

The third NEPTUNE Newsletter is now available

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Neptune

Blue Growth Accelerator

Dear Reader,

Welcome to the third edition of the NEPTUNE Newsletter. This special issue aims at keeping you up to date on the latest actions carried by our consortium. A focus will be brought to our final Showcase Event that occurred on the 17th of October 2018 in Brussels. As usual emphasis will also be put on SME's led projects that we are eager to present you.

To refresh a little bit your memory, the NEPTUNE project was launched in July 2016 and will come to its end on the 31st of December 2018. Our aim, in leading this project as a European consortium is to support SMEs' innovation in Blue Growth through the creation of new cross sectorial value chains across the European Union.

In order to fulfill our objective, we managed to bring support to 41 innovative projects across Europe and to provide services to more than 100 SMEs. We are very proud of what we have been able to achieve through NEPTUNE and to showcase it we organised our final event on the 17th of October. With more than 100 participants, this event gave for the supported SMEs the opportunity to present their innovative solutions and to meet and exchange with large groups, other SMEs, experts, and European Commission representatives.

Without waiting any longer, I wish you a good reading, hoping that you will enjoy this newsletter.

Diego Carballo

European Project Manager

Aerospace Valley



NEPTUNE Blue Growth Accelerator Showcase Event celebrates the innovative projects led by SMEs

On October 17th 2018, the NEPTUNE project organized its Showcase Event in Brussels. The final event of the Blue Growth Accelerator aimed to present the excellent results obtained and gave the opportunity to its beneficiaries to showcase their innovative projects through pitches, booths and networking sessions. The event gathered in total 117 participants, of which:

- 74 SMEs;
- 4 large companies;
- 10 clusters;
- 7 associations;
- 14 governmental or public authority.

11 European countries were represented, showing the high interest for companies to

Each session was introduced by key stakeholders in the topic, large companies' representatives and experts, who provided a panorama of the subsector and exposed their own strategy upon the domain as well as their interest for the innovations developed by SMEs and startups:

- [SBM Offshore](#), the market-leader in providing floating solutions over the full product life-cycle for the energy industry, represented by **Ms. Stéphanie St Hill – Business Development Manager**, presented the Marine Renewable Energies sector needs;
- [ADUR](#), a software developer company for Transport and logistics, represented by **Mr. Lander Tolosa – Service Manager**, introduced the Ports Logistics and Maritime Transport overall vision;
- [Veolia group](#), the global leader in optimized resource management, which designs and provides **water, waste and energy management solutions** contributing to the

search for new collaborations and ideas abroad. After an opening speech from the lead partner Aerospace Valley represented by **Ms. Fabienne Daveran – European Desk Manager**, to provide an overview about NEPTUNE, **Mr. Felix Leinemann – Head of Unit Blue Economy sectors at DG Maritime Affairs and Fisheries, European Commission** and **Mr. Gunnar MATTHIESEN – Senior Project Officer at the Executive Agency for SMEs (EASME)**, were invited to share information about existing and forthcoming European funds available for SMEs and the potential of Blue Growth in the EU.

The following four thematic pitching sessions: **Environment & Marine Renewable Energies, Port Logistics & Maritime Transport, Environment** and **Water Management in Rural and Urban Areas** followed this introduction involving the presentation of 24 projects funded through NEPTUNE. The SMEs showcased the activities performed so far and the impacts of NEPTUNE on their organisations from improved sales to jobs creation.

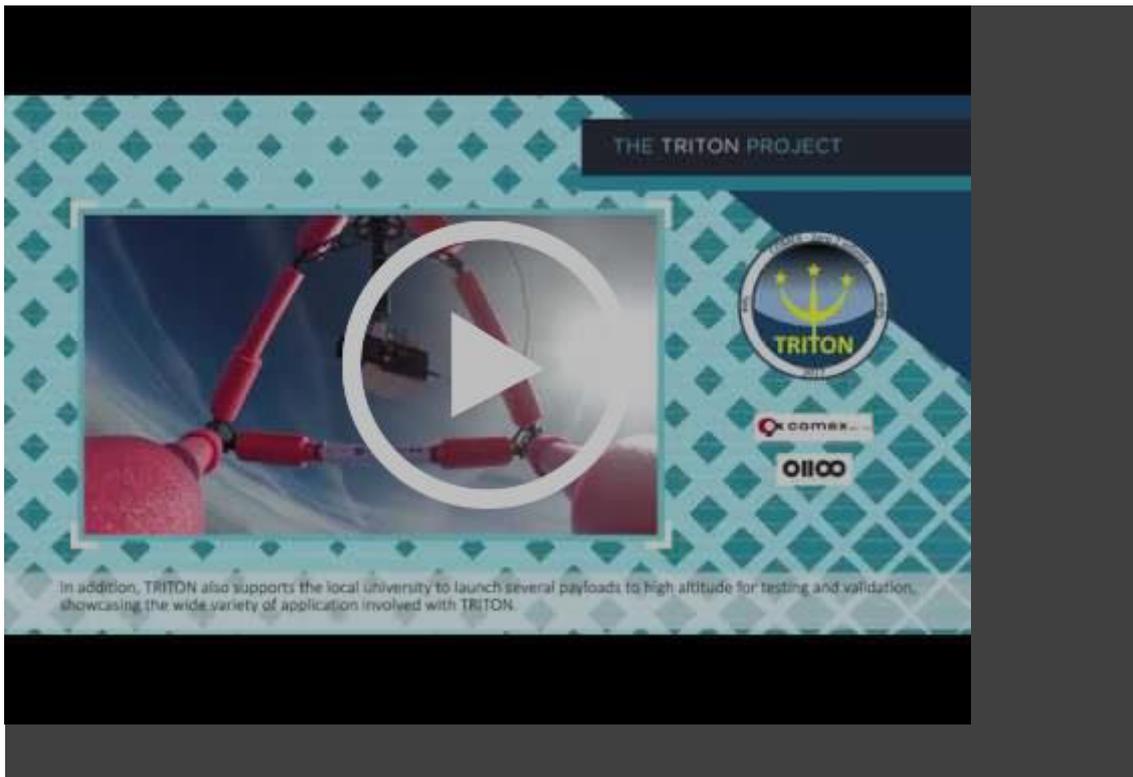
sustainable development of communities and industries and represented by **Ms. Marie-Christine Huau, Market Business Development Director**, highlighted the actual and future issues addressed to coastal and maritime Environment;

- FARAL Consult, a water infrastructure and management company, represented by **Mr. Florin Iliescu – Water Management Expert**, presented the challenges in Water Management in Rural and Urban Areas.

Ms. Anna Sobczak – Policy Officer for Clusters and Emerging Industries at DG GROW, European Commission, concluded the event by stressing out the importance and the added-value of clusters in the innovative SME support, notably through the cascade funding scheme carried by INNOSUP-1 projects.



Watch the brand new video of the Blue Growth Accelerator



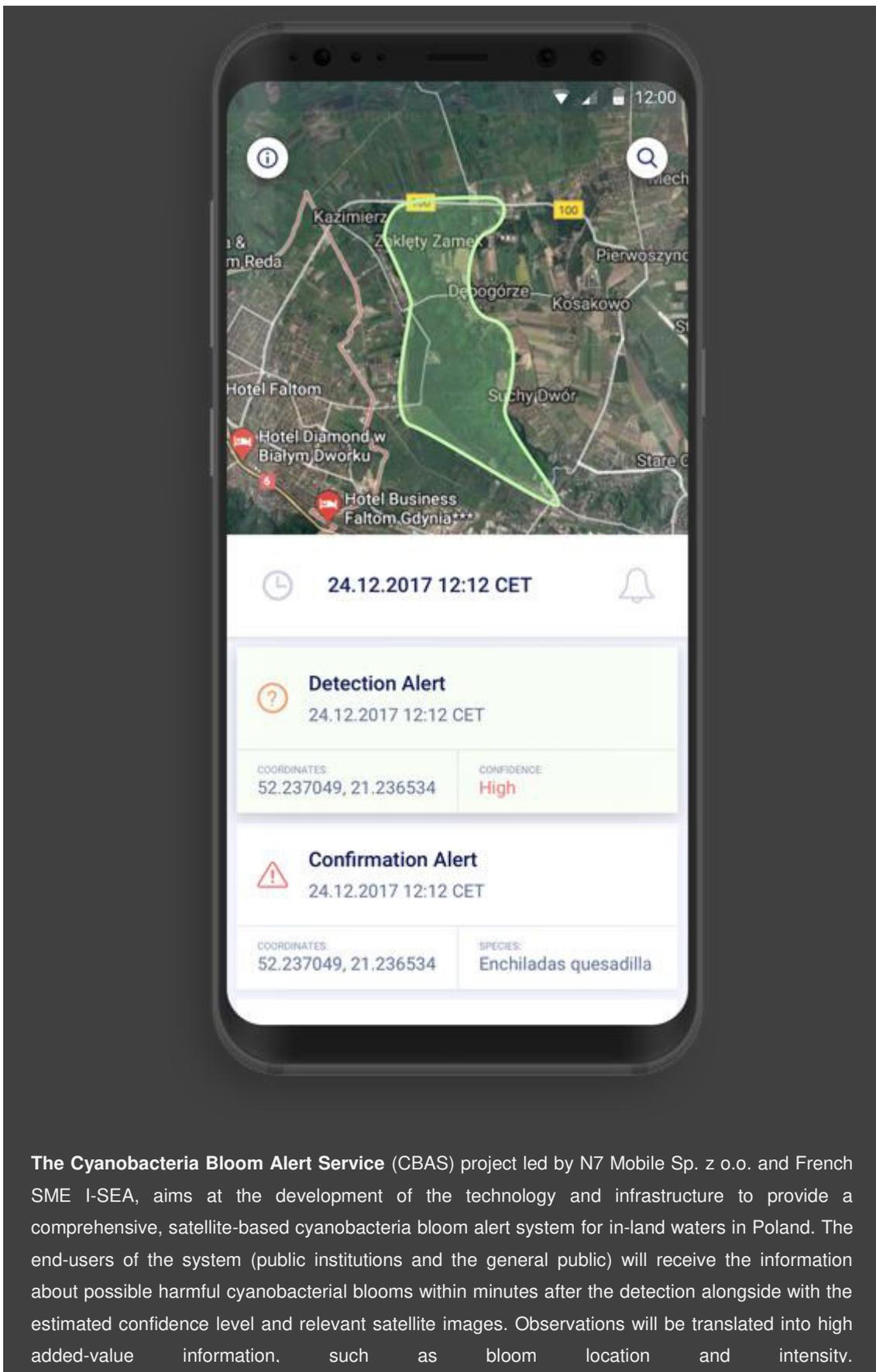
E-catalogue of projects supported by the Blue Growth Accelerator

Interested by innovative solutions for water management, coastal erosion, surveillance from the stratosphere, green maritime transport or smart ports, check out the 42 innovative projects supported, click on the button below to download the e-catalogue of projects with the description of their main achievements and the direct contacts to the SMEs.



[Download the e-catalogue](#)

A closer look to innovative projects supported by the Blue Growth Accelerator



The Cyanobacteria Bloom Alert Service (CBAS) project led by N7 Mobile Sp. z o.o. and French SME I-SEA, aims at the development of the technology and infrastructure to provide a comprehensive, satellite-based cyanobacteria bloom alert system for in-land waters in Poland. The end-users of the system (public institutions and the general public) will receive the information about possible harmful cyanobacterial blooms within minutes after the detection alongside with the estimated confidence level and relevant satellite images. Observations will be translated into high added-value information, such as bloom location and intensity.

CBAS has been monitoring Kaszuby district of Poland since June 2018 and will continue to operate in the following year. The service has analyzed 51 S-2 images and 171 S-3 images. 40 in-situ microbiological samples has been taken and analyzed to confirm the CBAS remote sensing data. CBAS automated system has generated 12 alerts for the monitored region so far. CBAS opens several development opportunities such as the evaluation of the water toxicity and the prediction of bloom developments based on biophysical models. The sum of these perspectives created through CBAS offer excellent future prospects. The project results are distributed to the end-users through the mobile application available on Google Play (www.sinos.pl). Partners will also continue to develop their technology within the scope of the HABRisk project financed by Mercator Ocean under the framework of the User Upake Call for Tenders 67-UU-DO-CMEMS-DEM4, Lots 3/4: *Promoting the demonstration of coastal, operational CMEMS downstream services on the Baltic Sea and developing the functional elements needed for these services*. Achieving the project objectives will offer significant evolution of the CBAS and will open an even larger commercial market.



The aim of the **AMOS project** is to develop an innovative system for monitoring the marine ecosystem using acoustic methods and satellite data. Within the project, SEMANTIC TS developed an autonomous single beam system capable of monitoring, even in very shallow waters, with great accuracy the depth of the sea and the seabed type, including the existence of Posidonia meadows that are particularly important in the sensitive marine environment. At the same time, GET is developing a web application that exploits and visualize all the free environmental data of Copernicus, providing access to satellite data from Sentinel, as well as on thematic products

such as chlorophyll concentration, sea temperature, water color and more.

During the pilot in Mytilene, the equipment developed under the project was tested in real life conditions, at the beach of Pamfila and in the Gulf of Kalloni. The project was supported by the Department of Marine Sciences of the University of the Aegean and in particular the Marine Remote Sensing Group (MRSg) (<https://mrsg.aegean.gr/>).



The MRSg provided the necessary equipment to carry out the pilot and also UAVs, to create high-resolution ortho-photo maps of the study areas, as well as divers to collect underwater photographs to be used as ground truth of the collected data.

Geospatial Enabling Technologies is an innovative Greek company active in the fields of GeoICT, Enviromatics, Open Data and geospatial business intelligence. The company, located in Athens, implements projects using free / open source software, such as GET SDI PORTAL which was entirely developed by the company, open standards and remote sensing satellite data (<http://www.getopendata.gr>).

SEMANTIC TS is a French company specialized in environment, bathymetry, oceanographic and acoustic services for monitoring of the marine environment. The company has developed and installed software for the French Navy ships, as well as innovative acoustic monitoring systems used in AMOS project.



The **UBIQO project** combines three types of technology to improve worker safety. It uses RFID technology to ensure that workers comply with personal protective equipment. In addition, an artificial vision system has been created to ensure control of access to certain areas. The camera-based system identifies the worker and determines if the worker is authorized or not to access. Finally, a geolocation system has been developed through an app that allows locating all workers if they are in the open air. Thanks to this app opens the possibility that biometric data can be extracted from the work and in case of an incident to act more quickly.

IDS INDUSTRIAL is a company specialized in

process automation and industrial computing. Basing on these capacities, it provides an extraordinary value for developing specific and / or global solutions for the automation and computerization of industrial processes and facilities. IDS INDUSTRIAL was founded 20 year ago and due to the of their solutions it has achieved a long list of first-class clients, with deployments around the world, in a market that requires flexible models to adapt to continuous changes. Among its services we can find:

- Regulation and control systems;
- Industrial Communication;
- Automation of industrial processes;
- Technological renewal of processes;
- Quality control in process;
- Test benches.

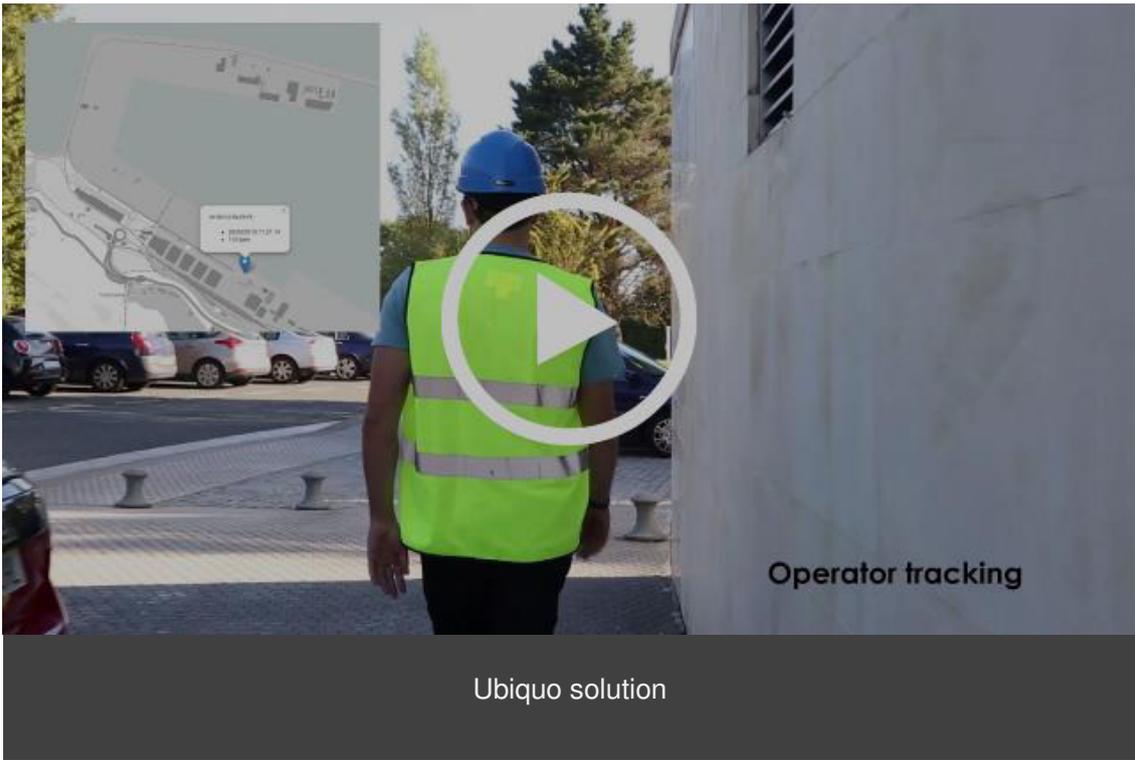


On the other hand, INGARTEK develops ad-hoc solutions in which knowledge about mobility is the fundamental axis. Ingartek develops mobile applications, integrate solutions, dashboards, help identify key indicators, etc.

INGARTEK, backed by its more than 30 years of experience accumulated by its workers, continuous learning and the most modern technology applied to our service, has the necessary training and commitment to offer the best service to a market that demands efficiency in the customer-company relationship.

Among its clients important public and private companies and transport authorities can be found. More information about different references of Ingartek can be checked in <http://www.ingartek.com>

Finally, regarding the subcontractor Vicomtech, it is an applied research centre specialising in Computer Graphics, Visual Computing and Multimedia technologies, founded in 2001. Its main activity and expertise is related with Visual (Computer Graphics and Computer Vision) Communications (Signal Flow Handling) and Interaction (Channel based Interaction) technologies.





News & Events

**8-16
DEC 2018
PARIS** *Nautic*

**Paris, From Saturday 8 to Sunday 16
December 2018**

The Nautic Paris International Boat Show gathers every year, at the beginning of December, all the sectors of the nautical industries. It becomes on this occasion the largest indoor port in France and one of the most important boat shows of its kind in the world. [Registration and information](#)



Malta

24

January

2019

A match-making event that brings together innovators and the financial community to sustainably develop the Blue Economy of the Mediterranean Sea basin, while protecting its marine resources. [More information](#)



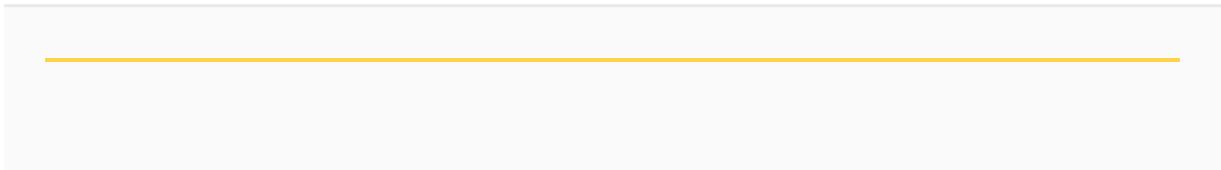
Call for proposal EMFF Deadline 31 January 2019

Innovation, marine litter, cooperation in the Mediterranean – the European Maritime and Fisheries Fund launches a call to foster a "Sustainable Blue Economy". With a total budget of € 14.5 million, the call will accelerate the implementation of the European maritime policy and the deployment of the blue economy

across Europe and in the Mediterranean. [Read the Call text](#)



European Maritime Day 2019 Lisbon
EMD is the annual EU meeting point on maritime affairs and blue growth. It targets maritime professionals, entrepreneurs and ocean leaders. The event and exhibition will take place on 16-17 May 2019 at the Lisbon Congress Centre.





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