

Implementing the UN 2030 Agenda

What role for marine science? 6 December 2017, Brussels



Speaker and Panellist Biographies



Mr João Aguiar Machado, Director General of the European Commission's Directorate-General for Maritime Affairs and Fisheries.

Mr Aguiar Machado is in charge of implementing the new Common Fisheries Policy and securing sustainable fisheries, a stable supply of seafood for EU market and also prosperous coastal communities. As the Director General in charge of Maritime Policy, his mission is also to promote an integrated approach to all maritime policies. Before taking up his current position, Mr Aguiar Machado was Director General at the European Commission's Directorate-General for Mobility and Transport. He was responsible for developing transport policies for the European Union, integrating citizen's needs, environmental policy and competitiveness. Previously, Mr Aguiar Machado was Deputy Director General at the European Commission's Directorate-General for Trade, and Deputy Director-General at the EC's Directorate-General for External Relations. Mr Aguiar Machado has spent most of his career working on trade matters in Brussels and in EC Delegations in both Tokyo, Japan (1989 – 1994), and Geneva, Switzerland (WTO, 1994 – 1998). Mr Aguiar Machado studied economics both in Lisbon and at the College of Europe in Bruges.

Professor Dr Joyeeta Gupta, University of Amsterdam and (UNESCO) IHE Institute for Water Education.

Professor Dr Gupta is co-chair of UN Environment's Global Environmental Outlook (2016-2019). She is Professor of Environment and Development in the Global South at the Amsterdam Institute for Social Science Research of the University of Amsterdam and (UNESCO) IHE Institute for Water Education in Delft. She is editor-in-chief of International Environmental Agreements: Politics, Law and Economics and is on the editorial board of several academic journals. She was lead author in the Intergovernmental Panel on Climate Change which won the 2007 Nobel Peace Prize with Al Gore and of the Millennium Ecosystem Assessment which won the Zayed Second Prize. She is on the scientific steering committees of international programmes including the Steering Committee of the Global Agricultural Research Partnership (CGIAR) research programme on Forests, Trees and Agroforestry; and Future Earth's Earth System



Governance. At European level, she is a member of Science Europe's Scientific Committee for the Sciences and of the Joint Programming Initiative - Climate Transdisciplinary Advisory Board in Brussels. She is also on the Supervisory Board Oxfam Novib and the Royal Tropical Institute in Amsterdam. She is Vice-chair of the Commission on Development Cooperation and member of the Dutch Advisory Council on International Affairs.



Dr Vladimir Ryabinin, International Oceanographic Commission of UNESCO.

Dr Ryabinin is an oceanographer, a climatologist and a marine engineer. He is a graduate of the Oceanographic Faculty of the then (1978) Leningrad Hydrometeorological Institute. He holds PhD (1982) and Doctor of Sciences (1995) degrees in physics and mathematics. He has worked as a postdoc, junior and senior scientist, and head of laboratory at the Hydrometcentre of Russia and has also served as principal researcher in two European Commission projects executed from Malta, Executive Director of the International Ocean Institute, and Senior Scientific Officer of the World Climate Research Programme (WCRP) at WMO. The scope of his research has included studies of turbulence in stratified fluids, analytical research on the ocean thermocline and its variability, creation of the first Soviet system for medium-range weather prediction, parameterizations of physical processes in global circulation models, numerical schemes in fluid dynamics, studies of bottom ice gouging in the Russian Arctic, a number of shelf engineering projects, development of a marine meteorological prediction system in Russia, and authoring of a third generation wind-wave model. He participated in the development of the Russian Federal Program "World Ocean", supervised national marine forecasting research in Russia, contributed to the initial design of the Global Ocean Observing System (GOOS), JCOMM, International Polar Year, and a number of initiatives such as some grand science challenges of WCRP, International Polar Partnership Initiative, etc. He has also provided international coordination to WCRP climate research activities related to cryosphere, polar regions, ocean, sea-level rise, stratosphere, atmospheric chemistry, and climate services.

Professor Dr Luis Valdés Santurio, Instituto Español de Oceanografía.

Professor Dr Valdés Santurio was the Head of Ocean Sciences at the Intergovernmental Oceanographic Commission of UNESCO during the last 7 years (from 2009-2015), and was also formerly (2000-2008) the Director of the Centro Oceanográfico de Gijón – Instituto Español de Oceanografía (CO Gijón-IEO). With more than 33 years of experience in marine research and field studies related with marine ecology and climate change, he established in 1990 the time series programme based on ocean sampling sites and marine observatories which is maintained by Spain in the North Atlantic. He has significant experience in science management and has advised various governmental, intergovernmental and international organizations as well as research funding agencies. He also served as Spanish Delegate in the IOC-UNESCO and in ICES where he chaired different Working Groups and Committees including the Oceanographic Committee. At the IOC



he has coordinated the Global Ocean Science Report "The current status of Ocean Science around the World", which was launched in June 2017 in New York and Paris.



Professor Dr Martin Visbeck, GEOMAR.

Professor Dr Visbeck has served and is serving on several national and international advisory committees. Currently he is the co-chair of the World Climate Research Programs Project CLIVAR (Climate Variability and Predictability), which facilitates global climate research in the atmosphere and ocean. He was the chair of the organizing committee of the World Meteorological Organization's Third World Climate Conference in 2009, which called for the development of the Global Framework for Climate Services (GFCS). He is a member of the German National Committee for Global Change Research, the German Research Foundations (DFG) Senatskommission for Oceanography, and is Speaker of the Kiel Research Cluster 'The Future Ocean' supported by the German Excellence initiative. He received his PhD from Kiel University in Physical Oceanography in 1993. He was awarded a two year NOAA global and climate change postdoctoral fellowship at MIT, Cambridge USA. Between 1995 and 2004 he held a position as Research Scientist at Lamont-Doherty Earth Observatory and Associate Professor at Columbia University, New York, where he worked on the ocean's role in the climate system with a focus on the North Atlantic Oscillation and Deep Water formation off Antarctica. Since October 2004 he holds the chair in Physical Oceanography at the Leibniz Institute of Marine Sciences (IFM-GEOMAR) at the University in Kiel, Germany.

Dr Seline Trevisanut, Utrecht University.

Dr Trevisanut (PhD, University of Milan; MA, University Paris 1 Sorbonne) is Associate Professor of International Law at Utrecht University School of Law and Senior Research Associate at the Netherlands Institute for the Law of the Sea (NILOS). She is currently Principal Investigator of the ERC Starting Grant Project 'Accommodating New Interests at Sea: Legal Tools for Sustainable Ocean Governance' (SustainableOcean, 2015-2020). Before joining Utrecht University in 2012, she taught courses and conducted research in various institutions, particularly at Columbia University, at the European University Institute, at the Max Planck Institute for Comparative Public Law and International Law, at the National University of Singapore, and at UC Berkeley School of Law. Her publications include *inter alia* edited volumes on Foreign Investment, International Law and Common Concerns (Routledge 2014), and on Energy from the Sea: An International Law Perspective on Ocean Energy (Brill 2015), and a forthcoming monograph on The International Law of Offshore Installations: Through Fragmentation Towards Better Governance (Cambridge Studies of International and Comparative Law 2018).



Dr Samantha Burgess, World Wildlife Fund.

Dr Burgess is head of marine policy for WWF in Europe. She has worked as a science policy adviser, consultant and researcher in Belgium, United Kingdom, Australia and New Zealand. Throughout her career, she has been involved in a range of multidisciplinary projects and science policy regulatory bodies in support of marine research, conservation, sustainable development of marine and coastal environments and evidence informed policy frameworks. Her focus has been to work at the interface between science and policy, combining her broad expertise in marine and climate sciences with knowledge of ocean governance landscapes in Europe and globally. Burgess holds a PhD in marine geochemistry from the Australian National University and has worked in a range of different ecosystems from hydrothermal vents on the high seas to tropical coral reefs, temperate seagrass and Antarctic benthic systems.



Ms Lauren Weatherdon, United Nations Environment Programme – World Conservation Monitoring Centre.

Ms Weatherdon is an interdisciplinary marine scientist who has worked at the international science-policy interface for more than six years, specialising in fisheries management, spatial ecology, and climate change impacts and adaptation. At UNEP-WCMC, she manages and provides technical, scientific and communications expertise to a range of projects centred on marine biodiversity, ecosystem services and natural capital. As part of this role, she curates and streamlines access to marine and coastal data to support decision-making and tracking of progress towards global targets, such as the Sustainable Development Goals (e.g. *The Ocean and Us*: <http://wcmc.io/OceanAndUs>; the Ocean Data Viewer: <http://wcmc.io/ODV>). Through its role as the biodiversity arm of UN Environment, UNEP-WCMC seeks to disseminate and develop capacity to make use of knowledge on biodiversity and ecosystem services. As one of its six thematic priorities, UNEP-WCMC focuses on supporting the transition to a healthy ocean, including through the development of recommendations with regards to international ocean governance in areas within and beyond national jurisdiction. UNEP-WCMC also hosts the Biodiversity Indicators Partnership Secretariat, which is a global initiative promoting the development and delivery of biodiversity indicators that align with the Convention on Biological Diversity and other biodiversity-related international Conventions and processes.

Mr Iván Lopéz, Europêche.

Mr Lopéz majored in International Affairs and Economics at Vesalius College, Belgium. Since then he has developed his career in Fisheries and managed fishing companies in Argentina, Namibia and Spain. He is a member of the boards of the Vigo Cooperative (ARVI), the Spanish National Association (CEPESCA) as well of the Europêche General Assembly. He also serves on the MSC stakeholder committee. Since 2016, he has served as the chair of the Long Distance Advisory Council's (LDAC) ExCom as well as the Chair of its Working Group on North Atlantic Regional Fisheries Management Organisations (RFMOs) and Agreements. He is Director General of Pesquera Ancora SL, based in Spain.



Dr Ana Teresa Caetano, European Commission Directorate-General for Research and Innovation.

Ms Caetano works in the European Commission DG Research and Innovation (Brussels). She holds a Master of Sciences in Biotechnology and a PhD in Chemical Engineering obtained at the Technical University of Lisbon School of Engineering. She was previously a research assistant at the National Laboratory of Engineering and Industrial Technology in the Department of Renewable Energies and a fellow at the Joint Research Centre's Environment Institute. She joined the European Commission in 2001 as Scientific Officer in the Directorate-General for Enterprise. Later she moved to the European Maritime Safety Agency as head of the Research & Innovation sector. She is currently Policy officer in the Directorate-General for Research and Innovation, Marine Resources Unit, dealing with the implementation of EU programmes in the field of marine research and innovation.

Dr Maria Hadjimichael, University of Cyprus.

Dr Hadjimichael is a Research Fellow at the University of Cyprus and the vice-chair of the European funded COST Action OceanGov (Ocean Governance for Sustainability - Challenges, Options and the Role of Science). She has an interdisciplinary background (BSc Natural Environmental Sciences, University of Sheffield & MSc in Marine Environmental Protection, Bangor University) and a PhD in Fisheries Governance from Bangor University with a thesis titled 'The Human Dimension of the European Fisheries Governance: The North/South Divide' (2011). She has already completed a blue book stage internship with DG MARE (2011-12) and a postdoc with the Innovative Fisheries Management institute in Aalborg University, Denmark, during which she led and took part in a number of interdisciplinary ocean governance FP7 projects (MYFISH, ODEMM, SOCIOEC, VECTORS, GAP2). Her current work is on the political ecology of ocean and commons governance and focuses on understanding and theorizing on how the Law of the Sea is used to shift and shrink the idea of the sea as a commons, through the delineation of Exclusive Economic Zones and the creation of Islands.



Professor Dr Murray Roberts, University of Edinburgh.

Professor Dr Roberts is a Professor of Marine Biology at the University of Edinburgh's School of Geosciences. He leads the Changing Oceans research group and co-ordinates the European ATLAS project, a 4-year, €9.3M European project to create a Trans-Atlantic assessment and deep-water ecosystem-based spatial management plan for Europe. His previous roles include Reader and then Professor of Marine Biology and Director of the Centre for Marine Biodiversity & Biotechnology at Heriot-Watt University in Edinburgh (2009-16) where he co-ordinated the development of the Lyell Centre (2012-15). Before working in Edinburgh he was based at the Scottish Association for Marine Science (1997-2009) with a period as Marie Curie Fellow at the Center for Marine Science, University North Carolina Wilmington in the USA (2007-09). He studied Biology at the University of York before completing a PhD at the University of Glasgow examining nitrogen cycling in the *Anemonia viridis* symbiosis. Since 1997 his work on cold-water corals and deep-sea biology has taken him to sites off the UK, Norway, Ireland and the SE United States. He is senior author of the 'Cold-water Corals', the first book covering the biology and geology of these important deep-sea habitats, a contributing author to the Intergovernmental Panel on Climate Change (IPCC) 5th Assessment Report and co-lead editor of a 2014 United Nations Convention on Biological Diversity report on ocean acidification. He is a Fellow of the Royal Society of Biology and holds an honorary position at the University of North Carolina Wilmington, USA. He has led or participated in 23 offshore research cruises.

Professor Dr Peter Haugan, University of Bergen.

Professor Dr Haugan is presently the elected chair of the Intergovernmental Oceanographic Commission (IOC of UNESCO). He holds a professorship in oceanography at the Geophysical Institute, University of Bergen, and an adjunct Research Director position at the Institute of Marine Research in Norway. He has previously been vice chair of the European Marine Board (EMB) and a national nominated member for Scientific Committee on Ocean Research (SCOR). His own research has spanned from climate and polar oceanographic research to marine renewable energy. In recent years his interests and activities have centred on the development of marine observing systems, research infrastructures and the science-policy interface. As the chair of IOC he is leading efforts towards establishing 2021-2030 as the International (UN) Decade of Ocean Science for Sustainable Development.





Ms Ann Dom, Seas at Risk.

Ms Dom is deputy director of Seas at Risk, the European association of environmental NGOs working to protect the marine environment of the European seas. Seas at Risk currently has 34 member organisations in 17 countries. She has a long standing expertise on EU environmental and sustainable development policies. At Seas at Risk, her work focuses on the ocean governance, with a special focus on blue growth, the EU marine strategy, maritime spatial planning, aquaculture and deep sea mining. Before joining Seas at Risk in 2012 she was employed at the European Environment Agency and the Environment Directorate General of the European Commission. She also worked as a consultant and taught at the Free University of Brussels. She holds MSc degrees in physics and in environmental assessment.



Mr John Brincat, European Commission Directorate-General for Maritime Affairs and Fisheries.

Mr Brincat is an international policy officer within the Directorate-General for Maritime Affairs and Fisheries (DG MARE) of the European Commission in the unit dealing with Ocean Governance, Law of the Sea and Arctic Policy. For the last years, he has been following oceans related issue in particular at the UN. In this capacity he has represented that the EU as the lead negotiator in relevant UN negotiations including at the Preparatory Committee for the development of an international legally binding instrument under the United Nations Convention on the Law of the Sea on the conservation and sustainable use of marine biological diversity of areas beyond national jurisdiction, the Review Conferences for the UN Fish Stocks Agreement and the annual UN Resolutions on Oceans and Law of the Sea and on Sustainable Fisheries as well as at 2012 UN Conference on Sustainable Development (Rio+20). Mr Brincat has also given presentations concerning the Law of the Sea, biodiversity beyond national jurisdiction, the protection of the marine environment, particularly from bottom fishing, at the UN and elsewhere. Before joining the Commission in 2009, Mr Brincat worked in the Permanent Representation of Malta in Brussels as the attaché responsible for fisheries policy.

Dr Lisa Almesjö, Swedish Research Council for Sustainable Development (FORMAS).

Dr Almesjö is International coordinator at the Swedish Research Council for Sustainable Development (FORMAS), in the Unit for Environmental Science and Spatial Planning. She obtained her PhD degree in Marine Ecology from Stockholm University, specializing in Filamentous cyanobacteria in the Baltic Sea. She has worked as a researcher on a variety of topics including fish stocks and fisheries. She joined FORMAS in 2008 as a Senior Research Officer, and worked within the field of research funding and policy,



including Joint Programming and the EU funded programme BONUS. She represents FORMAS in the Belmont Forum, an international partnership of members committed to the advancement of interdisciplinary and transdisciplinary science, including through support of collaborative research actions.



Dr Ann-Katrien Lescrauwaet, Flanders Marine Institute.

Dr Lescrauwaet studied zoology (MSc, University of Ghent) and Management of Protected Landscapes (University of Wales-UK). She obtained a PhD degree in Marine Sciences at University of Ghent, on the topic of Marine Historical Ecology and Fisheries. After her graduate studies she was engaged (nearly 20 years) in fieldwork in support of the conservation and protection of marine ecosystems. She worked on these topics in Belgium, Azores (1986), Peru (1987-1989), Venezuela (1992-1994), and Chile (1989-2003), in particular working towards solutions to mitigate the impact of artisanal fisheries on marine life. In 2004 she joined the Flanders Marine Institute (VLIZ), and became head of the 'Policy Information Division' in 2006. This unit supports a science-based implementation of an Integrated Maritime Policy by strengthening the marine knowledge basis, the science-policy interface, and by actively brokering policy-relevant scientific information in appropriate format. Target groups are the broad range of policy officers (multiple levels and domains), marine researchers (multiple disciplines), and the Blue Economy and Innovation sectors. Since June 2017 she is International Liaison Officer at VLIZ.