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27 OCTOBER 2021



Sustainable port management through Copernicus: the space-based IMPRESSIVE platform

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Introductory Part

9:30* Welcome by Loredana Capone, Representative of Apulia region in the Committee of the Regions

Welcome by Roya Ayazi, NEREUS Secretary-General

Short introduction by Casto Lopez Benitez, Directorate-General for Mobility and Transport Maritime Safety, European Commission

10:20 Short Introduction on the project's objectives and key findings by Dr. Ioannis Dontas, IMPRESSIVE coordinator

10:40 Virtual presentation of the platform by the developers (visual storytelling)

IMPRESSIVE PLATFORM PRESENTATION

Daniela Iasillo, Planetek Italia, IMPRESSIVE Technical Manager

OIL SPILL MONITORING & ALERTS & WASTE WATER DISCHARGES SATELLITE SERVICES

Dr. Iphigenia Keramitsoglou, Research Director, National Observatory of Athens

DOWNSCALED HYDRODYNAMIC MODELS AND OIL POLLUTION FORECAST

Enrique Alvarez Fanjul, Jefe de Área de Medio Físico, Puertos del Estado

IN-SITU REAL-TIME DATA COLLECTION IN IMPRESSIVE USING AN AUTONOMOUS SURFACE VEHICLE AND AERIAL DRONE

Dr. Jorge Cabrera, Researcher, Computer Science Department, ULPGC • **Dr. Javier Martín**, Remote Sensing Expert, ELITTORAL

PILOT LA LUZ (GRAN CANARIA)

Maria Vidal Rigo, ELITTORAL, Pilot team coordinator • **Prof. dr. Antonio Ramos**, Institute ECOAQUA, ULPGC



This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement no. 821922

11:15 Coffee break

Views by different user groups about the use of the IMPRESSIVE product and their expectations

Roya Ayazi, NEREUS Secretary-General (moderator)

11:30 Round table with LRAs: maritime challenges in coastal and outermost regions and new services for a better policy making, and identifying the user in the different ports organized

Rui M A Caldeira, ARDITI – Regional Agency for the Development of Research, Technology and Innovation • **Dr Luca Crose**, AIPo - The Interregional Agency for the Po River • **Lucas Bosser**, The Conference of Peripheral Maritime Regions (CPMR) • **Paolo Menegazzo**, Venice Port Authority • **Corneel Bogaert**, EURISY

12:00 Q&A



12:30 Lunch break

Views by Industry and different user groups about the use of the IMPRESSIVE product and their expectations

13:30 Round table with the industry (SMEs, companies)

Sergio Samarelli, Planetek (moderator)

Phil Monbet, Pôle Mer Bretagne Atlantique • **Thibaut Voirand**, Telespazio France • **Amandine Declerck**, SUEZ Rivages Pro Tech • **Matteo Mattioli**, Engineering companies (SAIPEM) • **Fabio Bertella**, Optisoft (Italy) • **Giuseppe Siciliano**, PTS CLAS (Italy)

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14:00 Round table with other maritime projects/stakeholders

Margarita Chrysaki, NEREUS Communication & Project officer (moderator)

Audrey Hasson, Mercator Ocean (GEO Blue Planet) •
Laurence Crosnier, Mercator Ocean • **Teresa Cunha**,
European Maritime Safety Agency (EMSA) • **Stefano
Ferretti**, European Maritime Safety Agency (EMSA)

14:30 Q&A

14:50 Closing session: Outlook to the future by **Margarita Chrysaki**, NEREUS Communication & Project officer and **Dr Ioannis Dontas**, IMPRESSIVE coordinator

15:00 End

*In Brussels time (CEST)

Objectives of the Workshop

The virtual conference has the overall objective to promote and present the IMPRESSIVE platform towards potential users from the public and private sector but also to raise awareness to key EU policy stakeholders and relevant associations.

Thus it will serve advocacy purposes towards public users (local and regional authorities) and private entities e.g. discuss how to improve the uses of space-based solutions for a better informed decision-making and long-term planning on maritime protection, demonstrating via IMPRESSIVE the potential of EO for boosting local and regional economies.

In a nutshell the conference will:

- Raise awareness about IMPRESSIVE final product and results to companies and public users;
- Discuss at a political level how Copernicus data and integrated applications can benefit local and regional authorities and EU citizens, based on the IMPRESSIVE results;
- Act as fora for more public discussion of research and development to IMPRESSIVE and the wider industrial community;
- Showcase to a broader non-specialist audience of relevant stakeholders how IMPRESSIVE impacts their daily lives.



The conference is addressed to

- Regional representatives based in Brussels;
- High-level EU representatives from relevant institutions (European Commission - DG GROW and DG MARE, the European Parliament - ITRE and REGIO Committee, the Committee of the Regions);
- Representatives from private sector (start-ups and companies, Oil/gas and shipping industries, Off-shore industries);
- Sectorial users (Port Authorities, Port Operators, Local / Regional Public Administrations of the vicinity of the ports, Coast guards, coastal/nautical tourism associations, Environmental protection Agencies);
- Research Centres & Academia;
- Representatives from relevant stakeholder associations (such as EARSC, the European Association of Remote Sensing Companies, CPMR, the Conference of Peripheral Maritime Regions, AER, the Association of European Regions);
- Representatives from Mercator Ocean, Entrusted Entity for CMEMS;
- Representatives from other maritime initiatives (Marine EO, Atlantic Regional Initiative).

Workshop comprised of

a

The presentation of the IMPRESSIVE initiative and final product.

b

Round tables with the port authorities, industry, other maritime initiatives.

c

An open discussion between experts and audience to gather input on current and future needs in terms of maritime services that could be fostered, implemented and integrated into the regional strategies.

Logistic



Conference language:
English



Format:
Online event



Date:
27th October 2021



Workshop style:
Online



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The project

The IMPRESSIVE project is about the development of a universal relocatable platform which tracks the marine pollution events in the ports of the European Union and their areas of influence.

The added value of the IMPRESSIVE platform is reflected in the combination of various sophisticated technologies/techniques for earth observation, robotics and advanced mathematical models, for the development of this integrated, universal and replicable system, based on satellite images and Copernicus Marine products.

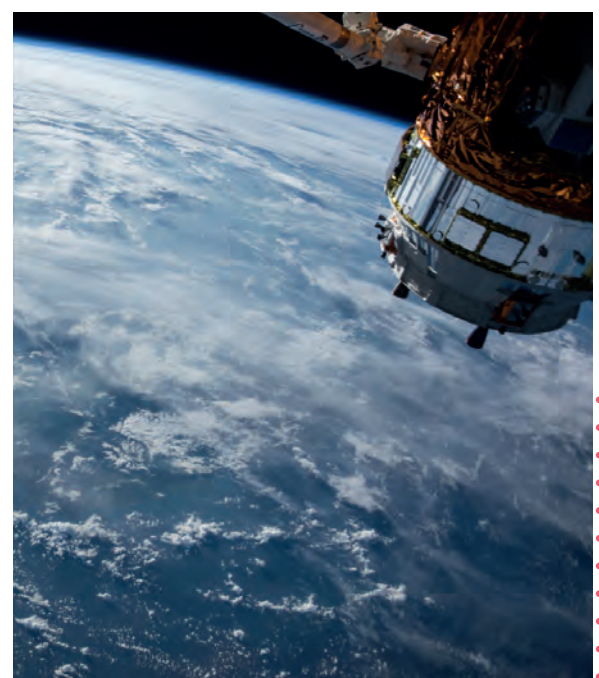
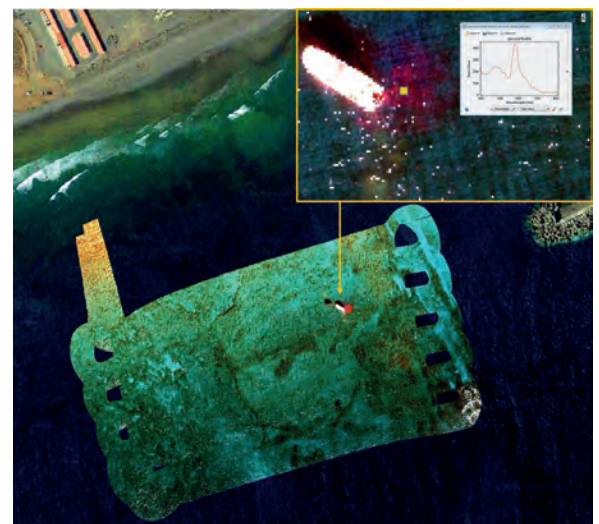
Most importantly, the platform is a supportive tool to achieve at a low cost a better port management which provides to the end user with all needed information to control pollution incidents.

As an ultimate goal, of this innovation action is to foster the exploitation of Copernicus by supporting the reduction of pollutants, improving the quality of waters and providing greater access and information to citizens.

The IMPRESSIVE platform aims to contribute to the overall sustainability of ports by implementing a complete supply chain for the evaluation of the environmental conditions in ports.

This kind of improved risk management, provides the stakeholders with safer activity within the ports, a better corporate image concerning the industries operating in these areas, and new capacities for detecting illegal polluting activities.

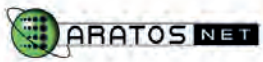
As a result, the platform aims to enhance industry competitiveness thanks to job creation and technology transfer of new skilled human resources with EO-data expertise, able to support the end users such as the port authorities.





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IMPRESSIVE is an **Horizon2020** project implemented by a consortium of 12 partners



Aratos.Net Ltd



National Observatory
of Athens (NOA)



Instituto de Ciencias
Matematicas (CSIC)

Puertos del Estado



Puertos del Estado



Euro-Mediterranean Center
on Climate Changes (CMCC)



Planetek Italia



Universidad de Las Palmas
de Gran Canaria



European Association of
Universities in Marine
Technology and Related
Studies (WEGEMT)



Elittoral s.n.l.e. (Estudios
de ingeniería costera y
oceanográfica)



Wide Pilot S.r.l



Network of European
Regions Using Space
Technologies (NEREUS)



CloudFerro sp. z o.o.



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