



Dear **COLUMBUS** partners,

Glad to share with you this new COLUMBUS newsletter!

This Fall edition mainly highlights the forthcoming annual events.

Details about the November one are being shared along with the training course provided on COLUMBUS, and the launch of the Blue Society Award.

Thanks to your respective contributions, an extensive COLUMBUS happenings coverage is being provided, with past COLUMBUS events (transfer of activities, brokerage events...) as well as future ones to come.

Enjoy the reading!

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- THE BLUE SOCIETY AWARD
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ANNUAL EVENTS 2017 and 2018



COLUMBUS
KNOWLEDGE TRANSFER FOR BLUE GROWTH

**2ND INTERNATIONAL BLUE SOCIETY
KNOWLEDGE TRANSFER CONFERENCE 2017**

**ACHIEVING
IMPACT FROM
MARINE
RESEARCH**

7 NOVEMBER 2017
CROWNE PLAZA
BRUSSELS, BELGIUM

REGISTER VIA THE COLUMBUS WEBSITE
FROM 11 SEPTEMBER 2017

AN INTERNATIONAL FORUM TO BRING TOGETHER ACTORS INTERESTED IN SHARING BEST PRACTICE AND LEARNING ABOUT INITIATIVES AND SECTORAL PROGRESS IN KNOWLEDGE TRANSFER. THIS CONFERENCE WILL OFFER AN OPPORTUNITY TO COLLABORATIVELY EXPLORE THE BARRIERS AND CHALLENGES, AND POSSIBLE SOLUTIONS, TO ACHIEVING THE IMPACT POTENTIAL OF MARINE AND MARITIME RESEARCH, AT ALL STAGES OF THE FUNDING CYCLE.

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2nd International Blue Society Knowledge Transfer Annual Conference : "Achieving Impact from Marine Research", November 7, 2017- Brussels (BELGIUM)

This international forum will bring together actors interested in sharing best practices and learning about initiatives and sectoral progress in Knowledge Transfer. It will offer an opportunity to collaboratively explore the barriers, challenges and possible solutions. This to study the potential impact of marine and maritime research, at all stages of the funding cycle.

The agenda forecasts the following sessions:

- COLUMBUS Scene Setting, Insights and Experience ,
- Success in Knowledge Transfer,
- Towards a Future of Impactful Research, and
- The Blue Society Award Ceremony.

For more information and to register, please visit the [COLUMBUS website](http://www.columbusproject.eu).

**TRAINING COURSE:
CREATING IMPACT BY KNOWLEDGE TRANSFER
TO SUPPORT FUNDING AGENCIES**

BROUGHT TO YOU BY EUROPE'S KNOWLEDGE TRANSFER FLAGSHIP PROJECT, COLUMBUS IS OFFERING A FREE TRAINING COURSE AS A SIDE EVENT TO THE 2ND INTERNATIONAL BLUE GROWTH KNOWLEDGE TRANSFER ANNUAL CONFERENCE. THIS TRAINING COURSE IS INTENDED FOR ALL THOSE WHO ARE INVESTED IN ACHIEVING GREATER IMPACT FROM THE RESEARCH THAT THEY SUPPORT, SUCH AS FUNDING AGENCIES, EVALUATORS, NATIONAL CONTACT POINTS AND DECISION MAKERS.

**CROWNE PLAZA
BRUSSELS, BELGIUM
6 NOVEMBER 2017
2PM-6PM**

WHAT TO EXPECT

- An introduction to the robust and validated COLUMBUS Knowledge Transfer Methodology
- Case studies of successful Knowledge Transfer
- Considerations for funding agencies to support an increase of impact from funded research projects

TO REGISTER YOUR INTEREST, VISIT WWW.COLUMBUSPROJECT.EU

The project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101019719. The project is a joint effort of the project partners, who are responsible for the content and for any errors or omissions contained herein.

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Training Course : "Creating Impact by Knowledge Transfer to Support Funding Agencies", November 6 2017 (afternoon) - Brussels (BELGIUM)

As both a side event to the 2nd International Blue Society Knowledge Transfer Annual Conference and on the same day than the COLUMBUS External Advisory Board (EAB) meeting, a free training on the COLUMBUS Knowledge Transfer Methodology and its related case studies will be run.

It is meant for all those invested in achieving greater impact from the research that they support: such as funding agencies, evaluators, national contact points and decision makers.

To register, please visit the [COLUMBUS website](http://WWW.COLUMBUSPROJECT.EU).



**SAVE THE DATE: The 2018 COLUMBUS Blue Society Knowledge Transfer Conference:
"Making Marine and Maritime Science Count",
January 23-24 2018 – Brussels (BELGIUM)**

BLUE SOCIETY AWARD



The COLUMBUS Blue Society Knowledge Transfer Award's Call for Nominations Opened until October 22, 2017.

As part of the 2nd COLUMBUS Blue Society knowledge Transfer Annual Conference, the winner of the 1st COLUMBUS Blue Society Knowledge Transfer Award winner will be announced.

This award will highlight best practice examples of successful Knowledge Transfer, specifically those resulting in impactful uptake of research results by end-users thus contributing to Blue Growth and the

implementation of marine and maritime policies such as the Marine Strategy Framework Directive (MSFD), and those that are in harmony with the principle of Blue Society.

This award is opened to Knowledge Transfer activities that are innovative, tailored, integrated, impactful, inspiring leadership and community empowerment, responsible, and leaving a legacy. The Prize will be awarded to the application that is most focused on highlighting best practice examples of research, which has been transferred to end-users and resulted in measurable impact, while supporting the Blue Society vision.

The winner will be presented with a ticket to attend the prestigious and inspirational Pendulum Summit in Dublin, on January 10-11, 2018. The "Breakthrough to Brilliance" conference is the world's leading business and self-empowerment summit, where leading inspirational minds from all industries and professions gather to stimulate disruptive, game-changing and visionary thinking.

[AquaTT](#) is sponsoring the prize.

OTHER COLUMBUS HAPPENINGS: Past and Future ones

April



Nested Environmental status Assessment Tool (NEAT) Practical Session at the ATLAS H2020 2nd General Assembly, April 26 2017 – Mallorca (SPAIN)

Both *Marine Governance and Management CN* ([CETMAR](#)) and [AquaTT](#), with the ATLAS consortium's assistance, co-organized a session to present NEAT.

The NEAT tool – developed through the FP7- Oceans of Tomorrow Project DEVOTES - is a new software created to assess the environmental status of the European seas

in an integrative way. NEAT has been designed to support the environmental authorities of the European Union Member States, but also the Regional Sea Conventions and the Marine Strategy Framework Directive.

Despite its versatility, the tool's developers are quite confident about its usefulness for other types of environmental assessment in the marine context. Through the scheduled open science session, the COLUMBUS partners wanted to make deep sea researchers involved in the ATLAS project aware of the NEAT potentiality and assess its testing opportunities, as part of both the WP6 and any of the case studies to be developed within ATLAS.

May

COLUMBUS Brokerage Event: "Cutting Edge Solutions For Marine Coatings", May 16 2017- Brussels (BELGIUM)

Addressed to professionals from marine and maritime business, society and R&D, [ECMAR](#), the [Center of Maritime Technologies e.V. \(CMT\)](#), [Maritime Development Center \(MDC\)](#) and [Aquaterra](#) co-organized this brokerage event.

It enabled to:

- Provide an update on the marine coating developments,
- Initiate cross-border contacts and co-operations, and
- Share the latest news on the EU calls from the Transport and Blue Growth divisions.

Rosa Fernández took the opportunity to present COLUMBUS, and in particular the Selektope test programme developed by [CETMAR](#) in collaboration with the Maritime Transport and logistic CN.

COLUMBUS at the ERA-MBT Industry Workshop, June 1 2017 - Brussels (BELGIUM)

With the objective to support efficient value creation from academic knowledge, [ERA-NET MarineBioTech](#), with AquaTT support, organized this workshop. Close to 20 stakeholders along the value chains from academic knowledge shared their experiences, and their respective knowledge outputs to market's products and services. They discussed challenges related to information flow and communication to gain tangible guidelines.

These to be aggregated for efficient and targeted communication between stakeholders.

Rosa Fernández presented COLUMBUS and chaired the session 3 dedicated to "*brainstorming towards solutions*".

Bussiness2sea Forum do Mar 2017, June 6 2017 – Porto (PORTUGAL)

Organized by [Forum Oceano](#), and with the participation of [CETMAR](#), this B2B matchmaking event on maritime economy provided an unique opportunity to present COLUMBUS to a tailored audience. Indeed, this 6th edition of the former *Fórum do Mar* is an international event dedicated to stakeholders from the different activity sectors comprising the maritime economy.

This B2B event encompasses international conferences, seminars and workshops as well as an exhibition area for sea products, services and technologies.



COLUMBUS Knowledge Transfer Activity: "Data Management in Relations to the MSFD Descriptor 2 (D2)", June 9 2017, Madrid (SPAIN)

The Marine Governance and Management (MG&M) CN hosted this knowledge transfer activity at the *Spanish Oceanographic Institute* headquarter.

The main objective was to explore suitable pathways to transfer one of the EU research project VECTORS' knowledge output, named AquaNIS.

MG&M CN-CETMAR (Rosa Fernández, Marisa Fernández and Mónica Incera) took also part to this event.



COLUMBUS at the European Wave and Tidal Energy Conference, August 29- September 1 2017- Cork (IRELAND)

Among the 500 delegates from almost 30 countries, [SmartBay Ireland](#) attended this year edition. It also attended the workshop hosted by the [MARINET2](#) Coordination Team.

This event provided a platform for test facility providers from across Europe, a unique opportunity to discuss their facilities with potential users. There is 566 weeks of free-of-charge testing available through MaRINET2 at 53 different test facilities. Through the project wind, wave and tidal energy technologies can be tested, as well as electrical systems, and technologies with cross-cutting applications.

September



SEPTEMBER COLUMBUS Knowledge Transfer Activity: STAGES and COLUMBUS Projects, September 7 2017- Madrid (SPAIN)

This activity has been organized last September by Marine Governance and Management (MG&M) CN with the assistance of the Spanish Research Agency at the Spanish Research Agency headquarter.

Addressed to staff members from the Spanish Funding Agencies, this activity highlighted “*Managing knowledge from public funded research for maximizing its uptake and impact generated*”.

Both STAGES and COLUMBUS project’s key processes and outcomes were presented by Marisa Fernández.

Then Rosa Fernández explained the key steps to implement knowledge management methodologies at the Spanish level. Both projects respective recommendations and methodologies for knowledge management were assessed by the Spanish Research Agency and the Ministry of Economy and Competitiveness.

PLOCAN (Ayoze Castro) and **INNOVATEC** (Erika Sela) also took part to this event.

October

COLUMBUS Brokerage Event at the European Network for Lightweight Applications at Sea (E-LASS) Conference, October 11 2017 – Pula (CROATIA)

With the support of the COLUMBUS Partners - **Maritime Development Centre**, Copenhagen (Denmark) and **Center of Maritime Technologies** e.V., Hamburg, (Germany)-, the **E-LASS Network** hosted a COLUMBUS brokerage event on “*how can lightweight materials and innovative joining techniques be used for the next generation of maritime products – get the latest knowledge from research and innovation*”.

At this event, participants received first-hand knowledge throughout lively discussion sessions.

The following topics were tackled:

- Lightweight materials and designs for maritime applications (SOLAS Vessels and OFFSHORE),
- Joining techniques for multi-material structures ,
- Latest developments on rules and regulations (IMO, Classification Society), and
- New research projects on innovative ship design and sustainable operation.

A COLUMBUS presentation on selected KOs (e.g. FAUSST Project - Novel solutions for composite-steel joints) was also in the programme.

Unlocking the Potential of Multitrophic Mariculture: Abalone Culture Along with Fish Sea Cage Culture

Columbus will organise a workshop on Abalone farming and integrated Multitrophic Marine Aquaculture in order to find ways to establish a pilot abalone multitrophic farm in Europe.

The global aquaculture production of abalone species has increased by over 75% in the last decade. In 2010, world abalone production reached 69,245t, valued at around 41 million €, of which only 82% originated from the fisheries sector, meaning that approximately 18% of the total abalone production was from aquaculture (FAO, 2012).

SUBJUVAS Project ID: 1022267 / FP7 SMEs 2007 / 7 / 2007-0100 brought together the main producing SMEs and leading R&D providers from the abalone aquaculture sector in Europe. For a project that had a significant impact for developing sustainable abalone aquaculture in Europe, SUBJUVAS focused on the development of the fish-seaweed-abalone integrated system, which showed the good potential of using a variety of seaweeds and their successful production in biofilter systems. This seaweed nutritional value was similar to other macroalgae used as feed for abalone and being able to match the broken and specific requirements of abalone, hence promoting good growth and survival.

Sea based integrated abalone production:

The trials performed in order to test abalone acceptance of vegetal based formulation food indicate that feeding *H. tuberculata* cocoones with seaweeds based diet resulted in high survival and good dietary protein utilization. The effect of various macroalgae and their quality, related to culture conditions, were demonstrated to affect growth, soft body to shell ratio, food conversion ratio and consequently dietary protein utilization.

Vegetable based formulated food:

The trials performed in order to test abalone acceptance of vegetal based formulation food indicate that feeding *H. tuberculata* cocoones with seaweeds based diet resulted in high survival and good dietary protein utilization. The effect of various macroalgae and their quality, related to culture conditions, were demonstrated to affect growth, soft body to shell ratio, food conversion ratio and consequently dietary protein utilization.

For more on ABALONE Multitrophic Mariculture in the Columbus visit to: www.columbusproject.eu

Contact us if you are interested to participate in the Industry event. E-mail to: panos@aquark.gr

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COLUMBUS Brokerage Event at the European Aquaculture Society (EAS) Annual Conference, October 17-20 2017 – Dubrovnik (CROATIA)

On October 18th, **Aquark** is organizing a brokerage event. In addition to the COLUMBUS approach presentation, several aquaculture related case studies will be described.

- They are:
- ABALONE IMTA in the Mediterranean,
 - W42 VNN-VER VLP IP Vaccine,
 - FARMORAS - Monitoring Water Quality in RAS,
 - SODIUM BUTIRATE,
 - Fish Shape App, and
 - Novel Feed Additives.

In addition to this event, you will find in the exhibition area the COLUMBUS booth. It will be located just next to the **AquaTT** one.

November



COLUMBUS Workshop: "The Digital Ocean: An Opportunity for Value Creation in Europe", November 8 2017 (afternoon) - Brussels (BELGIUM)

Being organized and coordinated by the **Norwegian University of Science and Technology (NTNU)**, the mission-oriented approach within FP9 will be discussed in the context of marine and maritime research. The workshop will involve the research community, policy makers and industry. For further information, please refer [here](#).

HORIZON 2020 WP2018-2020 Societal challenge 2 Info week 14-17 Nov. 2017

#InvestEUresearch
 #H2020SC2

COLUMBUS at Infoweek, November 17 2017 – Brussels (BELGIUM)

The **European Commission** (the Directorate-General for Research and Innovation (DG RTD) and the Directorate-General for Agriculture and Rural Development (DG AGRI), with the **Research Executive Agency (REA)** co-organize an **Info Week on Horizon 2020 Societal Challenge 2 (SC2)** from November 14 to 17, 2017.

This year edition is on "Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy".

Its last day will focus on "Blue Growth Research & Innovation", which schedules the COLUMBUS movie showcase.

For further information about this event, please refer [here](#).



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