

## WHEN TECHNOLOGY MEETS AQUACULTURE

### A co-creation workshop to transfer knowledge and find synergies among different Atlantic Area Projects

Cádiz, 1st. December, 2022

#### Objective:

The aim of this workshop is to co-create and experiment how IoT, Big Data and Virtual Reality / Augmented Reality technology solutions and tools developed for one maritime sector of activity, can be transferred to a totally different and more traditional sector.

This is the case of three Interreg Atlantic Area Projects, **AT-Virtual** ([www.at-virtual.eu](http://www.at-virtual.eu)), **Access2sea** ([www.access2sea.eu](http://www.access2sea.eu)) and **Integrate** ([www.integrate-imta.eu/](http://www.integrate-imta.eu/)) which are actually being implemented.

**AT-Virtual** has developed different tools and technology solutions to improve the operability and performance of Maritime Safety Training Centres (MSTCs) in the Atlantic territory. Its objective was to accelerate digitalization of MSTCs in the Atlantic Area, by introducing new emerging Industry 4.0 related technologies (IoT, Big Data / Data Analytics and Vision Technologies) in simulation based training systems, contributing to more effectively and efficiently tackled of maritime security and safety in the AA.

**ACCESS2SEA** has the aim of improving attractiveness of the Atlantic shore for aquaculture SMEs by enabling new business opportunities and providing sustainable and easier access to it by unlocking the existing barriers, facilitating terrestrial production, disseminating new and existing solutions, providing support to aquaculture SMEs, to strengthen or attract them to the area. The project works on the improvement of social acceptability of aquaculture, improvement on the space planning for aquaculture and the support to businesses in this sector.

**INTEGRATE** facilitates the industrial transition towards Integrated Multi-Trophic Aquaculture (IMTA) in the European Atlantic Area. IMTA systems are a circular economy paradigm. They contribute to making Atlantic aquaculture more sustainable and competitive, thus unlocking green growth within the European aquaculture sector. However, despite IMTA being encouraged by European Union (EU) policies such as the Blue Growth Strategy, the Atlantic Action Plan and RIS3, there still are socio-economic, administrative and legal bottlenecks hampering its development to its full potential. To overcome these, INTEGRATE supports meaningful cooperation between academia, the corporate sector and relevant authorities.

Many challenges that Aquaculture producers are facing, have been identified in the implementation of **Access2sea** and **Integrate**, and many of them can be solved by using 4.0 technologies and therefore the technologies developed by the participant startups in **AT-Virtual**.

## WHEN TECHNOLOGY MEETS AQUACULTURE

**A co-creation workshop to transfer knowledge and find synergies among different Atlantic Area Projects**

Cádiz, 1st. December, 2022

### AGENDA

#### **15:00 – 15:15 Presentation of AT-Virtual, Access2sea and Integrate**

- Ana Suárez, CEEI Bahía de Cádiz. Lead partner of the ACCESS2SEA Project
- Ana Méndez, CEEI Asturias. Lead partner of the AT-VIRTUAL Project.
- Erik Malta, CTAQUA. Lead partner of the INTEGRATE Project

#### **15:15 – 15:30 Presentation of aquaculture producers /organizations and their challenges:**

3 challenges presented by businesses or institutions working in the Aquaculture sector, who previously participated in the **ACCESS2SEA** and **INTEGRATE** projects will pitch 3' to the audience, presenting the challenges to tackle.

The solutions to these problems will have to be feasible to be solved by using Internet of Things, Big Data / Data Analysis or Virtual Reality / Augmented Reality technologies provided by AT-Virtual Startups.

#### **15:30 – 15:45 Presentation of technology startups and their potential solutions:**

**AT – VIRTUAL** Startups will pitch potential technical solutions that they can propose to solve the challenges presented by the Aquaculture Sector, by using Internet of Things, Big Data / Data Analysis or Virtual Reality / Augmented Reality technologies.

#### **15:45 – 15:55 Open Debate with the audience.**

A debate will be open with the audience to provide feedback about the solutions presented, their feasibility, potential improvements, ....

#### **15:55 – 16:00 Conclusions and Workshop Closure.**

The outcomes of the workshop could be ideation of solutions, transfer of knowledge, contribution to the digital transformation of a more traditional sector, transfer of best practices to other organizations, sectors or territories, ...

This could be the base for further private-public collaborations, new projects or new business opportunities, to name some.

## WHEN TECHNOLOGY MEETS AQUACULTURE

### A co-creation workshop to transfer knowledge and find synergies among different Atlantic Area Projects

Cádiz, 1st. December, 2022

#### Methodology:

The workshop will be delivered as a hybrid event, both online and offline. Participants and speakers could be either, online/offline.

It will be a very dynamic and participatory workshop, where aquaculture businesses and technology startups will work together to find technology solutions to different challenges identified in the aquaculture sector.

#### Target Audience:

The target audience of this workshop will be mainly aquaculture producers and technology startups, being also of high relevance for the transfer of digital solutions and knowledge for public administrations, technology and research centers, business associations and other stakeholders related to the blue – growth sectors.