

Summer School – OceanSchool project
June 24-July 5
Nova SBE, Carcavelos, Portugal

Programme

From Monday to Friday: 10.30 – 12.30 and 14.00 – 16.00
Room D-115
(Only June 25, Room D005)

Lunch break: 12.30-14.00
A buffet lunch will be served at
“O pomar do B & C” – outdoor area between blocks B and C

Monday, June 24

The Portuguese Maritime Space in the context of international governance, and sustainable economic development

Nuno Vilhena Lourenço, +Atlantic CoLAB and Ocean Unit at CEIIA, Portugal

Tuesday, June 25

Georeferenced Spatial Data for Fisheries Management

Gonçalo Araújo, Nova SBE, Portugal

Wednesday, June 26

The evolution of fisheries management from open access to catch shares

Linda Nøstbakken, Statistics Norway, Norway

Thursday, June 27

Farming the sea: The case of salmon farming

Linda Nøstbakken, Statistics Norway, Norway

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Friday: June 28

Presentations of companies operating in the blue economy sector.

Monday July 1

Reconstructing past climate variability to learn for the future

Fátima Abrantes, IPMA - Instituto Português do Mar e da Atmosfera, I.P. and CCMAR
– Centro de Investigação do Mar do Algarve, Portugal

Tuesday July 2

Marine Protected Areas: an important tool to manage the ocean.

Jorge Gonçalves, Centre of Marine Sciences of the Algarve (CCMAR), Portugal

Wednesday July 3

Atlantic cod: a short history based on the Portuguese and Norwegian cooperation

Alvaro Garrido, Coimbra University, Portugal

Thursday July 4

Impacts of climate change on the marine biota

Rui Rosa, University of Lisbon, Portugal

Friday July 5

Working groups and closing session

Moderated by: **Antonieta Cunha e Sá**, Nova SBE, Portugal

*We will have a **social dinner on Thursday July, 4th at Azure restaurant**, in the Carcavelos Campus.*

Lecturers' short biography

Nuno Vilhena Lourenço. MsC and PhD in Marine Sciences. President of the board of Directors +Atlantic CoLAB. Business development Manager at CEIIA. He was Vice-President of the Portuguese Institute for the Ocean and Atmosphere. He coordinated the EEA Grants project leading to the acquisition of Mario Ruivo Oceanic Research Vessel. During the 2005–2012 period, he was the R&D Coordinator at the EMEPC Portuguese Task Group for the Extension of the Continental Shelf (EMEPC) in the scope of UNCLOS. Previously he was geophysical consultant at PARTEX E&P, and remains teacher at Algarve University. He participated in 26 deep sea research cruises (seven as PI). He participated in several national and international workgroups and R&DI strategies as an expert in the scope of blue economy in the Atlantic and Med basins (BlueMed, ENM2014-2020). He participated in Seabed Mapping International Working group under the tripartite EU-USA-CAN Atlantic Ocean research Alliance.

Gonçalo Araújo. Marine biologist and data scientist, co-founder of a scallop aquaculture startup and international consultant for fisheries, aquaculture and data science. With over a year hands-on at-sea experience in fisheries observation and data collection for scientific research campaigns, and more than a decade of comprehensive experience in fisheries overall. Coordinated the fisheries observation programs in Portugal for NAFO and ICCAT, worked as a research fellow at CCMAR and IPMA on various commercial and recreational fishing projects. Currently a research fellow at Nova SBE and PhD student at University of Algarve.

Linda Nøstbakken is an economist and the research director of Statistics Norway since May 2020. Prior to that she was deputy rector and professor at the Norwegian School of Economics (NHH). Her research focuses on the use and management of natural resources and the environment, and she has published extensively in international peer-reviewed journals. She was co-editor of the Journal of Environmental Economics and Management (2014-2020), and she has served on a number of government appointed expert commissions. Prior to joining NHH, Nøstbakken spent five years as an assistant professor at the Alberta School of Business, University of Alberta, Canada. She received her PhD degree in economics from NHH in 2005.



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Fátima Abrantes is a paleoceanographer with scientific interests focused on the challenges posed by paleoclimate reconstructions and in promoting the need of a full integration between modern and past-ocean, the multidisciplinary approach that this implies, as well as, the link to climatology in order to better understand and relate atmospheric processes driving modern and past climate signals. Pioneered paleoceanography / paleoclimatology research in Portugal, has participated in the education of more than 30 young researchers, and launched new research areas at the national level. With >150 ISI scientific papers and > 6,000 citations, has also co-edited 2 books, 3 special journals and associated editor for journals Progress in Oceanography and Oceans. Lead the Portuguese participation in European and International projects and has been a member of international scientific and executive committees such as IMAGES, PAGES, IODP, JPIOceans, SCOR and a member of ESF of the LESC core and standing committee.

Jorge Gonçalves. Senior researcher of the Centre of Marine Sciences of the Algarve (CCMAR) and an Invited Professor at the University of Cadiz (UCA-FCMA) and at the University of Algarve (UALG-FCT). PhD on fisheries ecology by the University of Algarve (UALG) in 2000. He is a founder, and member of the board and scientific council of CCMAR. He has more than 30 years of experience in the marine scientific research field linked with fisheries management and marine ecology. He has coordinated more 40 national and international projects associated with fisheries management, habitat mapping, marine spatial planning and marine biodiversity conservation. He published 118 papers in peer review international journals and 4 book chapters and 12 books/manuals about this field of study. His main drive is to contribute to increase the knowledge about marine habitats, improve fisheries management and create more efficient MPAs, leading to healthier oceans.

Alvaro Garrido PhD and Aggregation in Economic and Social History from the University of Coimbra, Faculty of Economics (FEUC). Full Professor since 2019. FEUC's Dean from 2020 to 2024. He has dedicated his academic life to the study of Portuguese and European economic and social history. His research focuses on contemporary maritime history, the history of corporatism and the social economy. Maritime history and the history of fisheries are his favourite research topics, along with the study of the economic and social institutions of the Salazar dictatorship. His publications are gathered in books, scientific articles, book chapters and exhibition catalogue texts. He is the author of two documentary films for the Portuguese public television (RTP) and of several science and culture projects for general audiences. Between 2003 and 2009 he was Director of the Maritime Museum of Ílhavo. His works and academic dissertations have been distinguished with several awards.



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Rui Rosa graduated in Marine Biology by the Faculty of Sciences of the University of Lisbon (FCUL) in 1999 and completed a PhD degree in Biology by the same institution in 2005. Subsequently, Rosa carried out his post-doctoral activities on Ecophysiology and Climate Change at Univ. Rhode Island (USA). Rosa is currently Associate Professor (with Habilitation) in FCUL. He received the two most important Portuguese scientific awards in the field of Marine Biology and others from international Societies (e.g. JEB Awards 2005, 2006). His research aims to understand the impact of climate change in the marine biota, from cells to ecosystems, towards a multidisciplinary and holistic approach. Rosa's team is examining the combined effects of climate change-related stressors (ocean warming, acidification and hypoxia) on ecologically-relevant marine invertebrate and vertebrate groups. The multidisciplinary expertise of the group encompasses several research areas, at different levels of biological organization, including Marine Physiology, Marine Ecology, Comparative Biochemistry, Modelling and Climate Education.