



BLUE PORT SERVICES



Contribution to the European Maritime Days 2019

Lisbon, May 16th –17th 2019

[Full Program](#)

1. Context

The European Maritime Day (EMD) is the annual European meeting point on maritime affairs and blue growth. It targets maritime professionals, entrepreneurs and ocean leaders from Academia, NGOs, businesses, governments and public institutions.

It is traditionally organized in May, each year in one different European City, within a different focal theme. Over two days the event is composed of one central conference, stakeholders and European workshops, an exhibition and side events.

In 2019 the event takes place in Lisbon, Portugal, on May 16th and 17th. The focus will be on **blue entrepreneurship, innovation and investment** to transform traditional maritime sectors and boost emerging technologies and value chains.



The interregional cooperation project “Blue Port Services” addresses the issue of ships effluents, in particular oiled water and ballast water.

The project aims at motivating discharge before treatment of ships effluents into adequate port reception facilities (PRF). For all effluents the question is to find consensus on “adequate” solutions, attractive for ship owners and manageable for the ports/PRF operators. That is also true for ballast water, a new issue addressed by the IMO Ballast Water Management Convention.

The consortium is composed of 24 partners from the Atlantic area (port authorities, PRF operators, public authorities, companies, research centers) and is supported by a consequent transnational task force involving ports, national authorities and professional associations.

The EMD 2019 taking place in Lisbon is naturally a host for the project to exchange results and positions with external parties, knowing that the Portuguese Task Force is the most important in the project (38 organizations) and includes DGRM and DGPM, the Port of Lisbon, Setubal, Sines, Leixoes and Acores, Eco-Oil, Bentley systems, the universities of Lisbon and Coimbra, and the cluster Forum Oceano.



2. “Blue Ports” at the EMD 2019

Thanks to and due to the strong mobilization of the Portuguese maritime Community in the project, the consortium has organized an important contribution to the EMD2019 event. The objective is to inform about key issues addressed by the project, regarding in particular the IMO Ballast Water Management Convention (IMO BWMC) implementation scheme and the environmental risks linked to invasive species.

The IMO BWMC is a new challenge for ship owners and states. Its implementation has unforeseen costs and complexity although everybody agrees on its rationale. However, is there a way to reduce its economic impact and even to facilitate its operational implementation?

These questions will draw the red line of the project contributions to the EMD 2019. These contributions are summarized below and detailed in the following paragraphs. All are organized with the support of the Portuguese task force, especially from Lisbon.

Program overview:

- ➔ May 16th 2019, 14.00: A workshop entitled “Ballast Water and Invasive Species: the IMO BWMC status, questions and solutions”
- ➔ May 16th -17th , 9h30-18h00: Stands in the exhibition area of the conference organized by the partners and associated parties
- ➔ May 15th (¹), 16th and 17th: Demonstrations of “InvaSave”² the 1st port based BW treatment system certified by IMO in the port of Lisbon and a visit of the VTS station
- ➔ May 16th – 17th An exhibition area for the general public organised with the other Interreg project “My Coast”³ and with the support of the municipality of Lisbon on “blue ports”
- ➔ May 15th 2019: Project meeting (internal) in the morning; continued after the demo

¹ The demo of InvaSave on 15th is only for the project partners and associated partners

² InvaSave: a mobile unit (integrated in a container) developed by Damen, using UV to treat the water stream

³ Coordinated by MARETEC – technical university of Lisbon



3. Workshop “Invasive Species & the IMO Ballast Water Convention”

Date & Time: May 16th 2019, 14h00-15h50

Duration: 1h50

Title: Green Shipping – Invasive species and the IMO Ballast Water Convention – facilitating implementation and law enforcement

Organised by: the consortium and the Task Force of the Interreg project “Blue Port Services”

Context and questions:

The spread of non-native species is now recognized as one of the greatest threats to the ecological and economic well-being of the planet. When alien invasive species in ballast tanks are transported between water bodies and discharged, they have the potential for establishing new, non-indigenous populations causing damage to native biodiversity and impacting commercially important natural resources. As a result of the very real threats posed by ballast water, authorities and international organizations are now pushing ballast water regulations.

The IMO Ballast Water Convention entered into force in 2017. It imposes to equip ships with ballast water treatment systems and States through Port State Control to control quality of ballast water.

What are the problems raised by the implementation and what could be the role of ports in the implementation of the IMO BWMC? Could they offer services, as for the other types of effluents? What are the advantages, constraints or problems of each approach?

Part 1: Presentations (10 minutes each)

Henn Ojaveer – Prof. and Dr. in Marine Ecosystems, ICES/IOC/IMO Working Group on Ballast and Other Ship Vectors - University of Tartu/Estonia - Keynote speech: Ballast Water, alien species and environmental risk

Julio de la Cueva - Spanish Port administration (Puertos del Estado) - Director of ports operation - Implementation of the IMO BWMC in ports - solutions and remaining issues and foreseen solutions

Martin Dorsman - European Committee of ship owners association (ECSA)- Secretary General - Feedbacks from ship owners and advice to facilitate implementation of IMO BWMC

Matthijs Schuiten – Damen Green - Product Manager – “InVaSave” , a port based BW treatment service; from the idea to a pre-operational service



Part 2 Round table (20 mn): facilitating/improving implementation schemes of the IMO BWMC.

Participants: IMO, DG Mare, DGRM/DGPM, port associations (Portuguese, Spanish &/or French), European Ship owners association, Damen Green, ICES/IOC/IMO WGBOSV

- ➡ port based BWT services : towards an operational service: pro and con and use cases
- ➡ ballast water quality control: vision of Port State Control
- ➡ sea water monitoring and alerts: what can be done?

The round table aims at facilitating dialog with the audience.

Questions and answers will be animated by Michael Mc Carthy former Captain and port development manager at the Port of Cork and Rodrigo Fernandes (Bentley systems, coordinator of the environmental WP and coordinator for Portugal and Nuno Matos (Eco-Oil, Setubal)

Conclusion words: by DG Mare (tbc)



4. Stands in the exhibition area

As part of the EMD exhibition, the consortium organizes 3 stands to present three main issues addressed by the project:

what are the risks induced by shipping and port activities, especially regarding invasive species and oil and chemical pollutions; how ports can contribute to reduce marine pollution and to early detect pollution

1. What are the environmental impacts of shipping (with special focus on invasive species), why and what are the IMO Ballast Water Convention and the European Port Reception Facilities directives?
2. Sea water sampling, monitoring and forecast in ports: early detection of pollution or changes in sea water properties is one way to reduce environmental / economic impacts.
3. Port facilities for reception & treatment of ships effluents: introduction to InvaSave ⁽⁴⁾ and Port Reception Facilities in general as means to avoid discharge at sea.

5. Demonstration of Invasave and visit of the port of Lisbon

The port of Lisbon, Eco-Oil ⁽⁵⁾ and DAMEN Green, with support of the project partners ⁽⁶⁾ and task force will organize demonstrations of the mobile port based ballast water treatment system “InvaSave”.

These demos will take place in the port of Lisbon, at the VTS station tower. Three time slots of almost 60 minutes are currently targeted (hours to be confirmed soon):

- ➔ 15th May (14h30-15h30) (for the project consortium only)
- ➔ 16th May (16h15-17h15)
- ➔ 17th May (16h00-17h00)

Each demo includes a visit of the port of Lisbon and to the Lisbon VTS tower, with presentations of sea water monitoring in ports for oil, chemical and ballast water spillage. These are developed with the University of Lisbon and pursued through the two Interreg projects “MyCoast” and “Blue Ports”.

Participants will be transported by bus from the conference center. For logistic issues, transportation and visit of the VTS station is limited to 40 persons per visit.

Registration is required. Please contact us (contact@blueportservices.com) or/and fill in the online form [here](http://bit.do/blueports) (<http://bit.do/blueports>).

⁴ 1st port based facility for the treatment of Ballast Water

⁵ Eco-Oil operates Port Reception Facility in the port of Setubal to treat and reuse oiled effluents

⁶ in particular Bentley Systems, coordinator of the Portuguese Task Force

6. Public exhibition

During the EMD, the municipality of Lisbon promotes visits of the “Monument of the Discoveries” (Padrão dos Descobrimentos), an iconic monument located on the northern bank of the Tagus River estuary. It marks the place where ships departed to explore and trade with India and the Orient during the 15th and 16th centuries. Visitors and tourists will be able to visualize short videos of “MyCoast” and “Blue Ports” projects.



The monument is an open space for permanent or temporary exhibitions and conferences.

During the EMD2019, it will host a public presentation of the “Blue Port Services” project, and the other project “MyCoast” ⁽⁷⁾. The goal of this second project is to coordinate the scientific community to develop a regional (Lisbon metropolis at large) ocean observatory. One component would be in the port of Lisbon.

This public presentation would cover movies related to the project issues, in particular invasive species and their impacts, the port based ballast water treatment system “InvaSave”, an economic solution to prevent transport of Invasive species, sea water monitoring systems, etc.

⁷ On sea water monitoring in coastal zones and ports, coordinated by the technical university of Lisbon, associated partner of Blue Port Services.

7. Location of the events and logistics

The European Maritime Days 2019 (conference, workshops, and exhibition) will take place in Lisbon Congress Center: Praça das Indústrias ; 1300-307 Lisbon.



The demonstrations of the port based BW treatment system “InvaSave” will take place close to the VTS station tower, and a visit to the VTS tower will be included also.

Contact and registration:

For more information, please contact us: contact@blueportservices.com

Registration for the side events:

<http://bit.do/blueports>

Registration to the European Maritime days: <https://ec.europa.eu/maritimeaffairs/maritimeday/en>

Project web site: <https://www.atlanticblueports.com>