

STRESS

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OCEAN

11 > 12 NOVEMBER 2019

**Stress in the Ocean.
From Multidisciplinary Approaches
to Transdisciplinary Research**

University of Algarve

Gambelas Campus, Green Auditorium, C8
8005-139 Faro

CONFERÊNCIA INTERNACIONAL CIMA

40 Anos da Universidade do Algarve

Stress no Oceano.

De abordagens multidisciplinares à investigação transdisciplinar.

11 > 12 NOVEMBRO 2019

Há 40 anos, a Universidade do Algarve foi fundada e há cerca de duas décadas, o CIMA foi criado. Além disso, em novembro de 1994, a Convenção das Nações Unidas sobre o Direito do Mar (CNUDM) entrou em vigor, marcando 2019 como o 25º aniversário da Convenção.

Durante estas décadas, o CIMA acompanhou as importantes mudanças que se deram na investigação científica ambiental e marinha e que estão hoje a moldar o futuro da ciência, em particular em três áreas principais:

A primeira consiste no relevo atribuído a um conhecimento científico sólido: esta ideia tinha sido já consagrada no preâmbulo da CNUDM, mas foi amplamente reconhecida recentemente, com a adoção da Década da Ciência do Oceano para o Desenvolvimento Sustentável, pelas Nações Unidas, entre 2020 e 2030. Neste âmbito, a relevância central do papel da ciência é um sinal do nosso tempo que devemos encorajar.

A segunda tendência é o aprofundamento da relação entre diferentes áreas, campos do conhecimento e disciplinas. A abordagem holística do oceano pode, mais uma vez, reconduzir-se ao preâmbulo da CNUDM, em que o oceano era considerado como um todo, mas é notavelmente exemplificada pelo Processo Regular das Nações Unidas para o Relatório e Avaliação Globais do Estado do Meio Marinho, incluindo os Aspectos Socioeconómicos (World Ocean Assessment).

Por fim, a crescente consciencialização da necessidade de um vínculo mais forte entre a ciência e a sociedade, destacada em todos os fora nacionais e internacionais relevantes e na agenda dos Objetivos do Desenvolvimento Sustentável (ODS).

Ao olharmos para a evolução do Centro de Investigação Marinha e Ambiental da Universidade do Algarve, devemos enfatizar a sua contribuição para o desenvolvimento de uma ciência sólida no campo da investigação marinha e ambiental. Mas, do mesmo modo, devemos também olhar para as tendências atuais e futuras – o reconhecimento da importância de um conhecimento científico sólido, a natureza holística e multidisciplinar dos assuntos do oceano e o vínculo entre a ciência e a sociedade – e refletir sobre o papel que o CIMA, a Universidade do Algarve e, em última análise, Portugal, poderão desempenhar nas próximas décadas.

CIMA INTERNATIONAL CONFERENCE 40 Years of the University of Algarve

Stress in the Ocean. From multidisciplinary approaches to transdisciplinary research

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Four decades ago the University of Algarve was created and more than two decades ago CIMA was founded. And on November 1994, UNCLOS entered into force, marking 2019 the 25th anniversary of the Convention.

During these decades, CIMA kept up with important changes in environmental and marine scientific research trends that are shaping the future of research following three main tendencies:

The first is the reinforced importance of a solid scientific knowledge: this idea was already enshrined in the Preamble of the United Nations Convention on the Law of the Sea (UNCLOS) but was widely recognized recently, with the adoption of the Decade of Ocean Science for Sustainable Development, by the United Nations, from 2020 to 2030. The pivotal relevance of the role of science is a trademark of our times that we must embrace and address.

The second tendency is the deepening of the relation between areas, fields of knowledge and disciplines. The holistic approach to the ocean can, again, be traced back to the Preamble of the UNCLOS, considering the ocean as a whole, but is remarkably exemplified by the Regular Process for Global Reporting and Assessment of the State of the Marine Environment, including Socioeconomic Aspects (World Ocean Assessment).

Finally, the growing awareness of the need for a stronger link between science and society, underlined in all the relevant national and international fora and in the Sustainable Development Goals (SDG) agenda.

As we look at the evolution of the University of Algarve's Marine and Environmental Research Centre, we must emphasize the contribution to the development of solid science in the field of marine and environmental research. But we shall also look ahead, to the current and future tendencies – the recognition of the importance of a solid scientific knowledge, the holistic and multidisciplinary nature of ocean affairs, and the link between science and society – and we must reflect on the role that CIMA, University of Algarve, and, ultimately, Portugal, can play in the upcoming decades.

PROGRAMME

11 NOVEMBER

DAY 1 CIMA: SCIENCE AND SOCIETY

9.30 > 10.30

Opening of the Conference

Paulo Águas – Rector – University of Algarve

Maria João Bebianno – Director, CIMA/
University of Algarve

Alan Simcock – Joint Coordinator of the Group
of Experts of the World Ocean Assessment,
United Nations

Pedro Valadas Monteiro – Algarve Regional
Director of Agriculture and Fisheries

Rogério Bacalhau – Mayor of Faro

Ricardo Serrão Santos – Minister of the Sea

10.30 > 11.30

The UN World Ocean Assessment

Keynote: [A Conjunction of Crises – the Role of
the World Ocean Assessments](#)

Alan Simcock, Coordinator of the Group of
Experts of World Ocean Assessment, United
Nations

11.15 > 11.45

Coffee break

11.45 > 12.30

Strategic Steps for the Ocean

Moderator: **João Guerreiro**

Oceans: [Urgent Call to Action for Nature and
Social Scientists](#)

Miguel Marques, PriceWaterhouseCoopers
[Science and Governance converges for ocean
Sustainability](#)

Nuno Lourenço, CEiiA

12.30 > 14.00

Lunch break

14:00 > 15:30

World Ocean Assessment: Thematic areas

Moderator: **Luís Menezes Pinheiro**

[Anthropogenic changes in the Ocean and
remediation measures](#)

Maria João Bebianno, CIMA/University of
Algarve

Noise in the Ocean

Sérgio de Jesus, CINTAL/ University of Algarve

Impact of nutrients

Alice Newton, CIMA/ University of Algarve

Deep-Sea Research and sustainable goals

Pedro Madureira, EMEPC

Sustainable biologic exploration

Ana Colaço, OKEANOS/University of Açores

15.30 > 16.30

UNCLOS Anniversary and the UN Decade for Ocean Science – Critical moments ahead

Moderator: **Alice Newton**

[The UN Decade of Science for Sustainable
Development](#)

Luís Menezes Pinheiro, CESAM/University of
Aveiro

The 25th Anniversary of UNCLOS

Maria Inês Gameiro, CIMA/ University of Algarve

[Beyond the Horizon: perspectives on the Law
at Sea](#)

André Beirão, Escola de Guerra Naval do Brasil/
University of Leiden

16.30 > 17.00

Coffee Break

17.00 > 18.30

Bridging knowledges

Moderator: **André Beirão**

[Mission Orientated Atlantic Distributed
Research Networks to Tack Sustainable
Development Goals](#)

José Joaquim Brito, Air Centre

[The Role of CIMA in the Atlantic Ocean/Atlantos
Project](#)

Flávio Martins, CIMA/ University of Algarve

[Transdisciplinary in Ocean Sciences and
Technology: Activities of FCT's Ocean
Programme](#)

Sofia Cordeiro, FCT

[Ocean Color in the Atlantic](#)

Sónia Cristina / Priscila Goela, CIMA/ University
of Algarve

12NOVEMBER

DAY 2 – CIMA: SOCIETY AND SCIENCE

9.30 > 10.30

Societal challenges: Plastics in the ocean

Moderator: **Maria João Bebianno**

Plastics in the Ocean

Renata Fleck, Sciaena

Turn the Tide on Plastic

Ana Agostinho, Mirpuri Foundation

10.30 > 11.00

Coffee break

11.00 > 12.00

Society and Science: Where next?

Moderator: **Cristina Veiga-Pires**

Protect the Oceans – Conservation and Sustainable Use

Carlos Martins Andrade, Galp

“Are you committed to share your wisdom dear scientist?”

– From a dedicated Media point of view

Cristina Rocha Antunes

12.00 > 13.30

Societal challenges: Scientific literacy?

Moderator: **Ana Matias**

Revisionism, Denialism and Negationism on ocean science. Is Responsible Research and Innovation (RRI) up to the challenge?

Sérgio Bryton & Tiago Garcia, Eurocean

From Scientific literacy to Science co-creation

Cristina Veiga-Pires, Centro Ciência Viva do

Algarve

13.30 > 14.30

Lunch break

14.30 > 15.30

Societal challenges: Tourism

Moderator: **Fernando Perna**

Is Nautical tourism under stress?

Martinho Fortunato, Marina de Lagos

Marina de Albufeira – Environmental Sustainability

José Massapina, Marina de Albufeira

15.30 > 16.00

Closing of the Conference

Maria João Bebianno – Director, CIMA/
University of Algarve

José Marques – Estrutura de Missão para as
Comemorações do V Centenário da Circum-
Navegação de Fernão de Magalhães

SPEAKERS

Alan Simcock

Joint Coordinator of the Group of Experts of the World Ocean Assessment, United Nations

Since 2009, Alan Simcock has been Joint Coordinator of the United Nations Group of Experts for the global integrated assessment of the ocean. He was born in Plymouth, England, in 1943 and educated there and at Oxford University. From 1965, he worked on a variety of issues in the United Kingdom Department of the Environment. He also served as Private Secretary to successive UK Prime Ministers from 1969 to 1972. From 1991 to 2001, he was head of the Marine Environment Division of the DOE. In addition, he was Chairman of the OSPAR Commission for the Protection of the Marine Environment of the North-East Atlantic from 1996 to 2000, and Co-Chair of the UN Informal Consultative Process on the Oceans and Law of the Sea (UNICPOLOS) in 2000, 2001 and 2002. From 2001 to 2006, he was Executive Secretary of the OSPAR Commission.

Alice Newton

CIMA/University of Algarve

Alice Newton (PhD, MSc) is a Professor lecturing in coastal lagoons, coastal eutrophication, coastal management, marine management and environmental policy. She is the coordinator of the Erasmus Mundus Master in Water and Coastal Management. Alice has 35 years of research experience in oceanography, water, coastal and marine management and was the chairperson of LOICZ (Land Ocean Interactions in the Coastal Zone, now Future Earth Coasts). She has participated in numerous national and European research projects and currently leads a work package in the DEVOTES project. She has published more than 70 articles in SCI indexed peer reviewed journals, has supervised 17 PhD thesis and 53 MSc theses.

Ana Agostinho

Mirpuri Foundation

Ana Agostinho – Head of Public Relations & Media of Mirpuri Foundation. University of Cambridge Business Sustainability Management, 2019. Universidade Nova de Lisboa, Ciências da Comunicação, Faculdade de Letras, Curso Livre Literatura Portuguesa Contemporânea 2003 – 2004.

Ana Colaço

OKEANOS/Univerity of Açores

Ana Colaço is a deep-sea ecologist, specialized on hydrothermal vent ecosystems, the trophic ecology of deep-sea systems, benthic ecology, biodiversity, ecosystem functioning and conservation. The focus of her research has been the trophic ecology, ecosystem function of deep-sea habitats, especially hydrothermal vents and seamounts. Her research activities have three major goals: 1) understand how ecosystems are interconnected either from the trophic point of view, either from the larvae point of view. 2) understanding the existing impacts and future impacts on deep-sea ecosystems, specially the potential mining impacts, fisheries and climate ones; 3) how to use

permanent fix observatories to study the changing deep-sea and to contribute to the establishment of deep-sea essential biological variables that can be used to monitor the environmental status of the ocean. She is also interested in defining ecotones (areas where different habitats overlap), by using functional trait approach. She has been engaged on the promotion and installation of Observatories in the deep-seafloor for the study of the marine environment; all these aspects will feed the ultimate interest which is Conservation, more precisely the sustainable use of the deep-sea environment. She is a member of the Working Group of Deep-sea ecology from ICES, member of the I-MOVE Integrating Multidisciplinary Observations in Vent Environments from InterRidge, a member of the FCT science council for Natural Sciences and an expert member for the regular process of the World Ocean Assessment from the United Nations.

André Beirão

Escola de Guerra Naval do Brasil/University of Leiden

PhD in Law (UERJ), Master's in Political Science (UFRJ), Master's in Naval Sciences (Brazilian Naval War College – EGN). Captain (Rtd) at Brazilian Navy. Former Deputy Coordinator of CAPES of Political Science and International Relations for Professional Programs – 2014–2018. Professor of the Postgraduate Program in Maritime Studies (Master and Doctorate), Visiting Professor at the University of Leiden (Netherlands), Fellow Researcher at University of Lisbon (Portugal). Head of the Maritime Policy Observatory (CAPES / MD) – EGN / UNB / UFCE / FURG. Awarded as the best Doctoral Dissertation about National Defense (MD – 2012–2014). Author of several papers, such as the books "Reflections on the United Nations Convention on the Law of the Sea" and "The Value of the Sea".

Carlos Martins Andrade

Galp

Experiencing more than twenty years in the gas business development in Portugal and Spain, Carlos Martins Andrade was responsible for Galp Energia Innovation Research & Technology area since April 2014 until June 2019. Holding a Mechanical Engineering degree from the Universidad Simón Bolívar in Venezuela and an MBA from Instituto de Empresa in Madrid, Spain, he started his career in the gas industry as Project Manager in a Spanish Engineering Company in 1992. Later, in 1998, he joined Lusitaniagás, a Portuguese Regional Distribution Company, as Technical Manager and in 2001 he was appointed as Technical Manager for Galp Energia natural gas distribution assets. In 2007, he was nominated Chairman of the Board of three Portuguese Local Distribution Companies owned by Galp Energia. In 2009 he moved to the E&P area and was responsible for the LNG Projects.

SPEAKERS

Cristina Rocha Antunes

Experienced executive producer with a proven track record of working in the media/tv industry. Collaboration in television channels and Independent Producers. Cristina is taking her first steps as director of her own company. As a content producer, she assumes herself as an agent of change and wants to draw attention to topics such as the Sea, Nature, issues of Gender Equality and Climate Change. The United Nations Agenda 2030 is present in all the work. The first projects will be documentary/factual in close collaboration with experts and ambition to contribute to impact behavior. The credibility of the projects will always be consolidated with the partnerships (in co-production inclusive) that are worthless at each stage. Later the approach will also go through fiction.

Cristina Veiga-Pires

Centro Ciência Viva do Algarve

Born in France, she graduated in Geology from Université Paris-XI Orsay, France, and obtained a doctorate in Environmental Sciences, in isotopic geochemistry, at the Université du Québec in Montreal, Canada. She is Assistant Professor with tenure since 2005, teaching in the Department of Earth, Marine and Environmental Sciences, Faculty of Science and Technology at the University of Algarve. In December 2014, she assumed the position of Executive Director of the Science Centre of the Algarve, in Faro, where she is promoting a Participatory Science project for the coastal management. She was Sub-Director of the Faculty of Science and Technology, from 2009 to 2012 and President of the Pedagogic Council of the Faculty of Marine and the Environment Sciences in 2002-2003. She participates in research project in the fields of paleoceanography and paleoclimatology, sedimentology, submarine groundwater discharges and karst systems, with several works published in specialized journals as well as in Congress proceedings and book chapters. She supervised masters and doctoral theses and coordinated and participated in several research projects. She also organized and chaired scientific cafes entitled "Café Oceano" for nearly a decade and collaborated on numerous Science popularization initiatives.

Flávio Martins

CIMA/ University of Algarve

Flávio Martins is Professor Coordenador at the engineering school of University of Algarve. Is presently Vice-director of the CIMA Research Centre and was formerly Vice-director of the University of Algarve. He develops research and consultant activities in hydrodynamics, water quality and ecological modelling. The study domains range from coastal and estuarine to riverine, natural and artificial reservoirs. The focus of his research is on Mathematical Modelling and on information systems. The main tool used is the MOHID modelling system, an integrated model developed by the MARETEC group with contribution from the University of Algarve. Main topics are: hydrodynamics of estuarine, coastal and oceanic regions; sediment transport; water quality; ecology; river basin processes. He has more than 25 years of experience in research and consultant activities.

Recently he has been involved and coordinating locally more than 10 international projects, has 30 papers in peer review scientific journals and more than 60 articles in scientific conferences.

José Joaquín Brito,

Air Centre

José Joaquín Hernández Brito holds a Ph.D. in Chemistry (1986) by the University of La Laguna. He is Senior Lecture at the Faculty of Marine Sciences of the University of Las Palmas de Gran Canaria since 1983. He has been a marine science researcher involved on over 40 national and international projects. He has held several R&D management positions at the University of Las Palmas de Gran Canaria, such as Dean of the Faculty of Marine Science, Director of the Research Results Transfer Office (TTO), Director of the Scientific and Technological Park, and Research Vice-Rector. He has also held the positions of Director of the Canary Institute of Marine Science, Manager at the large research infrastructure PLOCAN (Oceanic Platform of the Canary Islands) and actually he is serving as CEO of the AIR CENTRE-Atlantic International Research Centre. He is also a member of the Steering Committee of ETIPOCEN (The European Technology and Innovation Platform for Ocean Energy funded by the European Commission to define research and innovation priorities for the ocean energy sector and promote solutions to the industry, European and national policy makers), Ocean Energy Europe and APPA-Marina

José Marques

Estrutura de Missão para as Comemorações do V Centenário da Circum-Navegação de Fernão de Magalhães

José Massapina

Marina de Albufeira

Academic degree: Graduation in Physical Education and Sports with speciality in sports management, training and high performance. Other courses: AMM – Advanced Marina Management by the British Marine Institute; CMM – Certified Marina Manager by the Global Marina Institute; Coastal Yacht Master Licence; Sailing Coach – Second Degree by the FPV and Portuguese Sports and Youth Institute. Languages: English; French; Spanish and Portuguese. Responsibilities in Sailing Sports: Former Vice President of the Portuguese Sailing Federation; Former President of the 420 Portuguese Class Association; Former Vice President of the Optimist Portuguese Class Association; Former Member of the Development and Youth Committee of the ISAF – International Sailing Federation; Former Vice President and after Sports Director and also Sailing Coach of Club Náutico de Tavira. Currently, since 2004, Vice President of the International 420 Class Association and Development Officer. Others: Former Council Man of Tavira Municipality (2001 to 2005). Awards: 2006 – Municipality of Tavira Silver Medal of Merit. Distinguished as Professional of the Year 2018 by the Rotary Tavira Club.

SPEAKERS

Luís Menezes Pinheiro

CESAM/University of Aveiro

Associate Professor in Geology and Marine Geophysics, Department of Geosciences, and Researcher at the Center for Environmental and Sea Studies, University of Aveiro. PhD in Marine Geophysics, Imperial College, London. President of the Portuguese Committee for the UNESCO Intergovernmental Oceanographic Commission, National Delegate and Member of the IOC / UNESCO Executive Council. Chairman of the Marine Geosciences Committee of the Scientific Commission for the Mediterranean (CIESM). Effective Member of the Navy Academy and member of the Geography Society. He was Director of the Marine Geology Department of the Geological and Mining Institute and National Delegate to the ECORD Council (European Consortium for Ocean Research Drilling). He has been conducting research in marine geology and geophysics since 1985. He has coordinated / participated in a large number of national and European research projects and participated / coordinated about 50 cruises and scientific campaigns (29 national and 21 international), including a submersible diving campaign (4180 m) and a deep ocean drilling campaign (ODP). Author / co-author of over 60 articles in international Citation Index journals and over 250 publications.

Maria Inês Gameiro

CIMA/University of Algarve

Researcher at CIMA – Centre for Marine and Environmental Research, University of Algarve. Guest Professor at Law School – NOVA University of Lisbon and ISCTE–Lisbon University Institute. PhD at Law School – New University of Lisbon. She also holds a M.A. in Political Sciences (Catholic University) and a Law degree (Law School – University of Lisbon). Her main research interest is how new developments in science and technology are generating tensions in law and public policy. Specifically, her research focuses on law of the sea, food law and the conflicts between the new technological developments and fundamental rights.

Maria João Bebianno

Director, CIMA/ University of Algarve

Professor Maria Bebianno is a full professor at the University of Algarve with great experience in marine contamination and ecotoxicology. She integrated the Portuguese delegation to the United Nations Convention on the Law of the Sea and is currently a member of the Group of Experts on the Regular Process for the Evaluation of the State of the Marine Environment including the Socio-Economic Aspects of the United Nations. She was a member of the Portuguese Delegation to the Oslo Convention and Paris Convention (now called OSPAR), the Barcelona Convention, the International Council for the Exploration of the Sea (ICES) and the UNESCO Intergovernmental Oceanographic Commission (IOC). She is presently director of the Research Centre for Marine and Environmental Research (CIMA).

Martinho Fortunato

Marina de Lagos

Martinho Fortunato is 45 years old. He is an Engineer with an MBA in General Management and a Post-graduation in Golf Course Management. He is a CMM (Certified Marina Manager) since May 2005, after he finished the Advanced Marina Management School. He is CEO of Marlagos, SA the company owner of Marina de Lagos, in Algarve – Portugal (462 berth). He started as manager of the Marina in May 2000 and during these years, he has managed the marina, the commercial area around the marina and the construction, opening and management of a 4* Hotel Development in the Marina (Marina Club Suite Hotel – 140 rooms, SPA and restaurant). He was the CEO of Centro Náutico de Algés – The Lisbon Boatyard, a 6 hectares boatyard in Lisbon. He was CFO and founder of the hotel management company Unlock Boutique Hotels. He was also member of the Board of Directors of the Holding company (MSF- Tur.Im, SGPS). The MSF Group has other Tourism and Real Estate developments in Portugal and abroad. He was the President of the Portuguese Marina and Ports Association (APPR) during 6 years, and serves now as Vice President. He is the Commodore of the Lagos Sailing Club. He is also member of the board of IMCI (International Marine Certification Institute) and Chairman of the ICOMIA (International Council Of Marine Industry Associations) Marina's Group. Martinho has also been invited to speak at several tourism and nautical conferences and seminars around the world.

Miguel Marques

PriceWaterhouseCoopers

Miguel Marques, as PwC Partner, leads the PwC's Blue Economy Global Center of Excellence, which is focused on blue growth, the promotion of economic development, creation of new jobs and protection of the environment, through ocean industries like shipping, ports, shipbuilding and other industries. He's particularly focused on family businesses related to sea activities, as they have the perfect "patient capital" profile to invest in blue businesses that develop over a longer period of time. A subject matter expert on the blue economy, Miguel is author of several books and more than 70 economy of the sea reports and studies (e.g. HELM – PwC Economy of the Sea Barometer World) and regularly speaks at conferences (UN, EU, WB...) and other events, attends meetings with shareholders, boards of directors, and senior management, around the world, sharing insights and best practices. He is regularly invited as keynote speaker in relevant international blue economy forums and has also been featured in a number of reputable journals and newspapers. Miguel Marques has a degree in Economics from Porto University (Porto – Portugal), has a Post-graduation in Real-estate Management from Porto Business School (Porto – Portugal), has an Executive Course in Leadership from Lisbon Catholic University (Lisbon – Portugal), has Executive Courses in Family Business from INSEAD (Fontainebleau – France) and from Kellogg Northwestern University (Chicago – EUA) and is Chartered Accountant. He is member of several advisory boards of entities related to the ocean. Miguel Marques has already visited and interviewed blue economy leaders in more than 40 coastal countries in the world to understand their status and best practices in the Blue Economy.

SPEAKERS

Nuno Lourenço

CEiiA

Nuno Lourenço is the President at +Atlantic CoLAB and Manager at CEiiA. CEiiA // Centre of Engineering and Product Development Manager. He holds a PhD in Marine Science from the University of Algarve, where he was an Assistant Professor from 1999 through 2018. He was a member of the Board of Directors of IPMA – Instituto Português do Mar e da Atmosfera from 2012 to 2019. He was also the EMEPC – Task Group for the Extension of the Continental Shelf R&D Coordinator from 2005 to 2012, and Consultant at Partex – Geophysical Consultant (1997–1998). He participated in 24 oceanographic campaigns in the deep sea. He is author and co-author of several scientific publications.

Pedro Madureira – EMEPC

Pedro Madureira is a geologist with a PhD in geochemistry and petrology. Assistant Professor at the University of Évora he became the Deputy Head of the task group for the extension of the continental shelf (EMEPC) in 2012. He was the chief scientist of several oceanographic cruises promoted by the EMEPC in the North Atlantic from 2008 to 2015. He has been studying the extended Portuguese continental shelf, particularly on the mantle source(s) feeding the volcanic islands and seamounts and also on the characterization of marine mineral resources. He is also a member of the Legal and Technical Commission of the International Seabed Authority since 2012.

Priscila Goela

CIMA/ University of Algarve

With a background in chemistry, and PhD in Marine and Coastal Management, Priscila Costa Goela has been scientifically involved in the fields of phytoplankton dynamics and water quality in coastal and marine waters in the Southwestern Coast of Portugal. She has focused her research on the study of the phytoplankton communities biodiversity using remote sensing and chemotaxonomic methods, which has resulted in several peer-reviewed publications and conference presentations. She has been involved in several national and international projects in two main areas: European water policy and validation of remote sensing data, supported by recognized national and international institutions such as National Water Institute and European Space Agency.

Renata Fleck

Sciaena

Marine Biologist focuses on marine and coastal management, graduated with a bachelor at the Federal University of Rio Grande do Sul – Brazil. While in Brazil worked in the Brazilian Environmental Agency in the coastal region of Rio Grande do Sul, while carrying out volunteer actions such as environmental education and cleanups. Hold a master's degree in aquaculture and fisheries, from the University of Algarve with research at HCMR – Hellenic Centre For Marine Research- Crete. Work with science education and environment education at Centro de Ciência Viva – Algarve and collaborate with the NGO Sciaena since 2016, recent work for Sciaena directly with marine plastic pollution in the implementation of the SUP directive in Portugal.

Sérgio de Jesus

CINTAL/ University of Algarve

Sérgio M. Jesus received the "Doctorat Es-Sciences" in Engineering Sciences from the Université de Nice, France in 1986. From 1986 to 1992 he was a staff scientist at the SACLANT Undersea Research Centre, La Spezia, Italy, in the Ambient Noise and Signal Processing Groups. During that period, he was involved with underwater acoustic field noise directionality and early studies on target detection using matched field processing. In 1992 he joined the Electrical Engineering and Computer Department at the University of Algarve, Faro, Portugal where he is currently full professor. His interests are underwater acoustics signal processing, model-based inversion, ocean and seafloor tomography, ocean noise, ocean bioacoustics and underwater communications. He is the author or co-author of over 200 scientific publications including journal papers and proceedings. He is member of IEEE, EURASIP and of the Acoustical Society of America.

Sofia Cordeiro

FCT

Sofia Cordeiro, PhD is the Coordinator of the Ocean Programme of the Portuguese Foundation for Science and Technology (FCT) since 2016, where she maximises the dialogue among the different scientific communities that are part of the ocean transdisciplinary area and supports the participation of Portugal and/or FCT in European and international organizations associated with ocean issues (JPI Oceans, EMB, ECORD/IODP, OECD Ocean Economy and Innovation Working Group). Sofia is currently deeply involved in science diplomacy activities in the Atlantic basin, being the coordinator of the H2020 project AANChOR CSA aimed at supporting the implementation of the Belém Statement. Previously Sofia was Science Officer at the EurOcean (2010–2016) and an IOI Alumni on the "8th Training Programme on Regional Ocean Governance for the Mediterranean, Black, Baltic and Caspian Seas" course (2012).

Sónia Cristina

CIMA/ University of Algarve

Sónia Cristina has worked in the optical properties of the coastal and oceanic waters in southwestern Europe. She has focused on the study of the validation of remote sensing data retrieved by MERIS and OLCI ocean colour sensors, on the link between the bio-optical data and remote sensing data, on the use of remote sensing data for classification of water policies implementation and on the analysis of the seasonal and interannual variability of satellite products and its interaction in and with coastal and oceanic waters. She has contributed, to an effective assessment of the remote sensing data in the way to identify which are the most appropriate and accurate remote sensing products, to be used as effective indicators for the monitoring coastal and oceanic waters.

SPEAKERS

Tiago Garcia

Eurocean

Tiago Garcia began a research career on coastal dynamics, coastal hazards and coastal zone management in 2001 at CIMA, in the University of Algarve, Portugal. After a brief experience on water management at regional governmental level, in 2007 he started developing and testing innovative methods to promote effective interaction between science, governance and society within the scope of large European projects. In 2009, he entered the private sector by joining a coastal engineering consultancy based in Barcelona, Spain. His experience in science communication got a decisive push after joining the Portuguese National Laboratory for Civil Engineering, in 2015. He then joined EurOcean in September 2016 as a Science and Communication Officer where he also acts as Project Manager of numerous European projects, including the only H2020 project dedicated to the implementation of Responsible Research and Innovation on marine issues. Tiago has a degree in Environmental Engineering (specialization in Coastal Zone Management) and an MSc in Marine and Coastal Sciences. An ocean lover, he spends a good part of his free time riding waves, photographing coastal landscapes and cleaning beaches.

CIMA

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40 anos a criar futuro