



# The treasures of a healthy and sustainable ocean



This open and free activity is part of the Summer Course "A university that looks at the sea: sailing through knowledge on the Saltillo school ship"

**20.Jul 2022**

**Cod. W13-22**

**Mod.:**

Streaming Face-to-face

**Edition**

2022

**Activity type**

Open activity

**Date**

20.Jul 2022

**Location**

Nautika eta Itsasontzi-makineria Goi Eskola Teknikoa UPV/EHU

**Languages**

Spanish Basque

**Organising Committee**



## Description

The ocean provides us with food and other resources and services but, although we are often unaware of it, it is finite and vulnerable. Obtaining food requires sustainable strategies and practices, both socio-economically and environmentally. To this end, biotechnological tools are available to facilitate sustainable aquaculture, the exploration of low trophic level fishery alternatives, the improvement of food quality and safety, and the optimisation and innovation in food processing; all within the scope of the circular economy and the challenge of zero pollution. In addition, the engineering of genetic resources (biomimicry, biofuels and bioengineering) and the exploration and management of genetic resources (biodiversity, natural bioactive for pharmaceutical and industrial use) are still marine treasures that we are beginning to discover. These advances are only possible if the health of the ocean is protected in the framework of the emerging "One Ocean - One Health" paradigm. Biotechnology also provides us with tools that contribute to the protection of the health of marine ecosystems (biosensors, biomarkers, bioassays, bioremediation and biorestitution).

## Objectives

## Course specific contributors

**unum**

Mugaz gaindikoa Uda Ikastaroak  
Cursos de Verano transfronterizos  
Cours d'Été transfrontaliers



Universidad del País Vasco Euskal Herriko Unibertsitatea

université  
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**euskampus**  
FUNDAZIOA

**Ocean i3**

# Program

20-07-2022

10:45 - 11:00 Registro / Erregistroa

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11:00 - 12:30 “Los tesoros de un océano sano y sostenible”  
**Ionan Marigómez Allende** | Estación Marina de Plentzia - Director

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## Teachers



### **Ionan Marigómez Allende**

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UPV/EHU Prof in Cell Biology since 1999; Researcher in the CBET CRG) is the Director of PiE-UPV/EHU since its creation in 2012. He was head of the Dpt of Zoology & Animal Cell Biology (00-03 & 06-09). Active in research formation, he has been coordinator of UPV/EHU of Erasmus/Socrates network on "Environmental Science & Education" (89-), Director of Doctoral Programmes Biología Ambiental y calidad vida (98-present); Contaminación y Toxicología Ambientales (05-12), & Marine Environment & Resources (09-present). Likewise, he was Coordinator MSc Contaminación y Toxicología Ambientales (05-2012) and European MSc Marine Environmental Resources (Quality Award MEC, Mundus Master since 2013 - International Coordinator-; 05-present). He was a member of the Science Coordination Board for Accident Marine Spills MICINN (03-07) & Prestige Scientific Committee -Basque Government (02-04). His expertise includes cell biology, biomarkers, pollution monitoring, ecosystem health indices, metals, oil spill, marine, soil, climate change, animal comparative histology, histopathology, histochemistry, quantitative microscopy. He obtained the Extraordinary Award for his PhD (1989).

# Registration fees

**REGISTRATION - FACE-TO-FACE**

**UNTIL 20-07-2022**

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General

0 EUR

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**REGISTRATION - LIVE ONLINE**

**UNTIL 20-07-2022**

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General

0 EUR

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# Place

Bizkaia