

impressive

A cloud Platform for port Authorities

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H2020 IMPRESSIVE project (*“Integrated Marine Pollution Risk assessment and
Emergency management Support Service In ports and coastal enVironmEnts”*)

impressive

Marine ports real time sustainability assessment
and pollution preventing program

[Visit Impressive Project site](#)



OilSpill



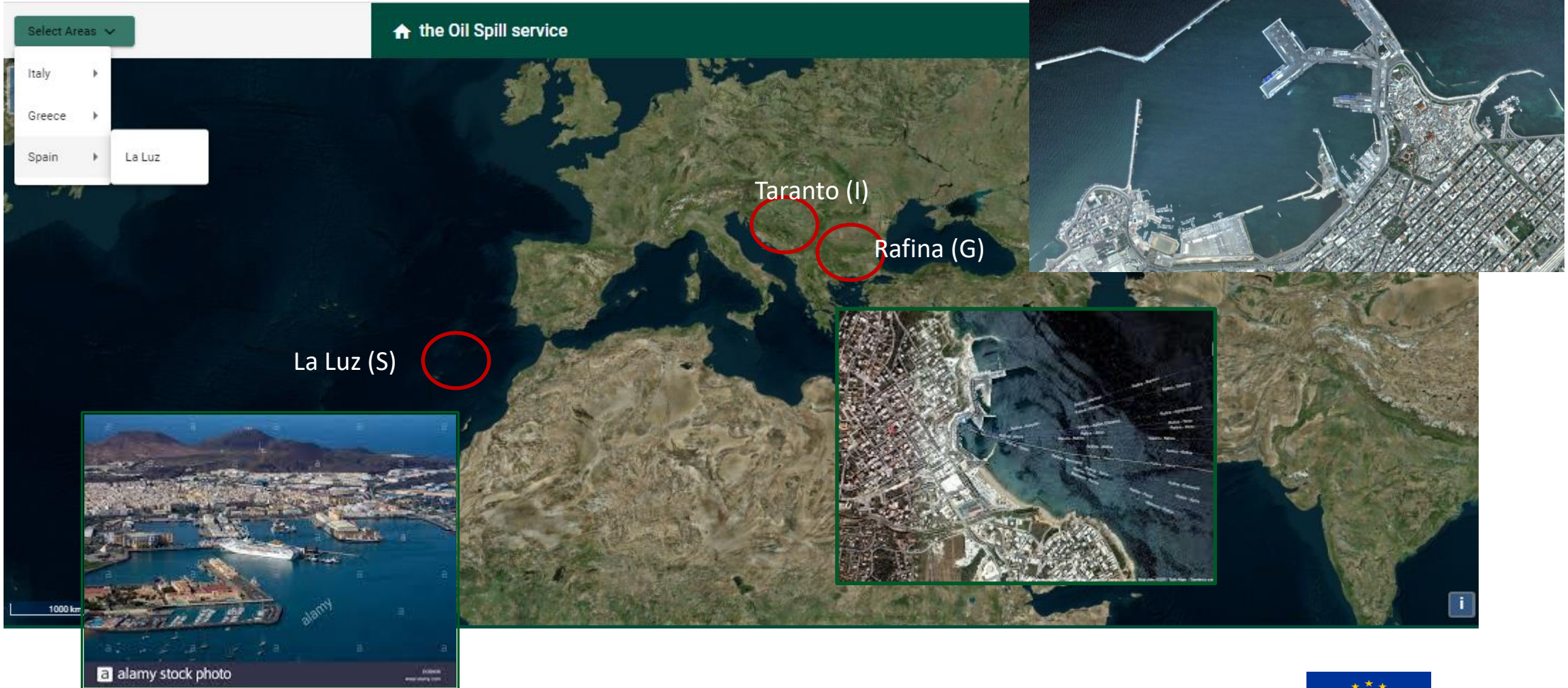
WasteWater



Target customers of IMPRESSIVE



Port Authorities, Port Operators, Shipping Companies, Local / Regional Public Administrations of the vicinity of the ports, Coast guards, Environmental protection Agencies, Oil/gas industries, Off-shore industries



IMPRESSIVE is a project (#821922) co-funded by the European Commission under the H2020 Programme



IMPRESSIVE Platform

The platform provides access to a set of different services. Some services are based on continuous monitoring of the AOI to identify potential oil spills or wastewaters. Other services are either on demand services or are triggered when a suspicious object/event is identified.

	Service	Service Typology	Input data
1 st level services	Oil Spill Detection Service	Continuous monitoring	Satellite data
	Waste Waters Detection Service	Continuous monitoring	Satellite data
2 nd level services	Oil Spill Early Warning Service + Monitoring + Forecast Drift	Automatically triggered after oil spill detection through satellite data	Satellite data + modelling
	Waste Waters Early Warning Service + Monitoring + Forecast Drift	Automatically triggered after waste waters detection through satellite data	Satellite data + modelling
3 rd level services	Oil Spill Monitoring with Remotely Operated Vehicles	On demand after oil spill detection through satellite data	Sample data acquired by ASV and/or hyperspectral data acquired by UAV
	Waste Waters Monitoring with Remotely Operated Vehicles	On demand after waste waters detection through satellite data	Sample data acquired by ASV and/or hyperspectral data acquired by UAV
	Oil Spill/Waste Waters Risk Hazard Mapping Service	On demand	IMPRESSIVE 1 st and/or 2 nd level services + other data

Benefit for the users



- Integrated solution for oil spill monitoring and control in harbors and their surrounding waters
- Validated methodology and services for the provision of EO products operationally and in real-time from DIAS, ESA SCI-HUB web platform and from two Copernicus mirror sites, one hosted by NOA for the Mediterranean basin and one hosted by ULPGC for NE Atlantic
- alerts for oil spills and waste waters in and around ports that would simulate the experts' decision
- Access to a cloud platform without need to install sw or plugin, or maintenance costs
- Easy access to the information through periodic subscription
- Access to different and complementary technologies (satellite, drones, Autonomous Surface Vehicles (ASVs))





Select Areas ▾

the Wastewater service Area Of Interest: Taranto (Italy) Welcome, planetek

Events Requests

- Event Date: 20-01-2021 Sentinel-2 Data ❌
- Event Date: 19-01-2021 Sentinel-2 Data ✅
- Event Date: 18-01-2021 Sentinel-2 Data ❌
- Event Date: 17-01-2021 Sentinel-2 Data ❌
- Event Date: 15-01-2021 Sentinel-2 Data ❌

Map controls: +, -

Legend:

- Sentinel-2
 - Turbidity (Opacity: slider)
 - Chlorophyll
 - Suspended particulate matter
- Forecast
 - Temperature
 - Salinity
 - Currents-Direction

5 km scale bar

Current selected map Bing Maps Today: 21-01-2021 Select Legend: None

View Forecast ▶ 19-01-2021 📅





Thank you

For any question contact me

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