



**ANDREI DE ABREU SODRÉ POLEJACK**  
National Institute of Ocean Research (INPO)

Director of Research and Innovation at the National Institute of Ocean Research (INPO) and Senior Science and Technology Analyst at the Ministry of Science, Technology and Innovation (MCTI), working on ocean and polar research since 2002. He holds a PhD in Maritime Affairs from the World Maritime University (Sweden), an institution affiliated with the United Nations.

He is a biologist, with a Master's degree in Ecology from the University of Brasília (UnB). Coordinated Brazilian research efforts in the Atlantic and Antarctica, providing technical advice on governance initiatives, research project evaluation, and the formulation and implementation of public policies, among other activities.

As a fellow of the UN–Nippon Foundation consortium, he developed proposals for a policy framework to coordinate Ocean Sciences in Brazil, focusing on the science–policy interface for decision-making. He currently conducts research on science diplomacy and its importance for global ocean governance.

May 6  
PLENARY SESSION III  
10:00 – 12:00 a.m.  
*“Science Diplomacy in  
the Ocean*



**BJÖRN KJERFVE**  
Fluminense Federal University (UFF)  
University of South Carolina (USA)

Distinguished Professor Emeritus at the University of South Carolina (USA) since 2004. He served as a visiting professor in the Department of Geochemistry at the Fluminense Federal University (UFF) (2023–2025 and 1988–2004) and at several other universities around the world. Kjerfve was President of the World Maritime University in Malmö, Sweden, from 2009 to 2014.

He holds a Bachelor's degree in Mathematics from Georgia Southern College, a Master's degree in Physical Oceanography from the University of Washington, and a PhD in Marine Sciences from the Louisiana State University System. He also completed a postdoctoral fellowship at the University of Sydney.

Kjerfve has published extensively on topics in coastal and estuarine physical oceanography and serves on numerous professional, advisory, organizational, and editorial boards worldwide.

He has been a Corresponding Member of the Brazilian Academy of Sciences (ABC) since 2013.

May 6  
PLENARY SESSION III  
10:00 – 12:00 a.m.  
*“Coral Reefs: Have  
They Already Reached  
the Tipping Point?”*



## CARLOS EDUARDO DE REZENDE

State University of Northern Rio de Janeiro Darcy Ribeiro (UENF)

Full Professor at the State University of Northern Rio de Janeiro Darcy Ribeiro (UENF).

Rezende has served as an Associate Researcher at the School of Oceanography of the University of Washington, a Collaborating Professor in Environmental Studies at the Williams School of Commerce, Economics and Politics at Washington & Lee University, and an Affiliated Researcher with the Latin American and Caribbean Studies Program at Fairfield University (USA).

His research focuses on the continent–ocean interface, particularly in applied ecology and the biogeochemistry of aquatic ecosystems. He investigates fluxes of organic matter and metals—especially mercury—in rivers, estuaries, mangroves, continental shelves, and continental margins, contributing to the understanding of their environmental impacts.

He has been a CNPq Research Productivity Fellow (Level 1A) since 1993 and a Scientist of Our State of Rio de Janeiro (FAPERJ) since 2006.

May 5  
PLENARY SESSION II  
3 to 5 p.m.  
*“Biogeochemistry of Mercury and Carbon at the Land–Sea Interface”*



## CARLOS JOLY

University of Campinas (Unicamp)

Emeritus Professor at the University of Campinas (Unicamp), retired from the Department of Plant Biology at the Institute of Biology.

Joly holds a Bachelor’s degree in Biological Sciences from the University of São Paulo (USP), a Master’s degree in Plant Biology from Unicamp, and a PhD in Plant Ecophysiology from the Department of Botany at the University of St Andrews (Scotland). He completed a postdoctoral fellowship at the University of Bern (Switzerland). His research focuses on plant ecophysiology and biodiversity conservation, areas in which he has authored 13 books.

He served on the Science-Policy Advisory Committee (SPAC) of the Inter-American Institute for Global Change Research (IAI). He has also held coordination and leadership positions at the São Paulo State Secretariat for the Environment and at the Ministry of Science, Technology and Innovation (MCTI). He was President of the Brazilian Platform on Biodiversity and Ecosystem Services (BPBES) and Editor-in-Chief of the journal *Biota Neotropica*.

As Coordinator of the Biota/Fapesp Program, he received the Henry Ford Award for Initiative of the Year in Conservation. Among other distinctions, he was awarded the Conrado Wessel Foundation Prize in Science (2022) and the National Order of Scientific Merit, Grand Cross class (2023).

May 6  
KEYNOTE LECTURE  
9:00 – 10:00  
**(Chair)**

He is a Full Member of the São Paulo State Academy of Sciences (ACIESP) and of the Brazilian Academy of Sciences (ABC).



**CARLOS RICARDO SOCCOL**  
Federal University of Paraná (UFPR)

Full Professor of Bioprocess Engineering and Biotechnology at the Federal University of Paraná (UFPR). He is also HDR Professor at the École Supérieure d'Ingénieurs de Luminy, Aix-Marseille University, France.

He holds a Bachelor's degree in Chemical Engineering from UFPR, a PhD in Enzymatic Engineering, Microbiology and Bioconversion from the University of Technology of Compiègne (France), and completed a postdoctoral fellowship at Aix-Marseille University (France). He has served as a visiting professor at universities in Switzerland and France and coordinated the UNESCO International Master's Program in Biotechnology (Master BIODEV) from 2004 to 2020.

His expertise lies in industrial biotechnology, with emphasis on bioprocess engineering and applied biotechnology, including bioprocess scale-up (bench, pilot and industrial scales), biotechnology plant design, and technology transfer to the productive sector.

Among several distinctions, he received the Scopus/Elsevier Award (2009), the title of Doctor Honoris Causa from Blaise Pascal University, France (2010), the Outstanding Scientist Award at the 5th International Conference on Industrial Bioprocesses in Taipei, Taiwan (2012), the National Order of Scientific Merit (2018), and the TWAS Prize in Engineering and Computer Sciences 2026 from The World Academy of Sciences.

He has served as a scientific and technical consultant for several companies, funding agencies, and scientific journals in Brazil and abroad. Since 2025, he has coordinated the National Research Network in Marine Biotechnology (Biotecmar). He has been a Full Member of the Brazilian Academy of Sciences (ABC) since 2013.

May 6  
PLENARY SESSION IV  
14:30 – 16:30  
*“Oceans: The Last Frontier of Natural Resources for Human Life – Potential and Challenges”*



**CRISTIANA SIMÕES SEIXAS**  
University of Campinas (Unicamp)

Researcher at the Center for Environmental Studies and Research (NEPAM) at the University of Campinas (UNICAMP), where she coordinates the Conservation and Management of Common-Pool Resources Group (CGCommons) and the Laboratory for Ecosystem Management and Ecology (LEME). She has been an Adjunct Professor at the Natural Resources Institute of the University of Manitoba (Canada) since 2009.

She holds a Bachelor's degree in Biology and a Master's degree in Ecology from the University of Campinas (Unicamp), and a PhD in Natural Resources and

May 6  
PLENARY SESSION IV  
14:30 – 16:30  
*“Prosperity from the Ocean: Biodiversity, Ecosystem Services, and Human Well-being”*

Environmental Management from the University of Manitoba (Canada).

Her research focuses on environmental conservation integrated with local development, particularly through the management of common-pool resources, co-management, sustainable ecosystem governance, and environmental governance. Her work also addresses human ecology, local and traditional ecological knowledge, and the resilience of socio-ecological systems.

She collaborates with the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), under the auspices of four United Nations entities (UNEP, UNDP, Unesco, and FAO). She also works in partnership with several national and international research and outreach networks, notably the Community Conservation Research Network.



**CRISTIANO MAZUR CHIESSI**  
University of São Paulo (USP)

Professor at the School of Arts, Sciences and Humanities of the University of São Paulo (USP), where he leads the Paleoclimate subgroup of the Climate Change Research Support Center (INCLINE). He is also a collaborating researcher at the Earth System Science Center (CCST) of the National Institute for Space Research (INPE) and a CNPq Research Productivity Fellow (Level 2).

May 5  
PLENARY SESSION I  
10:00 – 12:00  
*“The Great Atlantic  
Circulation: Lessons  
from the Past for the  
Ocean We Want”*

Chiessi holds a Bachelor’s degree in Geology and a Master’s degree in Geosciences (Sedimentary Geology) from the Institute of Geosciences (IGc) of the University of São Paulo (USP). He earned a PhD in Natural Sciences (Paleoceanography and Paleoclimatology) from the University of Bremen, Germany, and completed a postdoctoral fellowship at the National Institute for Space Research (INPE).

He is a member of Working Group 1 of the Brazilian Panel on Climate Change (PBMC) and a Full Member of the Paleoclimate Commission (PALCOMM) of the International Union for Quaternary Research (INQUA).

Chiessi’s research focuses mainly on abrupt climate change, thermohaline circulation, multidecadal climate variability, the South American monsoon system, carbonate and bulk sediment geochemistry, the Late Quaternary, South America, and the South Atlantic.



## EDMO CAMPOS

University of São Paulo (USP)

Emeritus Professor at the Oceanographic Institute of the University of São Paulo (USP), retired since 2016. He continues to serve as a Collaborating Professor and Coordinator of the Ocean Modeling and Observations Laboratory (LABMON) at IOUSP. He was a Visiting Scientist at the University of Sharjah, United Arab Emirates (2018–2021).

He holds a Bachelor's degree in Physics from the University of Brasília (UnB) and a PhD in Meteorology and Physical Oceanography from the Rosenstiel School of Marine and Atmospheric Science at the University of Miami (USA). Campos made significant contributions to the Fifth Assessment Report of the IPCC. He is a member of the International Scientific Committee of GO-SHIP, as well as of the Executive Committees of the International Association for the Physical Sciences of the Oceans (IAPSO) and the South Atlantic Meridional Overturning Circulation International Executive Committee (SAMOC).

Campos is a CNPq Research Productivity Fellow (Level 1B) and a member of the scientific research honor society Sigma Xi. He is also a Full Member of the São Paulo State Academy of Sciences (ACIESP) and of the Brazilian Academy of Sciences (ABC).

May 5  
KEYNOTE LECTURE  
9:00 – 10:00  
*“The Collapse of the AMOC: Impacts on Climate and Extreme Events”*



## FABIO RUBIO SCARANO

Federal University of Rio de Janeiro (UFRJ)  
Tomorrow's Museum

Full Professor of Ecology at the Federal University of Rio de Janeiro (UFRJ). Since 2024, he has served as Curator of the Museum of Tomorrow, and since 2023 he has held the UNESCO Chair in Futures Literacy, a partnership between the Institute for Development and Management of the Museum of Tomorrow and UFRJ.

Scarano holds a Bachelor's degree in Forest Engineering from the University of Brasília (UnB) and a PhD in Ecology from the University of St Andrews (Scotland). He completed a postdoctoral fellowship at the Rio de Janeiro Botanical Garden (JBRJ).

He has been a visiting professor at the Technical University of Darmstadt (Germany) and at the University of Minnesota (USA). He also served as Director of Scientific Research at the Rio de Janeiro Botanical Garden (2007–2009).

He was a Lead Author for the Brazilian Panel on Climate Change (PBMC, 2011–2014) and the Intergovernmental Panel on Climate Change (IPCC, 2011–2014), and a Coordinating Lead Author for the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES, 2015–2018). He was also co-founder and General Coordinator of the Brazilian Platform on Biodiversity and Ecosystem Services (BPBES, 2015–2019).

May 5  
OPENING SESSION  
9:00 – 9:30

Scarano served in the leadership of the NGO Conservation International, as Executive Director for Brazil (2009–2011) and Senior Vice President for the Americas (2011–2015). He was also Executive Director of the Brazilian Foundation for Sustainable Development (2015–2018).

He has received two Jabuti Literary Awards in the Natural Sciences category: second place in 2013 for the book *Brazilian Biomes: Portraits of a Plural Country*, and first place in 2015 for *Atlantic Forest: A History of the Future*. He is a member of the Linnean Society of London.



**HELENA B. NADER**  
Universidade Federal de São Paulo (Unifesp)

President of the Brazilian Academy of Sciences (ABC, 2022–2028) and Emeritus Professor at the Paulista School of Medicine of the Federal University of São Paulo (Unifesp). She earned her PhD at Unifesp and carried out a Fogarty (NIH) postdoctoral fellowship at the University of Southern California (USA). Since 1985, she has been a CNPq Research Productivity Fellow (Level 1A).

Nader's research focuses on the molecular and cellular biology of glycoconjugates. At Unifesp, she was the first woman to serve as Dean for Undergraduate Education (1999–2003) and Dean for Research and Graduate Studies (2007–2008). She serves on several national councils related to science and education and has received numerous national and international distinctions and honors.

She served as Vice President for Latin America and the Caribbean of The World Academy of Sciences (TWAS, 2023–2026); Co-President of the InterAcademy Partnership (IAP, 2025–2028); Co-President of the InterAmerican Network of Academies of Sciences (Ianas, 2019–2025); and Vice President of the Alliance of National and International Science Organizations for the Belt and Road Regions (ANSO, 2023–2025).

Nader is a member of the Strategic Committee of the Science Panel for the Amazon (SPA, since 2024) and a member of the Latin American Academy of Sciences (ACAL). She is also Honorary President and former President (2011–2017) of the Brazilian Society for the Advancement of Science (SBPC).

May 5  
OPENING SESSION  
8:30 – 9:00

May 7  
KEYNOTE LECTURE  
9:00 – 10:00  
(Chair)

May 7  
CLOSING SESSION  
12:30 – 13:00



**HUY DANG**  
Universidade de Trent

Associate Professor of Environmental and Analytical Chemistry at Trent University (Canada) since 2019, where he also serves as Co-Director of the International Institute for Environmental Studies. Previously, he worked as a postdoctoral researcher at the School of the Environment.

Dang holds a PhD in Environmental Geosciences from the University of Toulon (France) and has built an international academic career that began in Vietnam, continued in France, and later developed in Canada. In addition to his

May 5  
PLENARY SESSION II  
14:30 – 16:30  
“From Land to Ocean:  
The Impacts of Climate  
Change, Pollution, and  
Biodiversity Loss”

scientific research, he is strongly committed to student training in international environments, organizing field courses and promoting academic exchanges, particularly with French institutions.

An environmental chemist and geochemist, his research focuses on the impacts of pollution on ecosystems and human health, with emphasis on analytical chemistry, isotope geochemistry, and environmental biogeochemistry.

Dang leads the ENIGMA research group, developing collaborative projects in Canada, France, New Caledonia, Fiji, China, and Vietnam, particularly related to water quality and food security in the context of climate change.

In recognition of his scientific contributions and efforts to strengthen bilateral cooperation between Vietnam and Canada, he received the Golden Globe in Science and Technology for Early Career Scientists (2020), one of Vietnam's most prestigious national awards for young scientists.



**ILANA WAINER**  
University of São Paulo (USP)

Associate Professor (Livre-Docente) in the Department of Physical Oceanography at the Oceanographic Institute of the University of São Paulo (USP).

May 5  
PLENARY SESSION I  
10:00 – 12:00  
(Chair)

Wainer is a specialist in ocean-atmosphere interactions and climate, using high-complexity coupled models. She is a member of the steering committee of the National Institute of Science and Technology for the Cryosphere (INCT-Criosfera), where she contributes to climate modeling research aimed at understanding the role of Antarctic sea ice and ice shelves in ocean circulation and climate impacts.

In addition to extensive activities in research and teaching, Wainer has served on the steering committees of international programs such as the World Climate Research Programme (WCRP) and the Scientific Committee on Oceanic Research (SCOR). She is a Full Member of the Brazilian Academy of Sciences (ABC).



**ILDEU DE CASTRO MOREIRA**  
Federal University of Rio de Janeiro (UFRJ)

He is Professor at the Institute of Physics and at the Graduate Program in History of Sciences, Physics Education and History of Physics at the Federal University of Rio de Janeiro (UFRJ). He also teaches in the Master's Program in Science Communication at the Oswaldo Cruz Foundation (Fiocruz).

May 7  
CLOSING SESSION  
12:00 – 12:30  
*"Tribute to Marta  
Vannucci and Marie  
Curie"*

Moreira holds a PhD in Physics from UFRJ and carried out research fellowships at the École Polytechnique and at the University of Paris VII (France). His work has focused on theoretical physics (nonlinear systems), history of Science - particularly the history of science in Brazil - and public communication of science.

Moreira served as Scientific Editor of the magazine *Ciência Hoje* from 1988 to 1996 and has been a member of the editorial boards of several scientific and science communication journals. He was Director of the Department for the Popularization and Dissemination of Science and Technology at the Ministry of Science, Technology and Innovation (MCTI) from 2004 to 2012, where he coordinated the National Week of Science and Technology. He was a member of the Committee for the Popularization of Science and Technology (Pop Committee/MCTI) from 2023 to 2025.

Moreira also served as President of the Brazilian Society for the Advancement of Science (SBPC), of which he is now Honorary President.

Among other honors, Moreira was appointed Commander of the National Order of Scientific Merit (2010), received the José Reis Prize for Science and Technology Communication from CNPq (2013), and was awarded the Henrique Morize Medal of the Brazilian Academy of Sciences (2021).



### **ILQUES BARBOSA** Getúlio Vargas Foundation (FGV)

Officer of the Brazilian Navy and Advisor to the Presidency of the Getulio Vargas Foundation (FGV). He studied at the Brazilian Naval Academy and was promoted to the rank of Admiral of the Fleet in 2014. He served as Commander of the Brazilian Navy from 2019 to 2021.

May 5  
SPECIAL SESSION  
17:30 – 18:30  
*“The Ocean: The Center of Gravity of Planet Earth”*

Barbosa completed the Communications Officer Advanced Course, the Basic Course at the Naval War College, the Command and Staff Course at the Naval War College, and the Advanced Naval Warfare Course at the Naval War College. He also completed the Regular Staff Course at the Chilean Naval War Academy, the Maritime Policy and Strategy Course at the Naval War College, and the Advanced Studies in Policy and Strategy Course at the Brazilian Superior War College.



### **JAILSON B. DE ANDRADE** Senai-Cimatec University

Full Professor and Vice-Rector for Graduate Studies and Research at the Senai Cimatec University Center, and retired Full Professor at the Federal University of Bahia (UFBA). He coordinated the Interdisciplinary Center for Energy and Environment (CIEnAm-UFBA) from 2004 to 2023 and is a CNPq Research Productivity Fellow (Level 1A).

May 5  
SPECIAL SESSION  
17:00 – 18:00  
**(Chair)**

Andrade holds a Bachelor’s degree in Chemistry and a Master’s degree in Science from the Federal University of Bahia (UFBA), and a PhD in Analytical and Inorganic Chemistry from the Pontifical Catholic University of Rio de Janeiro (PUC-Rio). He completed a postdoctoral fellowship at Brookhaven National Laboratory in New York and was a visiting researcher at the Desert Research Institute (USA).

He coordinates the National Institute of Science and Technology in Energy and Environment as well as the Multidisciplinary Study of the Bay of All Saints – Kirimurê Project. He served as National Secretary for Research and Development Policies and Programs at the Ministry of Science, Technology, Innovation and Communications (MCTIC) from 2015 to 2017, when he coordinated, among other initiatives, the preparation of the National Strategy for Science, Technology and Innovation for Economic and Social Development (2016–2022).

Among several awards and honors, Andrade is a Grand Cross of the National Order of Scientific Merit and recipient of the Admiral Álvaro Alberto Prize. He is a Fellow of the Royal Society of Chemistry (2014) and former President of the Bahia Academy of Sciences. A Full Member of the Brazilian Academy of Sciences (ABC) since 2003, he served as Regional Vice-President for the Northeast and Espírito Santo and currently holds the position of General Vice-President.



**JANICE TROTTE-DUHÁ**  
National Institute for Ocean Research (INPO)

Director of Infrastructure and Operations at the National Institute for Ocean Research (INPO). She holds a postgraduate degree in Oceanography from Dalhousie University (Canada) and a postgraduate degree in Strategic Management and Planning from the Coppead Institute of Administration at the Federal University of Rio de Janeiro (UFRJ).

Trotte-Duhá served as a Special Advisor to the Brazilian Navy for more than 35 years, holding several positions related to marine sciences and Antarctic affairs in Brazil and abroad. Within the Brazilian Navy, she contributed to the creation of the Technical Commission for the Assessment of Marine Pollution, aimed at establishing mechanisms for detection, impact prevention, and response actions to oil spills at sea.

Trotte-Duhá also held key positions within the Intergovernmental Oceanographic Commission of Unesco, focused on the development of initiatives related to the Global Ocean Observing System (GOOS) in the South and Tropical Atlantic (1997–2000). She later served as Coordinator for Marine and Antarctic Affairs at the Ministry of Science, Technology and Innovation (2011–2014), where she conceived the National Institute for Ocean Research (INPO) and its strategic areas of action, together with representatives of the scientific community.

May 6  
PLENARY SESSION IV  
14:30 – 16:30  
(Chair)



## JEFFERSON SIMÕES

Federal University of Rio Grande do Sul (UFRGS)

Full Professor of Polar Geography and Glaciology at the Federal University of Rio Grande do Sul (UFRGS) and Collaborating Professor at the Climate Change Institute (CCI) of the University of Maine (USA).

Simões earned his PhD from the Scott Polar Research Institute at the University of Cambridge (UK). He founded the Polar and Climate Center at UFRGS and currently directs the National Institute of Science and Technology for the Cryosphere.

A polar scientist and explorer, Simões is a pioneer of Brazilian glaciology. He has participated in 22 scientific expeditions to both polar regions and was the first Brazilian to reach the South Pole as part of a scientific expedition by land. At the end of 2004, he departed from Chile with a team of Chilean researchers on a two-month expedition covering 2,300 kilometers, traveling from the Chilean Parodi Station in Antarctica to the South Pole and back.

During the 2011–2012 austral summer, Simões led the expedition that installed the first Brazilian scientific module in the interior of the Antarctic continent, located 2,500 km south of the Comandante Ferraz Antarctic Station (EACF). In the 2015–2016 austral summer, he led the first Brazilian traverse across the West Antarctic ice sheet.

Between November 2024 and January 2025, Simões led the International Antarctic Coastal Circumnavigation Expedition, involving researchers from Brazil, Argentina, Chile, China, India, Peru, and Russia. On board the icebreaker *Akademik Tryoshnikov*, the team traveled more than 29,000 km along the Antarctic coast to collect ice and snow samples that will help understand the impacts of climate change and the presence of contaminants in the region. He is a Full Member of the Brazilian Academy of Sciences (ABC).

May 5  
PLENARY SESSION I  
10:30 – 12:30  
*“Polar Oceans and the Cryosphere in Times of Rapid Change”*



## JORGE EDUARDO MARCOVECCHIO

Universidad de la Fraternidad de Agrupaciones Santo Tomás de Aquino

He is a Researcher at the Argentine Institute of Oceanography (IADO) of the National Scientific and Technical Research Council (Conicet). He is also Professor in the Department of Civil Engineering at the National Technological University of Bahía Blanca, Argentina. Marcovecchio is an Emeritus Professor at the Faculty of Engineering of the Fraternity of St. Thomas Aquinas University (Fasta) in Mar del Plata, Argentina, where he worked as a researcher and leader of the Ecosystems Research Group.

Marcovecchio holds a PhD in Environmental Sciences, Oceanography, and Toxicology, with specialization in monitoring contaminants (organochlorine pesticides and heavy metals) in marine and coastal environments. His research includes the impacts of pollutants on marine

May 5  
PLENARY SESSION II  
15:00 – 17:00  
*“How Healthy Is Our Home? The State of Marine Pollution in the Argentine Sea”*

biota, microplastic contamination in the Bahía Blanca estuary, and biomarker responses in fish.

He is a member of the Argentine National Academy of Exact, Physical and Natural Sciences (ANCEFN).



### JOSÉ MUELBERT

Federal University of Rio Grande (FURG)

Full Professor at the Federal University of Rio Grande (FURG) and Coordinator of the National Institute of Science and Technology – Integrated Oceanography Center (INCT-Mar COI).

May 6  
PLENARY SESSION III  
10:00 – 12:00  
(Chair)

Muelbert holds a Bachelor's degree in Oceanology and a Master's degree in Biological Oceanography from FURG, and a PhD in Oceanography from Dalhousie University (Canada). His research focuses on oceanography, particularly the interaction between marine organisms and environmental parameters. His work addresses topics in the South Atlantic, including ichthyoplankton, physical–biological processes, fish larval transport modeling, spatial modeling, and climate variability.

At FURG, Muelbert coordinated the Graduate Program in Biological Oceanography from 2003 to 2006 and served as Deputy Director and Director of the Institute of Oceanography from 2014 to 2017.

Muelbert served on the Scientific Steering Committee of the Global Ocean Observing System (GOOS) of the Intergovernmental Oceanographic Commission of Unesco (2002–2007; 2012–2016) and is the Brazilian representative to the Scientific Committee on Oceanic Research (SCOR).



### JUDITH GOBIN

University of the West Indies (UWI)

Professor of Marine Biology and Head of the Department of Life Sciences at the Faculty of Science and Technology of the University of the West Indies (UWI), St. Augustine Campus, in Trinidad and Tobago. She was the first woman to hold a professorship in this field at the institution.

May 7  
PLENARY SESSION V  
10:00 – 12:00  
*“The BBNJ Treaty (Biodiversity Beyond National Jurisdiction): A Victory for the Ocean of Tomorrow!”*

Gobin obtained her Bachelor's degree in Zoology and Botany from UWI, where she also completed a Master's degree in Pollution Ecology. She earned her PhD in Marine Ecology from the University of Exeter (United Kingdom).

As one of the leading experts in benthic ecology, Gobin's research began with studies on soft-bottom coastal marine sediments, later expanding to rocky shores and, more recently, deep-sea ecosystems.

Her scientific output includes original and strategically important research for the conservation and sustainable management of marine resources. Gobin has published 298 new scientific records and descriptions of new species for Trinidad and Tobago and the wider Caribbean region, significantly expanding knowledge of regional marine biodiversity.

Internationally, she contributed to the development of the new International Legally Binding Instrument on Areas Beyond National Jurisdiction (LBI/ABNJ). Her participation has emphasized the perspective of Small Island Developing States (SIDS), particularly regarding marine genetic resources, deep-sea research, capacity building, and technology transfer in marine sciences.

Gobin is an advisor to the Caribbean Community (Caricom) on Marine Genetic Resources and participated for eight years in the negotiations that led to the Biodiversity Beyond National Jurisdiction (BBNJ) Treaty.



### LARS-ERICH HEIMBURGER-BOAVIDA Mediterranean Institute of Oceanography (MIO)

Researcher at the French National Centre for Scientific Research (CNRS), working at the Mediterranean Institute of Oceanography of Aix-Marseille University (AMU).

Boavida holds a Bachelor's degree in Chemistry from the University of Texas at Austin (USA), a Master's degree in Analytical Chemistry from Friedrich Schiller University in Jena (Germany), and a PhD in Chemical Oceanography from Université Côte d'Azur (France). He also completed postdoctoral research at the Geosciences Environment Toulouse (GET) laboratory at the University of Toulouse (France).

His research focuses on the application of innovative techniques to understand the cycles of trace metals in the oceans, with emphasis on element speciation methods, stable isotopes, and sensor-based techniques. Boavida's work addresses key questions such as how much mercury is present in the oceans, how much is due to human activity, and how much accumulates in the food chain.

He was a co-author of the 2018 Global Mercury Assessment of the United Nations Environment Programme (UNEP) and the 2021 mercury report of the Arctic Monitoring and Assessment Programme (AMAP). Boavida is also a member of the International Geotraces Standards and Intercalibration Committee.

May 5  
KEYNOTE LECTURE  
14:00 – 15:00  
*"The Marine Mercury Cycle on a Changing Planet"*



### LETÍCIA COTRIM Rio de Janeiro State University (Uerj)

Associate Professor at the Faculty of Oceanography of the Rio de Janeiro State University (UERJ), where she works in the field of marine biogeochemistry, both in coastal and open-ocean environments. Cotrim is a researcher within the Brazilian Research Network on Global Climate Change (Rede Clima) and co-leader of the Brazilian Ocean Acidification Research Group.

She holds a degree in Oceanography from Rio de Janeiro State University (UERJ), a master's degree in Geochemistry from the Fluminense Federal University (UFF), and a PhD in Oceanology from the University of Perpignan, France.

May 7  
PLENARY SESSION V  
10:00 – 12:00  
*"The Ocean in a Changing Climate: How Can Science Help Us?"*

Cotrim was a co-author of the Sixth Assessment Report (AR6) of Working Group I of the Intergovernmental Panel on Climate Change (IPCC) and serves as co-leader of the Brazilian Ocean Acidification Research Group (BrOA). She is also a member of the scientific committee of the PIRATA project (Prediction and Research Moored Array in the Tropical Atlantic), part of the Rede CLIMA, and of the reference group of the GLODAP project (Global Ocean Data Analysis Project).

Cotrim has been a Prociência/UERJ fellow since 2018, is a CNPq Researcher (Level 2), and was awarded the Scientist of Our State (Faperj) fellowship for the 2022–2025 period. She is a single mother of a daughter born in 2008, a self-taught photographer, and an advocate for women in science.



## LETICIA REIS DE CARVALHO

International Seabed Authority

In 2025, she assumed the position of Secretary-General of the International Seabed Authority (ISA), an organization established by the United Nations Convention on the Law of the Sea (Unclos) to regulate states' activities related to marine mineral resources.

Carvalho holds a degree in Oceanology from the Federal University of Rio Grande (FURG) and a Master's degree in Sustainable Development from the University of Brasília (UnB). She has more than two decades of experience in Brazilian environmental regulation, having worked since 2001 as a technical advisor at the Ministry of the Environment, where she later served as General Coordinator in the Department of Environmental Quality and Waste Management.

In 2019, Carvalho began working internationally as a Special Advisor to the United Nations Environment Programme (UNEP), where she advocated for the sustainable management of marine resources. She has negotiated and mediated several international agreements, including those related to the Law of the Sea, the Global Programme of Action for the Protection of the Marine Environment from Land-Based Activities, the Basel, Stockholm and Rotterdam Conventions on Chemicals and Waste, and the Minamata Convention on Mercury.

May 7  
KEYNOTE LECTURE  
9:00 – 10:00  
*“One Ocean, a Shared Responsibility: Global Ocean Governance for the Common Heritage of Humankind”*



## LUANA PINHO

Rio de Janeiro State University (Uerj)

She is an Associate Professor and Teaching Coordinator at the Faculty of Oceanography of the Rio de Janeiro State University (UERJ), where she is also a member of the Agenda 2030 Program.

Pinho holds a degree in Biological Sciences/Ecology from the Federal University of Rio de Janeiro (UFRJ), as well as a Master's and PhD from the same university. During this period, she undertook research exchanges at Uppsala University and Linköping University (Sweden), and at the Mediterranean Institute for Advanced Studies of the

May 5  
PLENARY SESSION II  
14:30 – 16:30  
(Chair)

University of the Balearic Islands (Imedeia-UIB), in Spain. She later completed postdoctoral fellowships at UFRJ and at the Swedish institutions mentioned above. Pinho's research focuses on the biogeochemistry of carbon in aquatic environments (both freshwater and marine). She coordinates the outreach projects "Ocean and Society" and "The Ocean is Theirs", which promote ocean literacy across different sectors of society and the empowerment of women through their participation in science.



**LUIGI JOVANE**  
University of São Paulo

Associate Professor in the Department of Physical, Chemical, and Geological Oceanography at the Oceanographic Institute of the University of São Paulo.

He holds a Ph.D. in Geophysics from the University of Bologna, Italy, and completed a postdoctoral fellowship in paleomagnetism at the University of California, Davis. He is a specialist in magnetic properties, with applications to the study of climate variability and global events.

Jovane is a member of the Pool of Experts (PoE) of the United Nations Regular Process for Global Reporting and Assessment of the State of the Marine Environment. He has organized several oceanographic expeditions in Brazil through the University of São Paulo and the Brazilian Navy. He is also a member of the Scientific Committee of the National Institute for Ocean Research (INPO) and the National Institute of Science and Technology (INCT) for the South Atlantic.



**LUIZ DRUDE DE LACERDA**  
Federal University of Ceará (UFC)

He has been a Full Professor at the Federal University of Ceará (UFC) since 2013. Previously, he was a Full Professor at the Federal University of Rio de Janeiro (UFRJ) and has served as a visiting researcher/professor in Germany, France, and Canada. He holds a degree in Biology, as well as Master's and PhD degrees in Biological Sciences/Biophysics from UFRJ. He is a CNPq Research Fellow (Level 1A).

May 5  
OPENING SESSION  
09:00 – 09:30

May 7  
CLOSING SESSION  
12:30 – 13:00

Lacerda's research focuses on ecology, with an emphasis on biogeochemistry, environmental contamination and monitoring, and the carrying capacity of ecosystems under the impacts of global climate change. He coordinates the National Institute of Science and Technology for the Transfer of Materials from Continent to Ocean (2008–2028).

For the past five years, Lacerda has ranked among the most influential scientists worldwide according to the Stanford University ranking of top scientists. He received the Bunge Prize (2011) in the category Lifetime Achievement in Oceanography and the National Order of Scientific Merit (2018), among other honors.

He is a member of the Scientific Council of the International Society for Mangrove Ecosystems and has been a member of the Future Earth Coasts Academy (FEC Academy) since 2019. Lacerda is also a member of the World Academy of Sciences (TWAS). A member of the Brazilian Academy of Sciences (ABC) since 2009, he has served on its Advisory Council since 2016 and as a Director since 2025. He is the Coordinator of the ABC Magna Meeting 2026.



**MARIA DOMINGUES VARGAS**  
Fluminense Federal University (UFF)

Maria Vargas holds a degree in Chemistry from the Federal University of Minas Gerais (UFMG) and a PhD in Chemistry from the University of Cambridge (United Kingdom), where she served as a Research Fellow and Lecturer at Sidney Sussex College. She was also a Professor at the University of Campinas (Unicamp) and later a Full Professor at the Fluminense Federal University (UFF) in the Department of Inorganic Chemistry.

May 5  
KEYNOTE LECTURE  
13:30 – 14:30  
(Chair)

Her main scientific interests include the bioinorganic chemistry of organometallic compounds of transition metals. She is also dedicated to promoting discussions on Research Ethics and serves on the Permanent Commission on Gender Equity at UFF.

Vargas was elected a member of the Brazilian Academy of Sciences (ABC) in 2006 and served on its Board of Directors during the 2022–2025 term. Since 2024, she has been involved in the implementation of the ABC Memory Project.

She has represented the ABC on the jury of the L'Oréal-Unesco-ABC For Women in Science Program since 2014 and has been a member of the Institutional Council of the *Museu Nacional Vive* initiative since 2022. Since 2023, she has served on the Scientific and Technical Council of the Institute for Pure and Applied Mathematics (IMPA).

Vargas received the Simão Mathias Medal of the Brazilian Chemical Society (SBQ) in 2009, recognizing her long-standing contributions to the society, and in 2019 was awarded the Vanderlan da Silva Bolzani Prize. She also received the VI UFF Prize for Scientific Excellence in 2013 and was honored with the National Order of Scientific Merit, at the rank of Commander (2010) and Grand Cross (2018).



**MONICA COSTA MUELBERT**  
Federal University of Rio Grande (FURG)

She holds a degree in Oceanology from the Federal University of Rio Grande (FURG) and obtained both her Master's and PhD in Biological Oceanography/Ecology from Dalhousie University (Canada).

May 7  
PLENARY SESSION V  
10:00 – 12:00  
(Chair)

Monica Muelbert is a member of the Expert Group on Birds and Marine Mammals of the Scientific Committee on Antarctic Research (SCAR-EGBAMM). She was responsible for the Brazilian component of the Marine Mammals Exploring the Oceans Pole to Pole project (MEOP-API),

which uses marine mammals as platforms for environmental monitoring.

She serves as a coordinator at the Center for Integrated Oceanography (INCT Mar COI) and as a co-investigator in the initiative to establish the Brazilian Acoustic Tracking Network for Marine Animals (Ocean Tracking Network – OTN-Brazil).

Her expertise in applied ecology includes the bioecology of marine mammals from Rio Grande do Sul and Antarctica, particularly the southern elephant seal (*Mirounga leonina*), as well as the conservation and management of aquatic and marine mammals and Antarctic ecosystem ecology. Monica Muelbert is the lead author of the Polar Regions chapter in the Intergovernmental Panel on Climate Change (IPCC) Special Report on the Ocean and Cryosphere in a Changing Climate.



**NILS EDVIN ASP NETO**  
Federal University of Pará (UFPA)

He is a Full Professor at the Federal University of Pará (UFPA), where he has been working since 2005. He serves as a permanent faculty member in the Graduate Programs in Environmental Biology (PPBA), Geology and Geochemistry (PPGG), and Oceanography (PPGOC).

Asp Neto holds a degree in Oceanology from the Federal University of Rio Grande (FURG) (1996), with a specialization in environmental management. He obtained a Master's degree in Marine Geology from the Federal University of Rio Grande do Sul (UFRGS) and a PhD in Coastal Geology from Kiel University (Germany). He also completed postdoctoral research in coastal geomorphology at the University of Vale do Itajaí (Univali) and in oceanography at the University of Washington (USA).

Asp Neto's research focuses primarily on sedimentary dynamics and coastal geomorphology, as well as on the genesis and evolution of continental margin environments, particularly in the Amazon River mouth region. He is a CNPq Research Fellow (Level 1D).

May 6  
PLENARY SESSION III  
10:00 – 12:00  
*“The Importance of the Amazon River Mouth in a Changing Climate Scenario”*



**PATRICIA T. BOZZA**  
Oswaldo Cruz Foundation (Fiocruz)

She is a Senior Researcher at the Oswaldo Cruz Institute (Fiocruz). She holds a degree in Medicine from the Rio de Janeiro State University (UERJ) and a PhD in Sciences/Pharmacology from the Cellular and Molecular Biology Program of the Oswaldo Cruz Institute.

She was a Pew Latin American Fellow in 1994 and carried out her postdoctoral research at Beth Israel Hospital, Harvard Medical School (USA). She also served as a Visiting Professor at the Howard Hughes Medical Institute (2002–2006) and coordinated the Brazilian Committee of the Pew Program in Biomedical Sciences.

May 6  
SPECIAL SESSION  
17:00 – 18:00  
**(Chair)**

Her research group focuses on the cellular and molecular mechanisms involved in inflammatory and metabolic responses to infections, as well as on the role of inflammation and lipid metabolism alterations in obesity and cancer.

She is a CNPq Research Fellow (Level 1A), Regional Vice-President of the Brazilian Academy of Sciences (ABC), and a member of The World Academy of Sciences (TWAS).



## PAULO GADELHA

Oswaldo Cruz Foundation (Fiocruz)

He is a psychiatrist and Senior Researcher at the Oswaldo Cruz Foundation (Fiocruz), where he served as President from 2009 to 2016.

Gadelha holds a degree in Medicine from the Rio de Janeiro State University (UERJ) and specialized in psychiatry and occupational medicine at the Hospital de Clínicas. He earned his PhD from the Sergio Arouca National School of Public Health at Fiocruz.

He has taught at UERJ, the Brazilian Institute of Municipal Administration, the National Historical Museum, Santa Úrsula University, and Cândido Mendes University. He also participated in the creation of the Department of Physiology at UERJ and coordinated and contributed to several research projects and programs related to public health and medical care in Rio de Janeiro.

Gadelha was involved in the creation of the *Casa de Oswaldo Cruz (COC)* at Fiocruz in 1985, a technical-scientific unit dedicated to preserving institutional memory and promoting research, teaching, documentation, and dissemination of the history of public health and biomedical sciences in Brazil. He later served as its Director from 1987 to 1997.

Between 1995 and 2000, he held several coordination positions at Fiocruz. Later, he became President of the institution (2009–2012) and was re-elected for a second term (2013–2016).

Gadelha received the title of Doctor Honoris Causa from the University of York (United Kingdom). He has been awarded the Grand Cross of the National Order of Scientific Merit by the Presidency of the Republic of Brazil and is a Commander of the Order of Rio Branco, awarded by the Brazilian Ministry of Foreign Affairs.

May 6  
SPECIAL SESSION  
17:00 – 18:00  
*“Blue One Health: A Holistic Approach to Health and the Ocean”*



## PIERRE BAHUREL

Mercator Ocean International

He is the CEO of Mercator Ocean International, a global leader in ocean monitoring and forecasting that, since 2014, has operated the European Union’s Copernicus Marine Service, providing free and real-time data on the state of the oceans.

An engineer from École Polytechnique and an oceanographer from Pierre and Marie Curie University

May 6  
KEYNOTE LECTURE  
9:00 – 10:00  
*“Digital Ocean Innovations for the Protection of the Marine Environment and Sustainable Development”*

(France), Bahurel founded Mercator Ocean in 1995, bringing together experts from across Europe to deliver cutting-edge digital services for ocean monitoring, now widely used by governments and companies around the world. Under his leadership, Mercator has begun the process of transforming into an intergovernmental organization dedicated to digital oceanography.

Bahurel advocates for the international structuring of operational oceanography to support a sustainable ocean, promoting a green and digital transition in which ocean knowledge is accessible to all citizens. Committed to the United Nations Decade of Ocean Science for Sustainable Development, he chairs the Decade Collaborative Center for Ocean Prediction, whose main objective is to strengthen and expand ocean forecasting capacity across all continents.



## REGINA RODRIGUES

Federal University of Santa Catarina (UFSC)

She is an Associate Professor at the Federal University of Santa Catarina (UFSC) in the field of physical oceanography and climate. She spent two sabbatical leaves at the Department of Atmospheric, Oceanic and Planetary Physics at the University of Oxford (United Kingdom).

May 5  
PLENARY SESSION I  
10:30 – 12:30  
*“The Ocean and  
Climate Change”*

Rodrigues holds a degree in Oceanography from the Federal University of Rio Grande (FURG), a Master’s degree in Physical Oceanography from the University of São Paulo (USP), and a PhD in the same field from the Graduate School of Oceanography at the University of Rhode Island (USA). She also completed two postdoctoral fellowships at the University of Washington (USA) and at USP, focusing on climate variability and extremes.

Her main research interest is understanding climate variability and extreme events, particularly in South America and the South Atlantic. Her work focuses on the physical mechanisms that generate compound extreme events, such as droughts, terrestrial heatwaves, and marine heatwaves.

Rodrigues coordinates the Natural Disasters Subnetwork of the Brazilian Research Network on Global Climate Change (Rede CLIMA), the Atlantic Panel, the Marine Heatwaves Research Group, and the Climate Risk Panel, all part of the World Climate Research Programme (WCRP) of the World Meteorological Organization (WMO).

She is a member of the Executive Committee of the International Association for the Physical Sciences of the Oceans (IAPSO). She also served as a Review Editor of one of the IPCC Special Reports (AR6 cycle), which contributed to the Gulbenkian Prize for Humanity, awarded by a jury chaired by former German Chancellor Angela Merkel. She currently serves as an editor of the scientific journal *Nature Communications Earth & Environment*.



## SEGEN ESTEFEN

Federal University of Rio de Janeiro (UFRJ)  
National Institute for Ocean Research (INPO)

He is the Director-General of the National Institute for Ocean Research (INPO). An Emeritus Professor at the Federal University of Rio de Janeiro (UFRJ), he holds a Master's degree in Naval and Ocean Engineering from the Alberto Luiz Coimbra Institute for Graduate Studies and Research in Engineering (Coppe/UFRJ) and a PhD in Civil Engineering from Imperial College London. He completed a postdoctoral fellowship at the Norwegian University of Science and Technology.

Estefen served as Director of Coppe/UFRJ (1998–2002), during which the LabOceano was built, a laboratory capable of simulating ocean conditions—at the time, only three similar facilities existed worldwide. During his tenure as Director of Technology and Innovation at Coppe/UFRJ (2007–2013), the China–Brazil Center for Climate Change and Innovative Energy Technologies was inaugurated. In 2011, he coordinated the pilot project of the first wave power plant in Latin America to generate electricity from ocean waves.

He coordinated the Ocean Energy chapter of the Intergovernmental Panel on Climate Change (IPCC) Special Report on Renewable Energy Sources and Climate Change Mitigation (2012).

A CNPq Research Fellow (Level 1A), Estefen is a Fellow of the American Society of Mechanical Engineers and the Society for Underwater Technology (United Kingdom). He is also a member of the National Academy of Engineering (ANE) and of the Brazilian Academy of Sciences (ABC).

May 6  
PLENARY SESSION IV  
14:30 – 16:30  
*“The Ocean’s  
Contribution to the  
Energy Transition”*



## SILVIA DE MARCO

National University of Mar del Plata (Fasta)

She is a Full Professor and researcher at National University of Mar del Plata (Fasta), Argentina, where she obtained her PhD from the Department of Biology of the Faculty of Exact and Natural Sciences at the National University of Mar del Plata. She directs the Research Group on Wetlands and Coastal Environments.

De Marco's research includes biodiversity studies in shallow freshwater ecosystems (streams, ponds, shallow lakes, and coastal lagoons); the biogeochemistry of inorganic nutrients, organic matter, and trace metals in freshwater ecosystems; the physical and chemical characterization of aquatic environments and their relationship with biological conditions; environmental quality control of aquatic ecosystems; environmental conservation; and environmental education programs.

May 7  
PLENARY SESSION V  
10:00 – 12:00  
*“Women Marine  
Scientists Against the  
Current: Navigating  
Gender Inequalities?”*