



AZTIEVENTS

AZTI & EEAcademy SUMMER SCHOOL 2018

5th to 7th June 2018. San Sebastián (Spain)

Blue Growth: can marine environment support growth maintaining good ocean health?

AZTI organizes annually (since 2004) an international 'Summer School' on marine research related cutting-edge topics, always trying to bridge the gap between research and policy. The course is taught by about 5-12 professors and attended by around 60-90 students from 15-20 countries. Some years we have organized the school back to back with European projects, such as DEVOTES (DEVelopment Of innovative Tools for understanding marine biodiversity and assessing good Environmental Status: www.devotes-project.eu) or MARS, as well as other organizations (e.g. Euromarine), and in 2017 with the EEAcademy.

For 2018, coinciding with the 15th anniversary of the courses, the topic proposed is the Blue Growth and how to reconcile this growth with the maintaining of the environmental status, under the Marine Strategy Framework Directive (MSFD). Hence, a new edition building on a socio-ecological framework to address the important management issues related to the governance of the oceans. Governing the oceans and keeping them in a healthy state requires activities at sea to be sustainable, so that the ecosystem services provided by the oceans and the functionality of the ecosystems can be maintained, even under a blue growth.

The attendees will acquire new knowledge on recent trends in marine research, in relation to the management and governance of our oceans and the blue growth initiatives. This summer school will focus on the integration of different sciences (i.e. social, economic and ecological) as a means to enhance the potential of our oceans through adequate management and governance, for which sustainable blue growth is crucial. This course will explore this at different spatial scales and in management and governance applications (e.g. to the MSFD, the Maritime Spatial Planning Directive, the Biodiversity Strategy 2020; etc.). Hence, the main objective of the school is to give an overview on the problems associated to blue growth, and its relationship with ocean and coastal livelihoods, management and governance.

As an outcome of this course (in addition to the presentations, which will be freely available after the school), the professors participating in the course will prepare an open access position paper on this topic, to be submitted to a broad scope scientific journal (e.g. PlosOne, Frontiers in Marine Science, etc.). This will be a cross-cutting review. This position paper will have an impact on another key audience, marine policy makers and managers. In addition to such impact, it is expected that students participating in this summer school will implement the knowledge gained through this summer school in their professional careers.







DRAFT AGENDA

4th June: 18:00-20:00 Ice-breaking at the Aquarium

$\mathbf{5}^{\text{th}}$ June: Blue Growth and new opportunities for jobs in marine environments

9:00-9:15	Introduction to the course. Angel Borja, AZTI
9:15-10:00	Blue Growth: what is it and how it will be developed in Europe. Juan José Ronco Zapatero, DG-MARE, Brussels
10:00-10:40	Advantages of Aquaculture in multiple use of space Blue Growth projects. Gordon Dalton, University College Cork, Ireland
10:40-11:00	Coffee Break
11:00-11:40	Marine renewable energies: reducing CO2 increase and increasing employment. José Luis Villate, Tecnalia Research & Innovation, Spain
11:40-12:20	Biotechnology: New opportunities from the oceans. Fernando de la Calle, Pharmamar, Spain
12:20-13:00	Coastal tourism: wellbeing for an overwhelmed society. María C. Uyarra and Arantza Murillas, AZTI
13:00-13:40	Maritime Spatial Planning and Blue Growth sectors. Juan José Ronco Zapatero, DG-MARE, Brussels







6th June: Socio-economic issues preventing or allowing Blue Growth

9:00-10:00	The policy context for the sustainable use of European seas, as the environment pillar of the blue growth agenda. Stéphane Isoard, EEA
10:00-11:00	Technical and non-technical barriers facing blue growth sectors. Gordon Dalton, University College Cork, Ireland
11:00-11:30	Coffee Break
11:30-12:30	Enhancing Adaptive Capacity for Sustainable Blue Growth: participation. Anna-Stiina Heiskanen, SYKE
12:30-13:30	The EEA Marine Roadmap 2016-2022: making strategic planning operational. Stéphane Isoard, EEA
15:30-18:00	Presentation of posters from attendees and general discussion with professors.

7th June: Blue Growth and Healthy Oceans

9:00-10:00	Reconciling blue growth and the achievement of good environmental status under the MSFD and the MSPD. Angel Borja, AZTI
10:00-11:00	Challenges for marine conservation under Blue growth policies. Alec Taylor, WWF, UK
11:00-11:30	Coffee Break
11:30-12:30	Blue growth developments and human health. Claire Eatock, University of Exeter, UK
12:30-13:30	Blue Growth and Ocean Literacy. Pierre Stroesser, ACTeon, France
13:30-14:00	Closure

