollution (oil spill and deliberate/illegal “operational” discharges of oily waste from vessels (e.g., oily bilge water, dirty ballast water, and oily tank washings);
- Wastewater discharges (due to urban tourist growth, the lack of funds and resources for the proper management and treatment of wastewater or simple ignorance of the procedures)

➔ The need for better information;

➔ The limitations of the traditional techniques



The IMPRESSIVE solution



The IMPRESSIVE (“Integrated Marine Pollution Risk assessment and Emergency management Support Service In ports and coastal enVironmEnts”) proposal has been designed and developed to answer efficiently all challenges and scopes of the H2020-DT-SPACE-1-EO-2018 Topic: Downstream Applications of the H2020-DT-SPACE-1-EO-2018

The consortium



12 partners

- 5 SMEs
- 1 University
- 6 Private/Public Research organisations

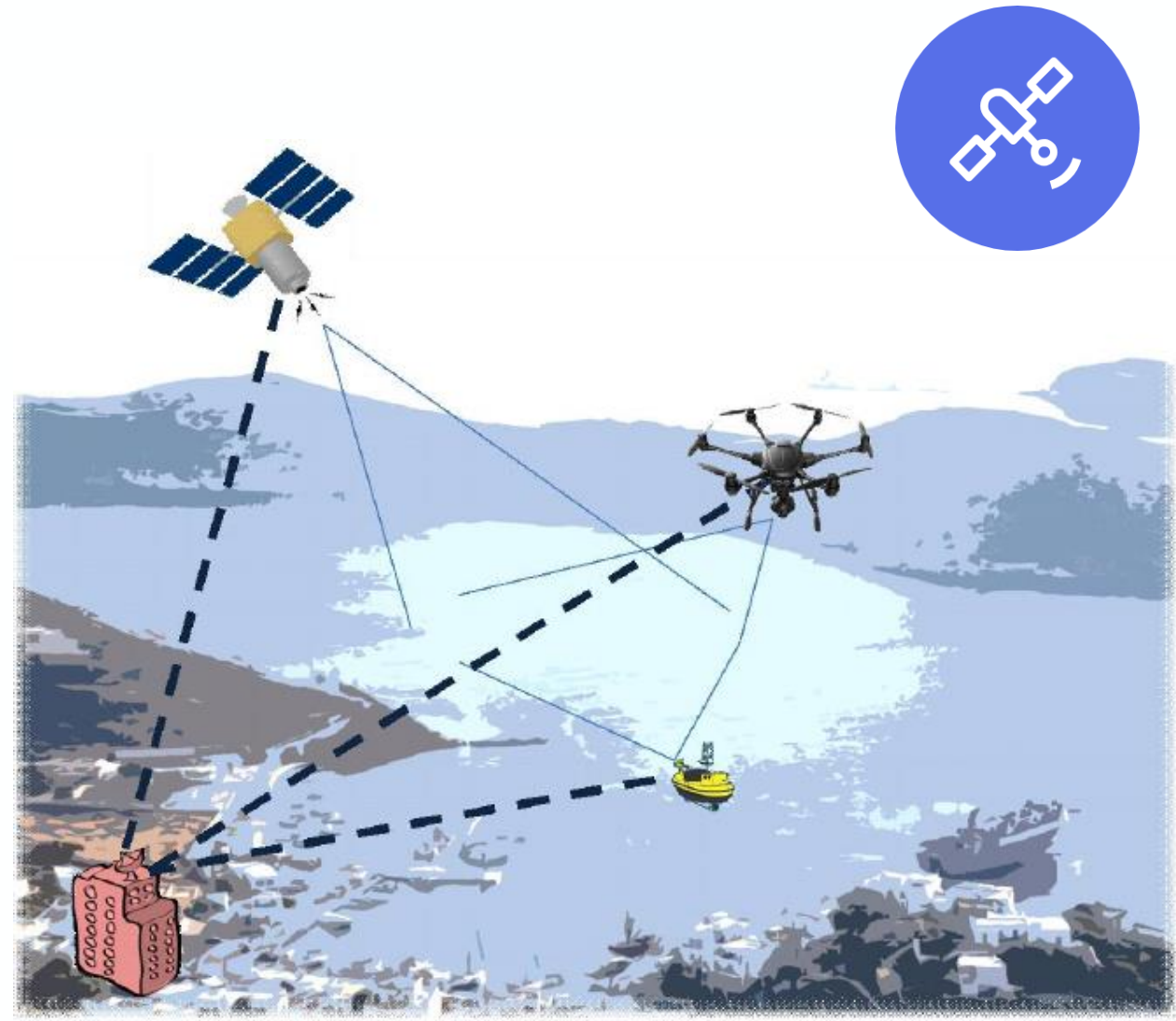
From 6 countries: Greece, Spain, The Netherlands, Ital, Belgium, Poland

The product will be consisting of an integrated operational service that will rely on:

- Satellite monitoring service
- Software package
- Risk mapping
- Autonomous Surface Vehicles
- Action protocol
- Rapid-response integrated system

Benefits: contributing to the overall sustainability of the ports

- improved risk management in EU ports and coastal areas;
- safer activity and better corporate image for all industries operating in these areas;
- better port management and new services,
- industry competitiveness;
- new skilled workers and companies with EO-data exploitation expertise, able to support Port authorities with EO data.



The benefits and recent successful outcomes

Successful outcomes

- ✓ Satellite and modelling data of the platform;
- ✓ Oil spill monitoring by Sentinels works for all three pilots tests (Rafina-GR, Puerto de la Luz (Canary Islands)-ES, Taranto-IT);
- ✓ Port of Rafina (GR)- the first pilot port receiving IMPRESSIVE's oil spill monitoring services;
- ✓ Drone technology: The first sea trials were successfully accomplished in Gran Canaria in November 2020;
- ✓ The platform highlighted as excellent innovation by the European Commission Innovation Radar team.





Our Mission

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NEREUS: a key player to the consortium

- Regions are link to a variety of key regional stakeholders such as port authorities/operators, scientific/technical community, industry/SMEs, academia, etc;
- Maritime is one of the key sectors of interest for NEREUS: 15 out of 23 full members are coastal, island and outermost regions;
- Dialogue with port authorities- your contribution;
- Final Conference (round tables with port authorities, maritime industry, and other marine initiatives)- your participation.



Thank you!

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