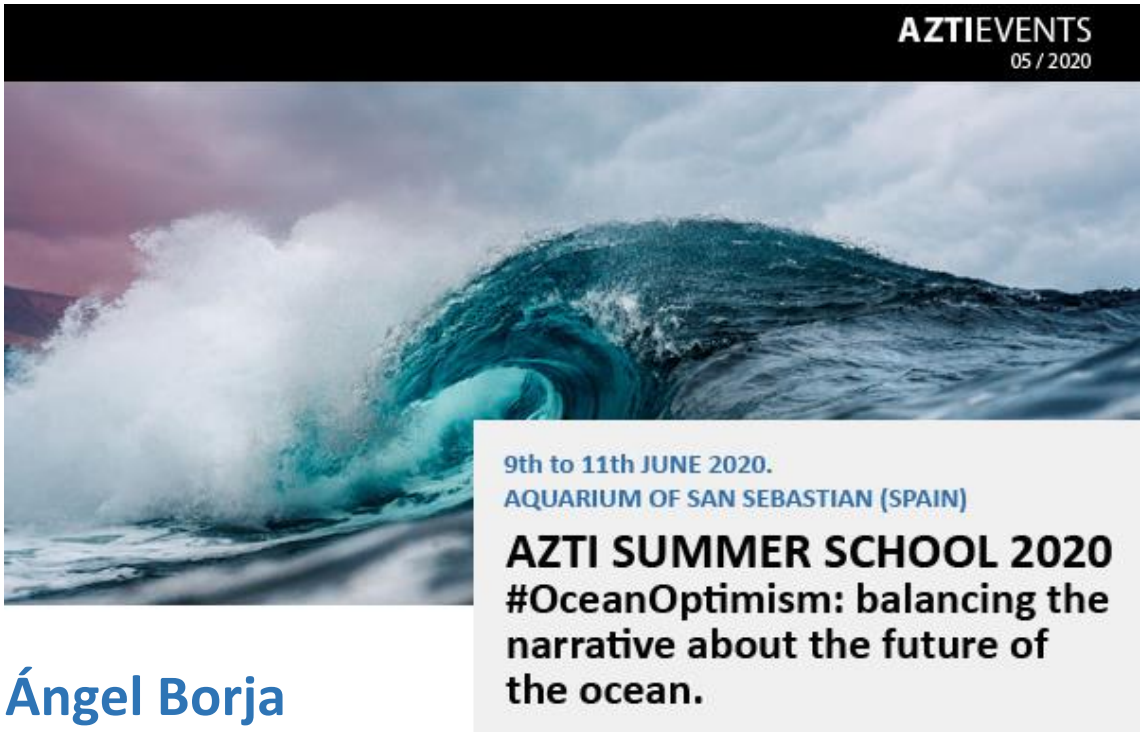


Ángel Borja

AZTI, Spain

SUMMER SCHOOL Director

Angel Borja studied Biology, obtained a PhD in Marine Ecology (University of the Basque Country, 1984) and is Doctor in Sciences (honoris causa) by the University of Hull (UK, 2015). He is Principal Investigator at AZTI, a private non-profit research foundation in Spain, where he has been also Head of the Department of Oceanography and Head of the Marine Environment Area. His main work is making marine ecology research useful for policy-makers and managers, studying the effects of human activities on marine ecosystems, monitoring of marine waters and recovery after impact. This includes developing methodologies to assess the marine status under European directives (i.e. Water Framework Directive; Marine Strategy Framework Directive), being some of these methods used worldwide. He is member of the Scientific Committee of the European Environment Agency (since 2013). He is author of more than 240 peer-reviewed papers (H_{index}: 55), and Highly Cited Researcher 2018 (Clarivate Analytics, Web of Science). Specialty Chief Editor of Frontiers in Marine Ecosystem Ecology, Associated Editor of Continental Shelf Research and Journal of Sea Research, and member of the Editorial Board of Ecological Indicators and Marine Pollution Bulletin. Referee in more than 80 international journals and project evaluation agencies, is member of different advisory boards and scientific associations (ASLO, CERF, ECSA, ESP, SIBECOL), serving as chair in numerous international conferences. He has participated in more than 100 European and international projects, being the coordinator of the EU 7th FP project DEVOTES (DEVelopment Of innovative Tools for understanding marine biodiversity and assessing good Environmental Status). He has been characterized by the continuous dissemination of science and organizer of the AZTI's successful marine summer school since 2004. He was awarded with the SETAC Environment Education Award in 2017.

SUPPORTED BY

Carlos Duarte

KAUST, Saudi Arabia

June 9th 2020 .:. 9:15 – 10:15

How are our seas?

He is the Tarek Ahmed Juffali Research Chair in Red Sea Ecology at the King Abdullah University of Science and Technology (KAUST), in Saudi Arabia. Before this he was Research Professor with the Spanish National Research Council (CSIC) and Director of the Oceans Institute at The University of Western Australia. He also holds an adjunct position at the Arctic Research Center in Aarhus University, Denmark.

Duarte's research focuses on understanding the effects of global change in marine ecosystems and developing nature-based solutions to global challenges, including climate change, and develop evidence-based strategies to rebuild the abundance of marine life by 2050.

He has conducted research across all continents and oceans, spanning most of the marine ecosystem types, from inland to near-shore and the deep sea and from microbes to whales.

He led the Malaspina 2010 Expedition that sailed the world's oceans to examine the impacts of global change on ocean ecosystems and explore their biodiversity. Professor Duarte served as President of the American Society of Limnology and Oceanography between 2007 and 2010.

He has published more than 800 scientific papers a and has been ranked within the top 1% Highly-Cited Scientist by Thompson Reuters in all assessments of this rank. He has received many honors, including the G. Evelyn Hutchinson Award from the American Society of Limnology and Oceanography in 2001, the National Science Award of Spain (2007), and the I. Vernadsky Medal of the European Geophysical Union. the Prix d'Excellence by the International Council for the Exploration of the Seas (ICES, 2011), the Carlo Heip award for excellent in Marine Biodiversity (2018), and the Ramon Margalef Ecology Award (2019), and honorary doctorates from the Université de Québec a Montrèal (Canada) in 2010 and Utrecht University (The Netherlands) in 2012. He has been appointed to the Expert Group supporting the High Level Group, including 12 heads of states, that under the UN is working to propose, by 2020, a pathway towards a Sustainable Ocean Economy.

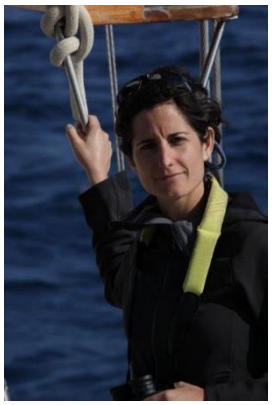
More information: https://en.wikipedia.org/wiki/Carlos_M._Duarte.

Ana Tejedor

European Environment Agency, Denmark

June 9th 2020 .:. 10:15 – 11:00

Status of the Environment in Europe and Marine Messages



She is a Marine Conservation and Policy Implementation Expert. Her pragmatic vision to address complex challenges among stakeholder groups and her cross-policy knowledge has been key to the protection of species and spaces.

She currently works in the European Environment Agency where she develops the European WISE-Marine Information System Platform and developing contacts and cooperation with relevant international organisations and programmes including the SDG14.

Before joining the European Environment Agency, she worked as a Senior Advisor of the Ministry of Agriculture, Food and Environment of the Spanish Government where she provided support for the monitoring and implementation of the international norms for the protection of the marine environment in Spain since 2005. The main tasks include developing public policies for the conservation of marine biodiversity and representing the Spanish delegation at the main forums on conservation and sustainable use of the marine environment (marine groups of the General Assembly of the United Nations, Convention on Biological Diversity, OSPAR Convention, Barcelona Convention, Migratory Species Convention, Environmental Protection Committee of the International Maritime Organization, European Commission Working Groups).

In addition, she has ample fieldwork experience, having worked in countries of Africa, the Americas and Europe, focusing on the design, coordination and implementation and monitoring of projects, capacity development, training and involvement of sectorial stakeholders.

SUPPORTED BY

Prof. Mike Elliott

University of Hull, UK

June 9th 2020 .:. 11:30 – 12:30

Building for the future of marine science and management - the main messages based on the UN World Oceans Assessment II and the International Decade of the Oceans.

June 10th 2020 .:. 10:00 – 11:00

Ecohydrology with Ecoengineering - opportunities for marine, coastal and estuarine remediation linked to the UN Decade of Ecological Restoration.

He is the Professor of Estuarine and Coastal Sciences at the University of Hull, UK and was Director of the former Institute of Estuarine & Coastal Studies (IECS) from 1996-2017.He is also the Director of International Estuarine & Coastal Specialists Ltd. He is a marine biologist with a wide experience and interests and his teaching, research, advisory and consultancy includes estuarine and marine ecology, policy, governance and management. Mike has published widely, co-authoring/co-editing 18 books/proceedings and >295 scientific publications. This includes co-authoring 'The Estuarine Ecosystem: ecology, threats and management' (with DS McLusky, OUP, 2004), 'Ecology of Marine Sediments: science to management' (with JS Gray, OUP, 2009), and 'Estuarine Ecohydrology: an introduction' (with E Wolanski, Elsevier, 2015).

He was an editor and contributor to the 'Coasts and Estuaries: the Future' (Wolanski, Day, Elliott and Ramachandran; Elsevier, 2019) and the Treatise on Estuarine & Coastal Science (Eds.-In-Chief - E Wolanski & DS McLusky, Elsevier). He has advised on many environmental matters for academia, industry, government and statutory bodies worldwide. Mike is a past-President of the international Estuarine & Coastal Sciences Association (ECSA) and is a Co-Editor-in-Chief of the international journal Estuarine, Coastal & Shelf Science; he currently is or has had Adjunct Professor and Research positions at Murdoch University (Perth), Klaipeda University (Lithuania), the University of Palermo (Italy), Xiamen University (China) and the South African Institute for Aquatic Biodiversity. He was awarded Laureate of the Honorary Winberg Medal 2014 of the Russian Hydrobiological Academic Society. He is also a member of many national and international committees linking marine science to policy.

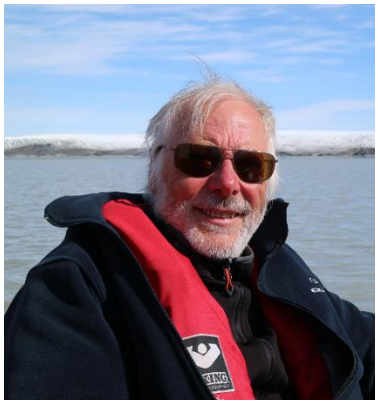
SUPPORTED BY

Patrick Meire,

University of Antwerp, Belgium

June 10th 2020 .:. 11:30 – 12:15

The restauration and recovery of Scheldt estuary.



He studied biology at Ghent University (B) where he also obtained his PhD. For six months (1983), he was a visiting research fellow of the University of Oxford, Department of Zoology. In 1989-1990, he worked one year at the Dutch Delta Institute for hydrobiological Research, one of the research institutes of the Dutch Academy of Science. In 1990, he became senior researcher at the Institute of Nature Conservation, a research Institute of the Flemish Government. Since 1995, he holds the chair for Integrated Water Management at the Institute of Environmental Studies of the University of Antwerp (part-time visiting professor). Since 1999, he is full-time professor at the University of Antwerp, Department of Biology and head of the Ecosystem Management research group.

His research career is focused on the study of the environmental impact of human activities on aquatic and wetland systems and the translation of these insights into concepts for integrated water and ecosystem management. He started his research with a study on the impact of the construction of a storm surge barrier in the Oosterschelde estuary on waterbirds and macrozoobenthos. This work was extended to several research projects studying various water management problems in the large water bodies of the Dutch Delta area, such as eutrophication, water quantity management and ecosystem protection. In the Scheldt estuary, the main focus is directed at studying the impact of different measures to improve the safety against inundations and the effects of dredging. The main focus is understanding the interaction between the habitat structure (geomorphology), hydrodynamics and the ecological functioning (nutrient cycling, productivity, carrying capacity,..). The results of these studies were the basis for the Sigmaplan, the management plan of the Schelde estuary which includes the realization of more than 3500 ha of new tidal habitats and wetlands.

P. Meire has published more than 400 papers and reports of which approximately 250 are cited in the ISI Web of Science (A1&P1 publications); he has an h-index of 41. P. Meire's full publication record can be found at https://www.uantwerpen.be/en/staff/patrick-meire/

Prof. Selina Stead

University of Stirling, UK

June 9th 2020 .:. 12:30 – 13:30

Is there hope for our seas? The #OceanOptimism.

June 11th 2020 .:. 09:00 – 10:00

Solutions for our oceans.

She is Head of the Institute of Aquaculture in the Faculty of Natural Sciences, is also currently the UK Govt Chief Scientific Advisor for Marine Management Organisation, and was Chair of the Scottish Govt Marine Science Advisory Board 2013-2017.

Her research specialises in international sustainable development of seas and oceans, and remains active in field-based academic work in East Africa and the Indian Ocean, publishing widely on marine ecosystems and human interactions.

SUPPORTED BY

Alex Fernández Muerza

Journalist specialized in science and environment, Spain

June 10th 2020 .:. 18:30 – 19:30

PUBLIC OPEN TALK El papel de los medios de comunicación en la transmisión de mensajes positivos sobre los océanos.

June 11th 2020 .:. 10:00 – 11:00

How media can assist scientists in disseminating positive messages.

He is a journalist specialized in science and environment. Collaborator in several media such as Muy Interesante, Radio Euskadi, El País ..., and one of the founders of Ballena Blanca magazine, specialized in environment and economy.

Doctor in Journalism and professor of the Master of Journalism and Scientific Communication of the UNED; and winner of several journalistic awards for some of his articles. Very active in social networks, where he has several thousand followers (On Twitter @ecienciacom).

SUPPORTED BY

Fabian Zimmermann

Institute of Marine Research, Norway

June 10th 2020 .:. 12:15 – 13:00

Is the 'aquacalypse' cancelled? How science-based management enables sustainable fisheries.

He is a researcher at the Institute of Marine Research (IMR), working with stock assessment and management of shellfish stocks such as edible crab, Norway lobster and northern shrimp in Norway.

After studying biology at the University of Berne in Switzerland, he obtained in 2011 a PhD in fisheries biology at the University of Bergen (UiB) in Norway, exploring the biological and economic importance of fish body size for optimal management. During postdoctoral positions at IFREMER in France, and UiB and IMR in Norway, he broadened his research scope to study the key drivers of population dynamics, especially density dependence and recruitment, and their relevance for stock assessment and management. His current research interests include drivers of variability in stock dynamics and how to assess and manage fish stocks when data availability is severely limited, a widespread challenge in global fisheries.