

Steering Committee Members

Chair



Jessica Snowden

Deputy Director, Global Ocean Monitoring and Observing Program, NOAA, USA

Relevant Expertise: Ocean observing program management

Focus area: All-Atlantic

Jessica Snowden is the Deputy Director for NOAA Research's Global Ocean Monitoring and Observing (GOMO) Program. Jessica has been in this position since April 2020, and previously worked for over a decade at NOAA's U.S. Integrated Ocean Observing System (IOOS) Program helping to build the new IOOS program in NOAA. Jessica is a 2018 graduate of NOAA's Leadership Competencies Development Program. Prior to joining NOAA, Jessica worked for Ocean.US, the coordinating office for U.S. IOOS. She also served as policy coordinator for the American Fisheries Society. She holds a Bachelor of Science degree in biology from the University of Delaware and a Master of Science degree in marine biology from the University of Maine.



Penny Holliday

*Associate Head Marine Physics and Ocean Climate,
National Oceanography Centre, Southampton, UK*

Relevant Expertise: Physical Oceanography and Climate Science

Focus area: All-Atlantic

Penny Holliday is a physical oceanographer and her research has focused on the circulation and variability of the subpolar North Atlantic, and the role of the ocean in our changing climate. She has participated in 21 seagoing expeditions, several as Chief Scientist. Penny is Associate Head of the [Marine Physics and Ocean Climate](#) group at the NOC, and is the UK principal investigator for an international programme researching the Atlantic meridional overturning circulation strength, variability and mechanisms ([OSNAP](#)). She holds the role of Science Coordinator for [CLASS](#), a world-leading UK Atlantic science programme supporting national and global strategic needs. Penny was awarded the title of Honorary Professorial Fellow (Research) by the University of Southampton in June 2019, and was recipient of the Society of Underwater Technology's Oceanography Award in December 2019.



Isabel Sousa Pinto

Professor at Ciimar and University of Porto, Portugal

Relevant Expertise: Marine Biodiversity observation, use and protection

Focus area: North Atlantic

Prof Isabel Sousa Pinto has a PhD in Marine Biology (phycology) from the UCSB, USA. She is a Professor at the University of Porto and Head of the Aquatic Biodiversity and Conservation group at Interdisciplinary Centre for Marine and Environmental Research (CIIMAR). She is also member of its Board of Directors. Her main research has been on marine biodiversity and ecosystem functioning, and how is impacted by climate change, invasive species and other anthropogenic drivers. She has a particular focus on the seaweed flora as well as on algal ecophysiology, cultivation and promotion of its sustainable use and was member

of the POGO working group “Planning the implementation of a global long-term observing and data sharing strategy for macroalgal communities”. She is also working on the science-policy – society interfaces and on promoting ocean literacy. She is serving in different European and International steering Committees as Euromarine, European Ocean Observation System (EOOS) and AtlantOS to develop the biodiversity component of the Ocean Observations and its integration with the other observation components and with the European Marine Board in to identify gaps in biological observations and produce recommendations to fill them. At global level she is the co-chair of MBON – Marine Biodiversity Observation Network from GEO BON.

She was part of the Portuguese delegation to the Convention on Biological Diversity (2006-2011) and has been since working with IPBES – the Intergovernmental Panel on Biodiversity and Ecosystem Services, was the Portuguese Representative in this platform until 2018, when was elected to its Multidisciplinary Expert Panel, a panel that supervises the scientific work of the Platform, becoming later also co-chair of its Knowledge and Data task force. Besides more than 180 scientific publications, she was a Coordinating Lead Author for the Regional Assessment of Biodiversity and Ecosystem Services in Europe and Central Asia of IPBES.



Maria Paz Chidichimo

Physical Oceanographer, Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET) and Servicio de Hidrografía Naval and CNRS – IRD – CONICET/UBA Instituto Franco-Argentino para el Estudio del Clima y sus Impactos (UMI 3351 IFAECI), Buenos Aires, Argentina

Relevant Expertise: Physical Oceanography; Ocean Circulation; Climate Science

Focus area: South Atlantic, Southern Ocean

María Paz Chidichimo is a physical oceanographer at the Argentine Scientific Research Council and the Hydrographic Service in Argentina. She obtained her PhD from the International Max Planck Research School on Earth System Modelling and the University of Hamburg (Germany), afterwards she was a postdoctoral researcher at the University of Rhode Island (US). Her main research interests are on how large-scale ocean currents

change and how they relate to the global climate system. She has been conducting her research in large international observational programs to measure the global overturning circulation and associated boundary currents in the North and South Atlantic and in the Southern Ocean. She has contributed as Lead Author to the IPCC Special Report on the Ocean and Cryosphere on a Changing Climate (SROCC), is a member of the Executive Committee of the South Atlantic Meridional Overturning Circulation (SAMOC) initiative, the CLIVAR AMOC Task Team and the GOOS/GCOS Ocean Observations for Physics and Climate Panel (OOPC), and is part of the AtlantOS Steering Committee.



Leticia Cotrim da Cunha

Assistant Professor at Faculdade de Oceanografia - Universidade do Estado do Rio de Janeiro (UERJ) and Brazilian Research Network on Global Climate Change (Rede Clima) / GLODAP Reference group, Brazil

Relevant Expertise: Biogeochemistry, Chemical oceanography

Focus area: South and Tropical Atlantic

Leticia Cotrim da Cunha is Assistant Professor at the Faculty of Oceanography at Rio de Janeiro State University in Brazil, and co-leads the Brazilian Ocean Acidification Research Network (BrOA). She is a member of the AtlantOS Steering Committee and part of the GLODAP Reference Group, and has contributed as Lead Author to IPCC's 6th Assessment Report in Working Group I. Leticia is a chemical oceanographer and her research focuses on the Southwestern Atlantic region.



Brad deYoung

Memorial University, Canada

Relevant Expertise: Oceanography

Focus area: North Atlantic

Brad de Young is an active researcher keen to explore new paths to apply the knowledge and skills developed over a long career as an oceanographer. The ocean needs our help and we must find better ways to study the ocean, to work with the data collected about

the ocean and to manage the challenges facing the ocean and, by implication, we as a society. Support for the development of new initiatives and programs to observe the ocean are important but so too are considerations of how to ensure that our work best addresses the needs of the ocean and society. He has been active in the planning of national and international science programs and the links to public policy and management and would like to explore new opportunities to link science and society and economy. Brad is interested in climate dynamics and working to develop new techniques and approaches to making measurements in the Labrador Sea, through the deployment of ocean gliders and in collaborating with others. Dynamics of the Northwest Atlantic remains a focus for his field oceanography program but the issues and concerns about improving and enhancing our ability to observe and understand the ocean.



Martin Visbeck

*Professor at GEOMAR Helmholtz Centre for Ocean Research
Kiel and Kiel University, Germany*

Relevant Expertise: Physical Oceanography, Ocean and Climate, Digital Twins, Sustainable Development

Focus area: All-Atlantic

Prof. Visbeck's research is concerned with ocean and climate variability and change and ocean sustainability. He has investigated the interactive role of mesoscale eddies and convective plumes in deep water formation sites as well as the production mechanisms associated with shelf convection. He has explored the ocean's response to NAO and SAM atmospheric forcing. A recent regional emphasis is the circulation of the Atlantic. Where his group maintains the world's longest direct current measurement series to document the variability of North Atlantic Deep Water transport in the Labrador Sea, a key component of the Atlantic Overturning Circulation. In the context of a Kiel based collaborative research center on climate-biogeochemical interactions in the tropical ocean his work focuses on the supply of oxygen towards the extensive tropical oxygen minimum zones by diapycnal mixing and lateral eddy transfer. In his research on observations of ocean circulation and mixing he makes use of research vessel based expeditions but also is increasingly using and advancing modern robotic platforms including profiling floats and gliders, and the development of ocean observatories for long-term observations in the water column. He is a strong supporter of sustained ocean observing systems and is spearheading new approaches to bring all ocean data and information together in the form of a digital-twin of the ocean making use of innovative informatics and data science. Furthermore, he supports conceptual

frameworks to advance integrated marine research in the context of ocean sustainable development at the regional and international level. He has contributed to ocean literacy projects and capacity building in Africa. His advice is appreciated by science bodies and governments in Germany, the EU and at the global and UN level.



Gleyci Aparecida Oliveira Moser

Associate Professor at Faculdade de Oceanografia - Universidade do Estado do Rio de Janeiro (UERJ)

Relevant Expertise: Phytoplankton Functional Diversity, Primary Productivity and Biological Oceanography

Focus area: South and Tropical Atlantic

Principal Investigator of the LABCULT- UERJ *Laboratório de Ecologia e Cultivo do Fitoplâncton Marinho*. Gleyci Moser's research is concerned with how anthropogenic drivers, such as eutrophication and climate change, impacts harmful algal blooms and ecosystem functioning. She has a particular focus on phytoplankton community ecology, physiology and taxonomy as well as plankton functional diversity and biogeography in both coastal systems and open ocean in the South and Tropical Atlantic.



Renellys Perez

Oceanographer, National Oceanic and Atmospheric Administration/Atlantic Oceanographic and Meteorological Laboratory (NOAA/AOML)

Relevant Expertise: Physical Oceanography, Climate Science, Air-sea interaction

Focus area: Subtropical and tropical Atlantic

Renellys Perez is a physical oceanographer with interests in tropical Atlantic variability and the processes that drive equatorial ocean currents and tropical instability waves and how they influence sea surface temperature variability in the Atlantic, and characterizing the variability of the boundary currents and

the overturning circulation in the South Atlantic and their influence on heat and salt distributions, as well as their impact on weather, climate, and sea level. She is the lead investigator of the Southwest Atlantic Meridional overturning circulation (SAM) and the Tropical Atlantic Current Observations Study (TACOS), and is the co-lead investigator of the PIRATA Northeast Extension (PNE) project. Through her collaborations with NOAA and national and international scientists, she understands the importance of developing an all-Atlantic observing strategy to tackle important problems like the Atlantic overturning circulation. She has participated in five seagoing expeditions, three as Chief Scientist. She has participated in various national and international panels including US CLIVAR Phenomena, Observations, and Synthesis panel (member 2014-2015, co-chair 2015-2017), US AMOC Task Team 1 (vice-chair 2014, chair 2015), and the SAMOC Executive Committee (member 2020-present). She received a Ph.D. in oceanography from Oregon State University in 2006, and was a National Research Council research associate from 2006-2008. She is passionate about building a more diverse and inclusive science community through mentorship and outreach.



Lucie Cocquempot

Physical Oceanographer, Oceanographic observation networks coordinator, Department of Oceanography and Ecosystem Dynamics, French Research Institute for Exploitation of the Sea - IFREMER

Relevant Expertise: *Marine Research infrastructures management, Ocean Monitoring and Observing Program coordination, Data management, systemic approach, open science and co-design, frugal marine*

observations (including citizen sciences)

Focus area: North Atlantic

Lucie Cocquempot is in charge of the coordination of observation networks at the French Research Institute for Exploitation of the Sea and sits on the boards of several national research infrastructures dedicated to ocean monitoring and observation. She has recognized skills in facilitating cross-cutting groups, in the co-construction of observation strategies and in marine data management. She has developed interests in multidisciplinary systems coordination, participatory science including indigenous knowledge enhancement, low-tech labs, and other open science projects.

Currently, she co-chairs the EuroGOOS Science Advisory Working Group (www.eurogoos.eu) and an OBPS Task Team (<https://www.oceanbestpractices.org/>) on "Standard Operating Procedures/Best Practices for Coastal Observations in Low Resource Countries".

Convinced of the need to co-construct a sustainable global ocean observing system, her atypical profile, rich in various professional experiences, contributes to move the governance of ocean observation towards a more user-oriented approach.



Francis Emile Asuquo

Professor at Faculty of Oceanography, University of Calabar, Calabar, Nigeria

Relevant Expertise: Chemical Oceanography, Marine Biogeochemistry, Toxicology and Pollution

Focus area: Equatorial South Atlantic Ocean

Francis Emile Asuquo is a Professor of Chemical Oceanography at the Faculty of Oceanography, University of Calabar, Nigeria. His research focuses on Marine Biogeochemistry, Marine Pollution and Toxicology, Ocean Chemistry/Acidification, Coastal Hydrodynamics, Water quality monitoring, Fate of marine pollutants (endocrine disrupting chemicals (EDCs) and nano materials), ecosystem health and climate change. He is the Director/ Head of the Marine Atmosphere and Coastal Ocean Research Network (MACORN-UNICAL). Prof Asuquo's pioneered research provided scientific data and information on the occurrence, distribution and the chemical composition of crude oils and tar balls found in the Gulf of Guinea. His scientific work has x-rayed the water pollution status of the oil rich Niger Delta region of Nigeria. He has contributed to our current understanding of the oceanic carbon cycle in the North Atlantic basin, and recently the occurrence and spatio-temporal variation of marine heat waves in the Gulf of Guinea. He has served as Visiting Professor to some Universities in Africa and as an Adjunct Professor to the University of New England, Australia (2015 – 2018). He is a Member of AtlantOS Steering Committee; a Member, International Scientific Advisory Board (ISAB), Africa Centre of Excellence in Coastal Resilience (ACECoR), University of Cape Coast, Ghana; a Member, Finance Committee, Partnership for the Observation of the Global Ocean (POGO), UK and a Member of Global Ocean Acidification Observing Network (GOA-ON) and Ocean acidification Research for Sustainability (OARS).



Virginia Polonio Povedano

Project Manager and lead assessor for sustainable fisheries schemes

Relevant Expertise: Fisheries stock status, fisheries management, fisheries ecosystem impacts

Focus area: All-Atlantic

Dr. Virginia Polonio; Lead assessor, project manager and primary responsibility for ecosystem impacts and traceability in fisheries sustainable schemes.

Virginia has a B.Sc. in Environmental Sciences and a M.Sc. in Fisheries Management and Aquaculture, both from the University of Cádiz. She also obtained her PhD in Biodiversity and Natural resources from the University of Oviedo during which she gained experience in the field of research of fisheries management and protection of Vulnerable Marine Ecosystems such as coral reefs.

During her thesis she wrote several articles describing new species of corals and developed skills in the fields of benthic ecology and ecosystem management. Before her PhD, Virginia joined as technician at the Spanish Oceanographic Institute where she worked at sea and gained field experience to assess fisheries stocks. She participated in the Spanish National Basic Plan of Data to collect and evaluate the fishing in the ICES and CECAF areas. During this period, she carried out feeding habit and age/size studies of *Pagellus Bogaraveo* and others commercial species (hake, anchovy, sharks, mackerel, squid, etc.) to implement an ecosystem approach in relation to commercial fisheries in the Gulf of Cadiz and the strait of Gibraltar.

Nowadays, Virginia is a full-time employee at Control Union UK and she has extensive experience working on MSC certification assessments as both a team member and lead assessor. She has worked on numerous full assessments such as ISF Capelin, ISF Mackerel, CSHMAC herring, Cantabrian sardine, North Atlantic albacore, squat lobster, blue sharks and swordfish, Chile Austral hake, tuna fisheries among others.



Patrick Gorringe

International Ocean Affairs, Swedish Meteorological and Hydrological Institute (SMHI)

Relevant Expertise: Marine Data Management, Oceanography

Focus area: All-Atlantic

Mr. Patrick Gorringe is a physical oceanographer, responsible for International Ocean Affairs at SMHI, the Swedish Meteorological and Hydrological Institute. Patrick has a passion for ocean observing, its applications, platforms and networks. Patrick acts as the oceanographic national contact point for a number of Swedish and international governmental bodies and institutes. Patrick has worked for EuroGOOS AISBL, Sweden/Brussels and IMOS/AODN in Australia and devoted a lot of his work bringing together marine communities in order to enhance the cooperation and by this increase the accessibility to marine data. He is a member of a number of advisory boards and expert groups such as the Inter-Programme Expert Team on Integrated Marine Meteorological and Oceanographic Services within WMO and IOC Information Systems (IPET-MOIS). Patrick is also involved in projects related to marine data and data management such as EMODnet (Deputy-Coordinator of EMODnet Physics), SeaDataCloud, Copernicus and other initiatives related to marine data management and dissemination of data on European and Global scales. Patrick was the Swedish representative to WMO-IOC Joint Committee for Marine Meteorology (JCOMM) and acts as the head of the Swedish delegation of the Intergovernmental Oceanographic Commission of UNESCO (IOC-UNESCO) and is the National contact point for GOOS and EuroGOOS.

Coordination Team



Ann-Christine Zinkann

Project Specialist, Global Ocean Monitoring and Observing Program, NOAA, Early Career Ocean Professional

Relevant Expertise: Oceanography, Ocean and Climate, Ocean observing program management

Focus area: All-Atlantic

Dr. Ann-Christine Zinkann is a Program Specialist at the Global Ocean Monitoring and Observing Program (GOMO) at NOAA. Before joining GOMO, Ann received her PhD at the University of Alaska Fairbanks in 2020 in Marine Biology focusing on Arctic food web dynamics using stable isotope analysis and food web modeling. In 2020 she was awarded the John A. Knauss Marine Policy Fellowship Program and joined GOMO. She is now working on the All-Atlantic Observing System (AtlantOS); Global Ocean Observing System (GOOS), the Observations Coordination Group (OCG); U.N. Decade; and Data Strategies.



Mariana Rocha de Souza

2022 John A. Knauss Marine Policy Fellow, Global Ocean Monitoring and Observing Program, NOAA, Early Career Ocean Professional

Relevant Expertise: Oceanography, Ocean and Climate, Ocean observing program management

Focus area: All-Atlantic

Mariana is originally from Brazil and earned her B.S. in Biological Science at the University of Sao Paulo, Brazil and her Master's in Oceanography and Marine Biology in the Universite Aix in Marseille, France. She recently earned her Ph.D. at the University of Hawai'i, Manoa investigating the impacts of future climate conditions on coral reefs, specifically the role of symbiotic algae in promoting coral resilience. She is currently a John A. Knauss Marine Policy Fellowship Program, working on All-Atlantic Observing System (AtlantOS) and the Argo Program.