

**Regular Process for Global Reporting and Assessment of the State of the Marine Environment,
including Socioeconomic Aspects**

**LISTS OF MEMBERS OF WRITING TEAMS
OF THE THIRD WORLD OCEAN ASSESSMENT (WOA III)**

Section 1: Overall Summary

This chapter will be prepared collectively by the Group of Experts of the Regular Process

Section 2: Approach to Assessment

This chapter will be produced by a sub-group of the Group of Experts, with the help of the secretariat.

Section 3: A global overview of ocean governance				
Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Mariamalia Rodríguez	Costa Rica	Programme coordinator - DOALOS/Norway programmes of assistance to meet the strategic capacity needs of developing states in the field of ocean governance and the law of the sea. Post-Doctoral Research Fellow, World Maritime University - Sasakawa Global Ocean Institute. Empowering Women for the United Nations Decade of Ocean Science for Sustainable Development Project. Consultant for the Pew Charitable Trust		F

Co-Lead Members				
Enrique Marschoff	Argentina	<p>Argentine Representative to the Scientific Committee for the Conservation of Antarctic Marine Living Resources and its Working Groups from 1985 to date.</p> <p>Elected member of the 9 person CCAMLR Performance Review Panel.</p> <p>Advisor to the Secretaria de Pesca on the implementation of the CDS and to the Argentine Parliament in the drafting of the Law on Antarctic Fisheries</p>		M
Coordinating Author				
Carina Oliveira	Brazil	Professor, Law Faculty of the University of Brasília	Ocean governance/law of the sea/ International governance	F
Youna Lyons	France	Visiting Associate Professor (Research), Ocean Law and Policy Programme, Centre for International Law (CIL)	science-law-policy in Ios	F
Members of the writing team				
Paul Foley	Canada	Associate Professor, Memorial University of Newfoundland	Ocean governance (sustainability, fisheries, etc) from anthropology perspective	Male
Senia Febrica	Indonesia	Knowledge Exchange Associate, University of Strathclyde	Ocean governance / fisheries / Maritime security / Indo-Pacific	Female
Youngdawng Moh	Republic of Korea	Senior Researcher, KIOST	Ocean governance/ deep seabed mining	Male
Michelle Scobie	Trinidad and Tobago	Professor, International Relations and Global Environmental Governance, University of West Indies	Regional ocean governance/Carribeans	Female

Vonintsoa Rafaly	Madagascar	Postdoctoral researcher, University of Copenhagen	Ocean governance	Female
Sarra Sefrioui	Morocco	Associate Professor, Université Abdelmalek Essaâdi	Ocean governance	Female
Rakhyun Kim	New Zealand	Associate Professor, Utrecht University	Ocean governance	Male

Section 4: Change since the Second World Ocean Assessment

Chapter 1: Drivers

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Jörn Schmidt	Germany	Chair of the Science Committee International Council for the Exploration of the Sea Senior Research Fellow, Marine Food Security Center for Ocean and Society (CEOS) Kiel Marine Science (KMS), Christian-Albrechts-Universität zu Kiel, Germany		M
Co-Lead Members				
Chang-Ik Zhang	Republic of Korea	Professor, World Fisheries University Professor Emeritus, Pukyong University		M
Coordinating Author				
Mike Elliott	United Kingdom	Professor, University of Hull UK	Marine and estuarine ecology, human impacts, marine and estuarine management and policy	Male
Members of the writing team				
Angel Borja	Spain	Principal Investigator, AZTI	Marine ecology, benthic ecology, ecosystem-based management, marine assessment (https://scholar.google.co.uk/citations?user=U6gHv0cAAAAJ&hl=en&oi=ao)	Male
Judith	Trinidad and	Senior Lecturer, University of the	Marine ecology, marine invasives, marine biodiversity	Female

Gobin	Tobago	West Indies	(https://scholar.google.com/citations?user=8yg6kV0AAAAJ&hl=en)	
Thomas Therriault	Canada	Research Scientist, Dept. Fisheries & Oceans Canada	Conservation biology, marine biology, invasive species (https://www.researchgate.net/profile/Thomas-Therriault)	Male
Bruce Glavovic	New Zealand	Professor, Massey University	Post-disaster recovery, risk governance, coastal governance (https://scholar.google.com/citations?user=MT5-Yd4AAAAJ&hl=en)	Male
Thomas Maes	Norway	Senior Scientist, Grid Arendal	Marine litter, microplastics, POP, ecotoxicology (https://scholar.google.com/citations?user=XtywINYAAAAJ&hl=en)	Male
Ida-Maja Hassellöv	Sweden	Professor, Chalmers University	Environmental impact from shipping, ship wreck risk assessment (https://scholar.google.se/citations?user=4xSn1QcAAAAJ&hl=sv)	Female

Section 4: Change since the Second World Ocean Assessment

Chapter 2: Scientific understanding

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Katarina Viik	Estonia	Counselor, European Union Secretariat Government Office of Estonia		Female
Co-Lead Members				
Jörn Schmidt	Germany	Chair of the Science Committee International Council for the Exploration of the Sea Senior Research Fellow, Marine Food Security Center for Ocean and Society (CEOS) Kiel Marine Science (KMS), Christian- Albrechts- Universität zu Kiel, Germany		Male
Coordinating Author				
Antonio di Natale	Italy	Fondazione Acquario di Genova, Expert for Ocean Matters	Marine ecology, fishery management, large pelagic species, marine mammals, MPAs	Male
Members of the writing team				
Pavane Angelee Annasawmy	Mauritius/Africa	Fondation pour la Recherche sur la Biodiversité	Deep sea ecosystems, Seamounts and similar submarine features	Female
Sophie ARNAUD-HAOND	France	Researcher, French Research Institute for Exploitation of the Sea (Ifremer)	Abyssal plains	Female
Michèle Baqués	Argentina/South America	Project Leader, Servicio de Hidrografía Naval	Physical oceanography, boundary currents	Female

		(SHN), Dirección de Investigación de la Armada (DIIV) & UNIDEF/CONICET (Ministry of Defense), Buenos Aires, Argentina		
Jahson Berhane Alemu	Trinidad and Tobago	Research Assistant Professor, Stokes School of Marine and Environmental Sciences, University of South Alabama, Mobile, Alabama	Carbon sequestration and storage, Marine and coastal ecosystem-based management	Female
Robert Blasiak	USA	Human Ocean Theme, Stockholm Resilience Centre, Stockholm University	Marine genetic resources	Male
Nene Bi Tra Boniface	Cote d'Ivoire/Africa	Mapping and Offshore Environment Department at Ministry of Petroleum, Energy and Renewable Energies, Head of the department	Marine geology and geophysics	Male
Ian Butler	Australia/Oceania	Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES), Department of Agriculture, Water and the Environment	Benthic ecology, Fisheries management	Male
Ralf Doering	Germany/Europe	Team leader of the economics unit, Thuenen-Institute of Sea Fisheries, Bremerhaven	Fishery economy, Impact assessment of fishery management options	Male
Erinosho Bolanle	Nigeria	Senior Lecturer, University of Derby	Alteration of oceanographic processes	Female
Luigi Jovane	Italy	Professor, Instituto Oceanográfico da	Paleomagnetism, Geomagnetism, Marine Geology and Geophysics,	Male

		Universidade de São Paulo, Praça do Oceanográfico, 191 - São Paulo, SP 05508-120, Brazil	Spectral Analysis and Astronomical Calibration, Paleoceanography, Seismicity, Seismology and Geodynamics	
Samina Kidwai	Pakistan	Director General, National Institute of Oceanography, Karachi	Biological oceanography, estuaries and deltas	Female
Katrin Kleemann	Germany/Europe	Postdoctoral researcher, Leibniz Institute for Maritime History, German Maritime Museum, Bremerhaven	Effects of extreme climate events, Transdisciplinary/interdisciplinary scientific approaches	Female
Rob Middag	Netherlands	Senior Scientist, Royal Netherlands Institute for Sea Research (NIOZ), Department of Ocean Systems, P.O. Box 59, 1790 AB Den Burg, The Netherlands	role of metals in marine ecosystems	Male
Colin Moffat	UK/Europe	Robert Gordon University, Aberdeen	Pollution: emerging contaminants; traditional contaminants	Male
Fabiana da Silva Paula	Brazil	Research Associate, Oceanographic Institute, University of São Paulo, Brazil	Bioinformatic, scientific expeditions, eDNA, benthic microbial communities, seabed ecology	Female
Bing Qiao	China/Asia	China Waterborne Transport Research Institute, Beijing; Managing Director of the Academic Committee	Marine invasive species, Marine Environmental Safety	Female
Erica Wales	US	Policy Analyst, National Oceanic and Atmospheric Administration	Role of the ocean in the climate system	Female
Peng Zhan	China	Assistant Professor, Department of Ocean Science and Engineering, Southern University	Physical oceanography, Mesoscale and sub-mesoscale oceanic dynamics, Dynamical downscaling and coastal	Male

		of Science and Technology (SUSTECH), Shenzhen, China	dynamics, Marine connectivity	
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Section 4: Change since the second World Ocean Assessment

Chapter 3: Trends in the physical and chemical state of the ocean

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Vasily Smolyanitsky	Russian Federation	Leading scientist-head of laboratory Arctic and Antarctic Research Institute (AARI)		M
Co-Lead Members				
Rafael González-Quirós	Spain	DIRECTOR DEL CENTRO OCEANOGRÁFICO DE GIJÓN INSTITUTO ESPAÑOL DE OCEANOGRAFÍA (IEO-CSIC)		M
Coordinating Author				
Penny Vlahos	USA	Professor, University of Connecticut	Chemical Oceanography	Female
Members of the writing team				
Niki Evelpidou	Greece	Panepistimiopolis, Zografou, Dept. of Geology & GeoEnv.	3.1.3 Sea Level	Female
Manolo Vargas	Spain	Senior scientific, Spanish Institute of Oceanography-Spanish National Research Council	3.1.5 Atlantic Ocean (100 words)	Male
Sam Dupont	Sweden	Senior Lecturer, Manager, Associate Professor, University of Gothenburg	3.2.1 Acidification (200 words)	Male
David N. Thomas	Finland	Professor of Arctic Ecosystems Research, University of Helsinki	3.1.4, sea ice, Arctic, Southern Ocean, DOC	Male
Jelena Knezevic	Greece	P3, Monitoring and Assessment Officer, Mediterranean	3.2.4 Nitrogen. Phosphorus, Trace Nutrients	Female

		Pollution Assessment and Control Programme (MED POL)		
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Section 4: Change since the Second World Ocean Assessment

Chapter 4: Biodiversity

Sub-chapter 4a: Plankton

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Rafael González-Quirós	Spain	DIRECTOR DEL CENTRO OCEANOGRÁFICO DE GIJÓN INSTITUTO ESPAÑOL DE OCEANOGRAFÍA (IEO-CSIC)		M
Co-Lead Members				
Jörn Schmidt	Germany	Chair of the Science Committee International Council for the Exploration of the Sea Senior Research Fellow, Marine Food Security Center for Ocean and Society (CEOS) Kiel Marine Science (KMS), Christian-Albrechts-Universität zu Kiel, Germany		M
Coordinating Author				
Dana Hunt	USA	Associate Professor, Duke University	Marine Microbes, bacterioplankton	Female
Members of the writing team				
Amaranta Focardi	Australia/ Italy	Postdoctoral research associate, University of Technology Sydney	Phytoplankton, viruses	
Nora Gladys Montoya	Argentina	Senior Scientist at the INIDEP, National Institute of Fisheries Research and Development, Paseo Victoria Ocampo N°1, Mar del Plata 7600, Argentina	HABs, marine toxins, analytical chemistry	Female

Inmaculada Herrera Rivero	Spanish	Competitive Postdoctoral Researcher, Grupo de investigación en Biodiversidad y Conservación (BIOCON), Instituto Universitario ECOQUA, Universidad de Las Palmas de Gran Canaria (ULPGC), Telde, Spain	Zooplankton	Female
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Section 4: Change since the second World Ocean Assessment

Chapter 4: Biodiversity

Sub-chapter 4b: Cephalopods

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Eric Okuku	Kenya	Principal Research Scientist, Kenya Marine and Fisheries Research Institute		M
Co-Lead Members				
Joshua Tuhumwire	Uganda	Founder and Managing Director of Gondwana Geoscience Consulting Ltd		M
Coordinating Author				
Michael Vecchione	USA	Zoologist/Senior Scientist, NOAA and Smithsonian	Curator of Cephalopoda	M
Members of the writing team				
Gregory J. Barord	USA	Marine Biology Instructor and Conservation Biologist, Des Moines Public School Central Campus	Nautilid expert	M
Mariana Díaz-Santana-Iturrios	Mexico	Research associate, Cientinela del Mar, A.C.	Squid taxonomy and fisheries	F
Lisa Hendrickson	USA	Research Fisheries Biologist, NOAA, NE Fisheries Science Center	Squid fisheries	F
Evgenia Lefkaditou	Greece	Principal Researcher, Hellenic Centre for Marine Research	Cephalopod ecology	F
Jennifer Mather	Canada	Professor, Department of Psychology, University of Lethbridge	Cephalopod behavior	F
Hassan Moustahfid	USA	Senior Marine Biologist , NOAA	Ecosystem-based fisheries management	M
K.K. Sajikumar	India	Senior Technical Assistant, ICAR-	Cephalopod taxonomy,	M

		Central Marine Fisheries Research Institute	ecology, fisheries	
Hideaki Kidokoro	Japan	Deputy Director, Japan Fisheries Research and Education Agency	Fisheries	M
Warwick H. H. Sauer	South Africa	Professor, Rhodes University	Cephalopod fisheries	M
Henk-Jan Hoving	Germany	Working Group Leader, Dee-Sea Biology GEOMAR Helmholtz Centre for Ocean Research Kiel	cephalopod biology and ecology	M

Section 4: Change since the second World Ocean Assessment

Chapter 4: Biodiversity

Sub-chapter 4c: Marine benthic invertebrates

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Mehdi Ghodrati Shojaei	Iran	Assistant Professor Department of Marine Biology, Tarbiat Modares University		M
Co-Lead Members				
Karenne Tun	Singapore	Deputy Director, Coastal and Marine National Biodiversity Centre, National Parks Board (NParks)		F
Coordinating Author				
Lis Lindal Jorgensen	Norwegian	Senior Scientist, Institute of Marine Research (Dr.)	Arctic marine biology and biogeography, including benthic ecology	F
Members of the writing team				
André Pardal	Brazilian	Postdoctorate Research Fellow, Federal University of Sao Paulo (UNIFES)	Benthic ecology, Rocky shore ecology, urban ecology	Male
Amarachi Onyena	Nigeria	Lecturer I, Nigeria Maritime University Okerenkoko	Benthic ecology, Ecological quality, Pollution and risk assessment	Female
Anya Dunham	Canadian	Research Scientist, Fisheries and Oceans Canada	Benthic ecology, biogenic habitats, invasive species, marine conservation	Female
Bruce Glavovic	New Zealand; South Africa	Professor, Massey University, NZ	Coastal and ocean governance; SDGs; socio-political, cultural, political dimensions	Male
Christina Pavloudi	Greek	Postdoctoral Researcher, EMBRC-ERIC	Benthic ecology, Marine microbiology	Female
Daniela Y. Gaurisas	Colombian	Postdoc, Universidade Federal do Espírito Santo (UFES)	Benthic biodiversity and ecology, deep-sea and sandy shore ecology	Female
Denis V.	Russian	Senior scientist,	Arctic Benthic ecology,	Male

Zakharov		Zoological Institute RAS	biodiversity, biogeography	
Elva Escobar	Mexico	Full time Professor, Universidad Nacional Autónoma de México (UNAM); Instituto de Ciencias del Mar y Limnología (ICML)	Deep sea benthic biodiversity, tropical ecosystems; Eastern Tropical Pacific & Gulf of Mexico , N Caribbean	Female
Evangelia Chatzinikolaou	Greek	Research Fellow, Institute of Marine Biology, Biotechnology and Aquaculture - Hellenic Centre for Marine Research (Dr.)	Marine biodiversity, Benthic ecology, Impacts of climate change, ocean acidification and pollution on benthic organisms	Female
Gordon James Watson	British	Professor of Marine Zoology, University of Portsmouth (Professor)	Benthic ecology, temperate systems, inter-tidal fisheries and pollution	Male
Hiroko Muraki Gottlieb	Japan	Associate, Elisabeth Haub School of Law at Pace University	Ocean governance (law and policy), SDGs, ocean-climate change nexus	Female
Hongjun Li	China	Researcher, National Marine Environmental Monitoring Center	Taxonomy, benthic ecology, ecological quality evaluation	Male
Huw James Griffiths	British	Marine Biogeographer, British Antarctic Survey	Polar marine biology and biogeography, including benthic ecology	Male
Izwandy Idris	Malaysian	Doctor of Philosophy, South China Sea Repository and Reference Centre, Institute of Oceanography and Environment, Universiti Malaysia Terengganu	Benthic ecology and diversity	Male
Jayachandran Paravanparambil Rajakumar	India	Post Doctoral Fellow, King Fahd University of Petroleum & Minerals	Benthic ecology & diversity, Ecological quality, Marine ecotoxicology & Pollution and Invasive species	Male
Jonne Kotta	Estonia	research professor, vice director, University of Tartu	Benthic ecology, cumulative impact assessment, low trophic aquaculture, non-indigenous species, climate change, modelling spatiotemporal patterns in marine ecosystems	Male

Kerry Sink	South african	Principal scientist, South African National Biodiversity Assessment	Marine ecosystem classification and assessment, Spatial planning, benthic ecology, science policy practitioner	Female
Lara Atkinson	South African	Biodiversity Scientist, South African Environmental Observation Network	Benthic ecology, benthic impacts, deep-sea ecology, foundational biodiversity data, monitoring	Female
Laurent Guérin	France	International scientific & technical coordination of the expertise on marines' biodiversity and non-indigenous species, French Biodiversity Agency	Benthic ecology & diversity, Ecological quality and non-indigenous species (Pan-European seas)	Male
Leen Vandepitte	Belgian	marine biologist project manager at data centre, Flanders Marine Institute (VLIZ)	Taxonomy, Global biodiversity data systems	Female
Lennert Schepers	Belgian	project manager at data centre, Flanders Marine Institute (VLIZ)	Biodiversity informatics, spatial data, global databases	Male
Marcel Miranda	Brazil	Post-doctorate researcher, Universidade de São Paulo	Taxonomy, Ecology and Biogeography of Deep-Sea Benthic Habitats	Male
Pat Hutchings	Australian	Senior Fellow, Australian Museum	Polychaete taxonomy, benthic ecology	Female
Rachel Przeslawski	Australian	Research leader, NSW Fisheries	Benthic ecology, deep-sea ecology	Female
Sebastian Herrera Kasic	Chilean	UNEMPLOYED, LOOKING FOR A JOB AND BUILDING AN EXTERNAL ADVISORY BUSINESS, Independent Professional with Technical Advisory Services in Chile and Mesoamerica on Ecosystem Approach and Decent Work in Small Scale Fisheries and Aquaculture / &	Ocean Governance / Management and Public Policies / Small-Scale Fisheries and Aquaculture in Latin America / Decent Work in Artisanal Fishing and Aquaculture / Diving Occupational Safety and Health	Male

		External Consultant to FAO, Rome (PSA contract).		
Paris Stefanoudis	Greece	University of Oxford	Benthic and fish ecology & diversity; Coral Reef Ecology; Deep-Sea Biodiversity	Male
Daniela Gaurisas	Columbia	Postdoc, Universidade Federal do Espírito Santo (UFES)	Benthic ecology / Continental shelf sea-bed habitats	F
Mehdi Bolouki Kourandeh	Iran	Head of marine ecology group, Coral Expert, Iran Department of Environment	Marine Benthos, Marine Biodiversity	Male

Section 4: Change since the second World Ocean Assessment

Chapter 4: Biodiversity

Sub-chapter 4d: Fishes

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Enrique Marschoff	Argentina	<p>Argentine Representative to the Scientific Committee for the Conservation of Antarctic Marine Living Resources and its Working Groups from 1985 to date.</p> <p>Elected member of the 9 person CCAMLR Performance Review Panel.</p> <p>Advisor to the Secretaria de Pesca on the implementation of the CDS and to the Argentine Parliament in the drafting of the Law on Antarctic Fisheries</p>		M
Co-Lead Members				
Chang-Ik Zhang	Republic of Korea	<p>Professor, World Fisheries University</p> <p>Professor Emeritus, Pukyong University</p>		M
Coordinating Author				
Ian Butler	Australia	<p>Assistant Director/Fisheries Scientist Australian Bureau of Agricultural and Resource Economics and Sciences, Centre for Marine Socioecology, CoraLogic</p> <p>Environmental Consulting</p>	<p>PhD Marine Ecology, Published on fish stock status, climate change and fisheries, coral reef ecology</p>	M
Members of the writing team				
Fernanda de	Brazil	"Post Doctoral	PhD in fisheries, Federal Rural University of	Female

Oliveira Lana		Researcher	Pernambuco. Published on sharks and other elasmobranchs, etc.	
Gladys Okemwa	Kenya	"Principal Research Scientist	PhD Fisheries Management, Tuna fisheries	Female
Maximilian Hirschfeld	Germany	Marine Ecologist/Senior Researcher Galápagos Science Center, Ecuador	PhD sharks, James Cook University, Galapagos Science Center	Male
Burcu Bilgin Topcu	Turkiye	Senior Fisheries Officer/European Union Expert Ministry of Agriculture and Forestry, General Directorate of Fisheries and Aquaculture	PhD in fisheries, Ankara University. Published on management of tuna and swordfish, fisheries discards, etc.	Female
Alba Jurado-Ruzafa	Canary Islands (Spain)	Research Assistant Spanish Institute of Oceanography (IEO, CSIC), Oceanographic Centre of the Canary Islands.	PhD Fish biology and artisanal fisheries. FAO/CECAF working group-small pelagic fish assessment (NW Africa).	Female
Jin-Hyoung Kim	South Korea	Research Scientist/Professor Korea Polar Research Institute	PhD South Korea, Polar research	Male
Sergii Snigirov	Ukraine	Lead Researcher Odessa National I. I. Mechnikov University	PhD Ukraine, Odessa University, Fish biology, black sea area	Male
Manuel Hidalgo	Spain	Research Scientist Spanish Institute of Oceanography, Spanish National Research Council (IEO, CSIC)	PhD Marine Science. Population dynamics Hake	Male
Antonio Di Natale	Italy	Director Aquastudio Research Institute	Pelagic fisheries	Male
Salvador Zarco-Perello	Mexico	Researcher University of New Hampshire	PhD Australia, UWA Temperate and tropical fish biology, herbivory	Male

Section 4: Change since the second World Ocean Assessment

Chapter 4: Biodiversity

Sub-chapter 4e: Marine mammals

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Katarina Viik	Estonia	Counselor, European Union Secretariat Government Office of Estonia		F
Co-Lead Members				
Carmen Mifsud	Malta	Senior Environment/Enforcement Officer at ERA - Environment & Resource Authority Visiting Lecturer at University of Malta and at the IMO-International Maritime Law Institute (IMLI)		F
Coordinating Author				
Ellen Hines	USA	Institute of Oceanography, Federal University of Rio Grande"	Population and community ecology of threatened and endangered species	Female
Members of the writing team				
Luciano Dalla Rosa	Brazil	"Professor;	Ecology and conservation of marine vertebrates, especially cetaceans; species distribution modelling, biotelemetry, cetacean population dynamics, cetacean-fisheries interactions, and Southern Ocean ecosystems with a focus on the ecology of fin, humpback and killer whales	Male
Songhai Li	China	Professor of Geography and Environment; San Francisco State University, Estuary & Ocean Science Center,	"Marine mammals (whales, dolphins, porpoises, sea lions,	Male
Caterina	Italy	"Director, Marine	seals, dugongs, and so on) ;	Female

Fortuna		Mammal and Marine	bioacoustics , ecology, biology, and evolution of marine mammals"	
Kit Kovacs	Norway	Bioacoustics Laboratory ; Institute of Deep sea Science and Engineering, Chinese Academy of Sciences"	Conservation of charismatic marine species (cetaceans, sea turtles, elasmobranchs). European waters, Mediterranean and Black Sea.	Female
Daniel Costa	USA	Senior researcher; Italian National Institute for Environmental Protection and Research (ISPRA)	Biology, conservation and management of whales and seals	Male
Miroirdine Kamardine Mabrouk	Comoros	Biodiversity Research Section Leader, Norwegian Polar Institute; Adjunct professor of biology, Marine Biology, at the University Centre in Svalbard; Norwegian Polar Institute; University Centre in Svalbard	Upper trophic level biology and ecology (birds and marine mammals), Ocean noise	Male
Shambhu Paudel	Nepal	"Distinguished Professor; University of California, Santa Cruz	Marine mammals, Seagrasses	Male
Andre Silva Barreto	Brazil	Director Institute of Marine Science	River dolphins, impacts, hydrology	Male

Section 4: Change since the second World Ocean Assessment

Chapter 4: Biodiversity

Sub-chapter 4f: Marine reptiles

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Carmen Mifsud	Malta	Senior Environment/Enforcement Officer at ERA - Environment & Resource Authority Visiting Lecturer at University of Malta and at the IMO-International Maritime Law Institute (IMLI)		F
Co-Lead Members				
Ian Butler	Australia	Fisheries Scientist at the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) - Canberra		M
Coordinating Author				
Vinay Udyawer	New Zealand	Charles Darwin Foundation, Ecuador	Taxon: Marine Snakes, Marine Turtles, Saltwater crocodiels, Region: global	M
Members of the writing team				
Bryan Wallace	USA	Director, Ecolibrium, Inc. Assistant Professor Adjunct, University of Colorado Boulder	Taxon: marine turtles Region: Americas, Atlantic Ocean, Pacific Ocean	M
Mariana Fuentes	United States, Brazil	Associate Professor Marine Turtle Research, Ecology and Conservation Group Earth, Ocean and Atmospheric Science, Florida State University Room 6093 EOAS, 1011 Academic Way, Tallahassee, FL 32304	Taxon: marine turtles Region: Americas, Atlantic Ocean, Pacific Ocean	F
Gabriel Hoinsoode Segniagbeto	Togo	Zoologist, Full Professor Coordinator of Scientific Authority of CITES of	Taxon: Marine turtles, Region: West and Central Africa	M

		Togo Focal Point of IOC- UNESCO of Togo Laboratory of Ecology & Ecotoxicology (LaEE), Faculty of Sciences University of Lome, BP 6057 Lomé (Togo)		
Arne Rasmussen	Denmark	Associated Professor, Royal Danish Academy, Denmark	Taxon: sea snakes Region: Indian Ocean, Pacific Ocean, Asia, Oceania	M
Andrea Phillott	Australia	Professor, FLAME University, India	Taxon: marine turtles Region: Pacific Ocean, Indian Ocean	F
Maximilian Hirschfeld	Germany	Senior Associate Researcher, Galapagos Science Centre, Ecuador	Taxon: Marine Iguanas, Region: Galapagos	M
Ruchira Somaweera	Australia	Principal Scientist, Stantec, Australia	Taxon: Saltwater Crocodile, Region: Global	M
Yaniv Levy	Israel	Principal Scientist, Nature and Parks Authority, Israel	Taxon: Marine turtles, Region: Mediterranean	M

Section 4: Change since the second World Ocean Assessment

Chapter 4: Biodiversity

Sub-chapter 4g: Seabirds

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Slimane Maliki	Morocco	Chef de Service de la Planification et de la Coordination Interministérielle Direction de l'Observation, des Études et de la Planification Ministère de la Transition Énergétique et du Développement Durable		M
Co-Lead Members				
Katarina Viik	Estonia	Counselor, European Union Secretariat Government Office of Estonia		F
Coordinating Author				
Maria Dias	Portugal	Assistant professor, Faculty of Sciences, Univ. of Lisbon	Global; petrels	F
Members of the writing team				
Esteban Frere	Argentina	Full professor, Universidad Nacional de la Patagonia Austral	Americas; penguins; seabird & fisheries interactions; MPAs	Male
Tammy Davies	UK	Marine Science Coordinator, BirdLife International	Global; MPAs	Female
Ross Wanless	South Africa	Seabird project manager and fisheries/marine consultant CCSBT	Africa, albatrosses; seabird & fisheries interactions	Male
Steph Borrelle	New Zealand	Pacific Marine Regional Coordinator, BirdLife International	Pacific; plastics; restoration	Female
Martin Beal	USA & Sweden	Researcher, Faculty of Sciences, Univ. of Lisbon	Global; Europe; procellariiformes and charadriiformes	Male

Carolina Hazin	Brazil & UK	Senior Policy Advisor, The Nature Conservancy	Global; Americas; policy interface	Female
Patricia Serafini	Brazil	Researcher, Instituto Chico Mendes de Conservação da biodiversidade	Southern Oceans; diseases; offshore wind farms	Female
Jana Jeglinski	Germany	Researcher, University of Glasgow	Europe; avian flu; gannets and boobies	Female

Section 4: Change since the second World Ocean Assessment

Chapter 4: Biodiversity

Sub-chapter 4h: Marine plants

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Mehdi Ghodrati Shojaei	Iran	Assistant Professor Department of Marine Biology, Tarbiat Modares University		M
Co-Lead Members				
Carmen Mifsud	Malta	Senior Environment/Enforcement Officer at ERA - Environment & Resource Authority Visiting Lecturer at University of Malta and at the IMO-International Maritime Law Institute (IMLI)		F
Coordinating Author				
Jason Hall-Spencer	UK	Professor of Marine Biology, University of Tsukuba, Shimoda, Japan	Marine Biology	M
Members of the writing team				
José Souto Rosa Filho	Brazil	Professor, Federal University of Pernambuco - Department of Oceanography (Professor)	Benthos, Mangroves, seagrass, seaweed, beach ecology, coral reefs	Male
Mario Luiz Gomes Soares	Brazil	Professor, Rio de Janeiro State University (Dr.)	Mangrove Ecology	Male
Edwin Lanfranco	Malta	Ex University Lecturer, University of Malta (Dr.)	Algae and Plants expert, Region: Mediterranean, Atlantic Ocean, Career level: Late	Male
Nahid Osman	Sudan	Lecturer, Faculty of Marine Science, Red Sea University (Dr.)	Coastal vegetation and coastal management	Female
Lu Yang	China	National Marine Data and Information Service, China	Marine plankton, blue ecosystem restoration	Female

Nata Tavonvunchai	Thailand	Project Development Advisor - Blue Economy & Marine Natural Capital	Blue carbon governance / finance / projects (mangroves, seagrass, saltmarsh, seaweed)	Female
Joel Christopher Creed	UK	Professor, Universidade do Estado do Rio de Janeiro	Seagrass	Male
Mat Vanderkift	Australia	Research group leader, CSIRO Environment	Seagrass, Indian Ocean region	Male
Dorsaf Kerfahi	Tunisia	Assistant Professor, Keimyung University Korea	Marine soil microbiology	Female
Erik van Doorn	Netherlands	Lecturer, Dutch-University of Wollongong	law of the sea, international environmental law	Male
Emad Koochaknejad	Iran	Researcher, Iranian National Institute of Oceanography and Atmospheric Science	Marine ecology	Male
Wenhai Lu	China	Director of the division of Marine Ecology, National Marine Data and Information Service, China	Blue carbon ecosystem (salt marsh, mangrove, seagrass) conservation, management and trading	Male

Section 4: Change since the second World Ocean Assessment

Chapter 4: Biodiversity

Sub-chapter 4i: Algae other than phytoplankton

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Carmen Mifsud	Malta	Senior Environment/Enforcement Officer at ERA - Environment & Resource Authority Visiting Lecturer at University of Malta and at the IMO-International Maritime Law Institute (IMLI)		F
Co-Lead Members				
Felicia Mogo	Nigeria	President/founder African marine Environment sustainability Initiative (AFMESI)		F
Coordinating Author				
Elizabeth Cottier-Cook	UK	Professor, Scottish Association for Marine Science	Seaweed biosecurity - 20 yrs experience	F
Members of the writing team				
Phaik Eem Lim	Malaysia	Professor, University of Malaysia	Macroalgae / Aquaculture sustainability, Phycologist with 30+ yrs experience	F
Juliet Brodie	UK	Natural History Museum	Phycologist with 30+ yrs experience	F
Christine Maggs	UK	Honorary Professor, Queen's University Belfast	Macroalgae / Marine invasive species, Phycologist with 30+ yrs experience	F
Olivier De Clerk	Belgium	Professor, University of Gent	Algal production and economics / Kelp forests and algal beds, Phycologist with 20+ yrs experience	M
Heroen Verbruggen	Australia	Associate Professor, University of Melbourne	Marine genetic resources / Macroalgae, Phycologist	M

			with 30+ yrs experience	
Jo Wilbraham	UK	Principal Curator, Natural History Museum	Macroalgae / Kelp forests and algal beds, Phycologist with 30+ yrs experience	F
Lui Tao	China	Professor, University Ocean China	Biological oceanography / Phycologist with 20+ yrs experience	M
Flower Msuya	Tanzania	Chairperson, Tanzania Seaweed Cluster	Macroalgae / Mariculture, Phycologist with 20+ yrs experience	F
Nair Yokoya	Brazil	Professor, Environmental Research Institute, São Paulo, Brazil	Algal production and economics (seaweed cultivation and biotechnology), and the region of specialization is The South Atlantic Ocean and the Wider Caribbean	F
Franciane Pellizzari	Brazil	Associate Professor, Paraná State University		F
Sophie Corrigan	UK	Post-doctoral Researcher, Natural History Museum		F

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Chapter 5: Habitats

Sub-chapter 5a: Intertidal zone

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Eric Okuku	Kenya	Principal Research Scientist, Kenya Marine and Fisheries Research Institute		M
Co-Lead Members				
Tymon Zielinski	Poland	Institute of Oceanology, Polish Academy of Sciences (IO PAN), Sopot, Poland. - Professor.		M
Coordinating Author				
Martin Zimmer	Germany	Professor, Leibniz Centre for Tropical Marine Research, ZMT Bremen	Solutions for carbon-sequestration in coastal ecosystems	M
Members of the writing team				
Pilar Lorena Munoz Muga	Chile	Vice-Rectorate for Outreach and Engagement, Universidad de Valparaíso	Kelp forests	Female
Niki Evelpidou	Greece	Professor, National & Kapodistrian University of Athens	Sea level-rise	Female
Sheila Nyang'anyi Rioba	Kenya	FISHERIES OFFICER, Kenya Fisheries Service	Ecosystem restoration	Female
Guoxiang Liao	China	Deputy Director of Marine Ecological Supervision Department, National Marine Environmental Monitoring Center	Intertidal habitats	Male
José Ernesto Mancera	Colombia	Associate Professor, Universidad Nacional de Colombia	Mangrove forests	Male
Christopher Narinder Singh	UK	Senior (Fisheries) Environmental	Indigenous/traditional	Male

Poonian		Specialist, KAUST Beacon Development / Innovation, Saudi Arabia	knowledge	
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Section 4: Change since the second World Ocean Assessment

Chapter 5: Habitats

Sub-chapter 5b: Biogenic reefs and sandy, muddy and rocky shore substrates

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Roberto de Pinho	Brazil	Senior Science and Technology Analyst at the Brazilian Ministry of Science, Technology and Innovation, currently working at the General Coordination for the Ocean and Antarctica and delegate to the OECD's National Expertson Scienceand Technology Indicators Working Party (NESTI), the Global Science Forum (GSF) and to the Intergovernmental Oceanographic Commission (IOC) Assembly		M
Co-Lead Members				
Felicia Mogo	Nigeria	President/founder African marine Environment sustainability Initaitive (AFMESI)		F
Coordinating Author				
Ronaldo Christofoletti	Brazil	Universidade Federal de São Paulo	Rocky shore Ecology, sand shores, coastal biodiversity, ocean literacy	M
Members of the writing team				
Stuart Jenkins	UK	Bangor University	North Atlantic rocky shore and sand shore ecology	Male
Maria Gabriela Palomo	Argentina	National History Museum	South Atlantic and Wider Caribeenan, Rocky shore Ecology,	Female
Kira Krumhansl	Canada	Fisheries and Oceans	Biological Oceanography,	Female

		Canada – Bedford Institute of Oceanography	Marine Ecology Physical Oceanography	
Barbara Ramos Pinheiro	Brazil	Post Doc researcher, Universidade Federal de Alagoas	Atlantic Ocean, Wider Caribbean	Female
Gray Williams	UK	Hong Kong University	Indian Ocean, Rocky and muddy shore Ecology,	Male
Dahai Liu	China	The First Institute of Oceanography (FIO), Ministry of Natural Resources (MNR)	Indian Ocean, link with other Chapters	Male
Omar Defeo	Uruguay	Faculty of Sciences,	Sand shore ecology	Male
Moisés Andrés Aguilera Moya	Chile	Universidad Adolfo Liberales	Rocky shore ecology	Male
Juliet Furaha Karisa	Kenya	Kenya Marine and Fisheries Research Institute	Biogenic reefs and sandy, muddy and rocky shore substrates	Female
Rebecca Morris	Australia	University of Melbourne	rocky shore ecology, biogenic reefs	Female
Corrine Almeida	Cape Verde	Atlantic Technical University	coastal ecosystem, South Atlantic	Female

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Chapter 5: Habitats

Sub-chapter 5c: Atoll and island lagoons

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Roberto de Pinho	Brazil	Senior Science and Technology Analyst at the Brazilian Ministry of Science, Technology and Innovation, currently working at the General Coordination for the Ocean and Antarctica and delegate to the OECD's National Expertson Scienceand Technology Indicators Working Party (NESTI), the Global Science Forum (GSF) and to the Intergovernmental Oceanographic Commission (IOC) Assembly		M
Co-Lead Members				
Felicia Mogo	Nigeria	President/founder African marine Environment sustainability Initaitive (AFMESI)		F
Coordinating Author				
Luigi Jovane	Italy	Full Professor, Univrersidade de Sao Paulo	Carbonaceous systems	M
Members of the writing team				
Jody Webster	Australia	University of South Wales	Carbonaceous systems	Male
Andre Droxler	USA	Rice University	Carbonaceous systems	Male
Andrea Rovere	Italy	Universita di Venezia Ca Foscari	Sea-Level Changes	Male

Antónia Correia	Portugal	Professor, Lusofona University, Portugal	Economics	Female
Barbara Pinheiro	Brazil	Scientific and Technological Development Program, Universidade Federal de Alagoas	Corals	Female
Mohamed Shiham Adam	Maldives	Director for Science and the Maldives, International Pole & Line Foundation (IPNLF)	Expertise in marine biodiversity, conservation, and population ecology of coral reef sharks and rays; the taxonomy, distribution, and ecology of marine insects in the Indo-Pacific	Male
Miguel Esteban	UK	Professor, Waseda University	Atolls, coastal and island lagoons	Male
Viatcheslav Ivanenko	Russia	Head of the Master's Program "Marine Biodiversity and Bioresources" Biology Faculty, Shenzhen MSU-BIT University, China Leading Researcher Biology Faculty, Lomonosov Moscow State University, Russia	Corals	Male
Bassey Dimithe Bang Eline	Cameroon	Founder/President, Green Ladies	Social and Human impacts	Female
Mayra Alejandra Briones Torres	Ecuador	Coordinadora del Área de Eléctricos y Otros Sectores / Dirección de Regularización Ambiental, Ministry of Environment, Water, and Ecological Transition	Environmental Impacts	Female
Ryan Daly	South Afrtica	Rhodes University	Sharks	Male

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Chapter 5: Habitats

Sub-chapter 5d: Tropical and subtropical coral reefs

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Karenne Tun	Singapore	Deputy Director, Coastal and Marine National Biodiversity Centre, National Parks Board (NParks)		F
Co-Lead Members				
Mehdi Ghodrati Shojaei	Iran	Assistant Professor Department of Marine Biology, Tarbiat Modares University		M
Coordinating Author				
Michael John Sweet	United Kingdom of Great Britain and Northern Ireland - GBR	Head of the Nature- based Solutions Research Centre, University of Derby	Research grant received on “Accelerating coral reef conservation, restoration, and sustainable business development in developing nations using ex situ coral spawning” – CORDAP 2023-2026 (US\$895,775)	M
Members of the writing team				
Maria Beger	Germany	Associate Professor in Conservation Science, School of Biology, University of Leeds	Incorporating genetic measures of connectivity and adaptation in marine spatial planning for corals	Female
Francesca Benzoni	Italy	Associate Professor of Marine Science, King Abdullah University of Science and Technology (KAUST)	Coral taxonomy, evolution and diversity, coral biogeography, benthic habitat characterization and mapping	Female
Emma Camp	Australia	Lecturer, University of Technology Sydney, Australia	Resolving the threat of ocean deoxygenation to coral resilience	Female
Javier del Campo	Spain	"Chair of the Biodiversity Department at the Institut de Biologia Evolutiva, CSIC - UPF	Ecosystem services provided by echinoderm holobionts in coastal zones	Male

		(Barcelona,		
Kerri Laura Dobson	United Kingdom of Great Britain and Northern Ireland - GBR	Spain)."	Multiple stressor effects on coral physiology and biogeochemistry	Female
Nohora Galvis	Colombia - COL	Postdoctoral researcher: Cryptic speciation in coralline algae, University of North Carolina at Chapel Hill, USA	Analysis of the Decision Support Systems for the Conservation of the Capurgana-Cabo Tiburón and Varadero Coral Reefs in Colombia	Female
Gillian Goby	Australia	Coordinator, International Coral Reefs Observatory	International ocean policy development; climate change vulnerability assessment and adaption planning	Female
Simon Harding	United Kingdom of Great Britain and Northern Ireland - GBR	EXECUTIVE Director + Chief Oceans Advisor, MCC SUSTAINABLE FUTURES	Coral reef resource and biodiversity assessments, marine conservation planning and habitat mapping, small-scale fisheries	Male
Danwei Huang	Singapore	Freelance Marine Consultant	Environmental concentrations of herbicide prometryn render stress-tolerant corals susceptible to ocean warming	Male
Tries Razak	Indonesia	"Associate Professor, Department of Biological Sciences	Legal framework for coral reef restoration in Indonesia	Female
Buki Rinkevich	Israel	National University of Singapore"	Awarded Henry Ford European Conservation awards-reef restoration	Male
Marie-Lise Schläppy	Switzerland	"Affiliate Faculty Member, Faculty of Graduate Studies, Department of Biology,	Spatial & temporal biodiversity of benthic natural communities in Northern Australia; spatial & temporal analysis of sessile invertebrates on oil and gas infrastructure	Female
Curt Dalon Storlazzi	United States of	University of Victoria, Canada"	Coral reef and rocky shoreface morphology,	Male

	America - USA		hydrodynamics, sediment distribution and the resulting modes of sediment transport	
Parviz Tavakoli-Kolour	Iran	Professor, Faculty of Science and Science Education, University of Haifa	Effects of global warming on reef-building corals; coral reef acclimation and adaptation mechanisms	Male
Sancia van der Meij	Netherlands	Research scientist. Benthic ecologist. Australian Institute of Marine Sciences (AIMS), Perth, Australia	Adaptive divergence, biogeography, biodiversity, coral reefs, cospeciation, Crustacea, diversification	Female
Viatchelav Ivanenko	Russian Federation	Research Geologist, Coastal and Marine Hazards and Resources Program, US Geological Survey	Diversity, evolution and ecology of crustacean copepods living in symbiosis with shallow water marine invertebrates (corals, sponges, echinoderms etc)	Male
Jenny Villalobos	Colombia	Technical assistant at Prof. Takahashi Lab, University of the Ryukyus, Japan	Ecological consequences faced by coral reefs in the presence of diseases and other threats in the ecosystem	Female
Christian R Voolstra	Germany	Assistant Professor, University of Groningen	Coral microbial ecology; coral metaorganism structure & function; coral symbiosis; adaptive capabilities and biotic response of coral holobionts to environmental change	Male
Brian K Walker	United States of America - USA	Research Program Director at Nova Southeastern University's Halmos College of Natural Sciences and Oceanography	Coral disease intervention, spatial ecology, community biogeography, coral reef ecology and geology, reef fish ecology	Male
Zoe Richards	Australia	Specialist in Reef Organism Pathology, Instituto Politécnico Nacional-Centro Interdisciplinario de Ciencias Marinas	Leader Coral Conservation and Research Group, Trace & Environmental DNA Laboratory, School of Molecular & Life Sciences,	Female

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Chapter 5: Habitats

Sub-chapter 5e: Cold water corals and sponges

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Juying Wang	China	Director General, PHD National Marine Environmental Monitoring Center, Ministry of Ecology and Environment, PR China		F
Co-Lead Members				
Joshua Tuhumwire	Uganda	Founder and Managing Director of Gondwana Geoscience Consulting Ltd		M
Coordinating Author				
Erik Cordes	U.S.	Temple University	Previous Coordinating Author on WOA I and II	M
Members of the writing team				
Sebastien Hennige	U.K.	Senior Lecturer, University of Edinburgh, Scotland, UK	Previous author on WOA I and II	Male
Narissa Bax	New Zealand	University of Tasmania	Cold-water stlyasterid corals, polar regions, South Pacific, member of GOOS	Female
Jorge Cortes	Costa Rica	Professor Emeritus, University of Costa Rica	Extensive experience with shallow and deep corals, conservation, ecology, Eastern Tropical Pacific, Caribbean	Male
Kerry Sink	South Africa	Principal scientist, South African National Biodiversity Institute	Extensive experience with shallow and deep corals, conservation, ecology, South Atlantic and Indian Ocean	Female

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Chapter 5: Habitats

Sub-chapter 5f: Estuaries and deltas

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Tymon Zielinski	Poland	Institute of Oceanology, Polish Academy of Sciences (IO PAN), Sopot, Poland. - Professor.		M
Co-Lead Members				
Juying Wang	China	Director General, PHD National Marine Environmental Monitoring Center, Ministry of Ecology and Environment, PR China		F
Coordinating Author				
Feng Zhou	China	Professor, Second Institute of Oceanography, Ministry of Natural Resources	Numerical modelling, physical-biogeochemical coupling in hypoxia, phytoplankton blooms etc	M
Members of the writing team				
Hans Burchard	Germany	Full Professor, Leibniz Institute for Baltic Sea Research	Physical Oceanography and Instrumentation	Male
Pablo Muniz Maciel	Uruguay	Head of Sección Oceanografía y Ecología Marina de la Facultad de Ciencias, Oceanografía & Ecología Marina Instituto de Ecología y Ciencias Ambientales, University of the Republic, Uruguay	PhD, University of Sao Paulo. Contributor to Chapter 44 (Estuaries and deltas) of WOA I. Published on estuarine sediments, coastal pollution, benthic estuarine communities, etc.	Male
Wenxia Zhang	China	Associate professor , Second Institute of Oceanography, Ministry of Natural Resources	PhD, Texas A&M University. Associate research scientist with expertise in physical- biogeochemical modelling of coastal marine	Female

			environment.	
Ricardo J. Torres	UK	Merit Scientist, Plymouth Marine Laboratory, Prospect Place, West Hoe, Plymouth PL1 3DH. Tel: +44 1752 633448; Fax: +44 1752 633100	Ricardo has over 20 years' experience in mesoscale physical oceanography that includes a PhD from the University of Wales, Bangor	Male
Qicheng Meng	China	Associate Researcher, Second Institute of Oceanography, Ministry of Natural Resources	Ph.D, University College London: London, UK. Research focus on mesoscale and sub-mesoscale processes and their impact on biogeochemical processes, numerical modelling.	Male

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Chapter 5: Habitats

Sub-chapter 5g: Seagrass meadows

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Karenne Tun	Singapore	Deputy Director, Coastal and Marine National Biodiversity Centre, National Parks Board (NParks)		F
Co-Lead Members				
Mehdi Ghodrati Shojaei	Iran	Assistant Professor Department of Marine Biology, Tarbiat Modares University		M
Coordinating Author				
Zhao Peng	China	Associate professor, Hainan University	Zhao Peng, affiliated with Hainan University in China, is a recognized expert in seagrass ecology and conservation. His research focuses on understanding the dynamics and ecological functions of seagrass ecosystems in tropical and subtropical coastal regions. Peng's work includes studies on the biodiversity of seagrass meadows, their role in supporting marine biodiversity, and their response to environmental stressors such as climate change and coastal development.	M
Members of the writing team				
Janine Barbara Adams	South Africa	Distinguished Professor & Research Chair in Shallow Water Ecosystems, Nelson Mandela University	Janine Barbara Adams, affiliated with Nelson Mandela University, has extensive experience in seagrass ecology and conservation. Her research focuses on the dynamics of seagrass ecosystems,	Female

			including their role in coastal biodiversity, carbon sequestration, and resilience to environmental stressors. Adams has contributed significantly to understanding the ecological processes driving seagrass habitat change and the implications for coastal management and conservation.	
Mat Vanderklift	Australia	Director IORA Blue Carbon Hub, CSIRO	Mat Vanderklift, associated with CSIRO, possesses substantial expertise in seagrass ecology and marine biodiversity. His research addresses the ecological interactions within seagrass ecosystems, including the relationships between seagrasses and associated fauna, nutrient cycling, and the impacts of human activities on seagrass health. Vanderklift's work contributes to the development of sustainable management strategies for seagrass habitats and coastal ecosystems.	Male
Shalini Singh	Fiji	Assistant Professor, Fiji National University	Shalini Singh, affiliated with Fiji National University, is recognized for her contributions to seagrass research and conservation. Her work focuses on the ecology and biogeography of seagrass communities in the Pacific region, including their response to climate change, habitat restoration, and the role of seagrasses in supporting coastal livelihoods. Singh's expertise informs policies and management practices aimed at preserving seagrass diversity and ecosystem	Female

			services.	
Joel Christopher Creed	Brazil	Full Professor, Rio de Janeiro State University	Joel Christopher Creed, associated with Rio de Janeiro State University, has extensive experience in seagrass ecology and marine biodiversity conservation. His research investigates the ecological functions of seagrass ecosystems, including their importance for fish nurseries, coastal protection, and carbon storage. Creed's work contributes to the development of conservation strategies for seagrass habitats in the coastal regions of Brazil and beyond.	Male
Emad Koochaknejad	Iran	Iranian National Institute for Oceanography and Atmospheric Scienc	Emad Koochaknejad, linked to the Iranian National Institute for Oceanography and Atmospheric Science, is a prominent researcher in seagrass ecology and marine habitat management. His research focuses on the distribution, abundance, and ecological significance of seagrass meadows in the Persian Gulf and the Gulf of Oman. Koochaknejad's expertise contributes to the conservation and sustainable use of seagrass resources in Iranian coastal waters.	Male

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Sub-chapter 5h: Mangroves

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Mehdi Ghodrati Shojaei	Iran	Assistant Professor Department of Marine Biology, Tarbiat Modares University		M
Co-Lead Members				
Karenne Tun	Singapore	Deputy Director, Coastal and Marine National Biodiversity Centre, National Parks Board (NParks)		F
Coordinating Author				
Punyasloke Bhadury	India	Indian Institute of Science Education and Research Kolkata	Mangrove ecology; Blue economy; Indigenous communities; Mangrove time series and carbonate chemistry	M
Members of the writing team				
Anwesha Ghosh	India	Research Associate, Centre for Climate and Environmental Studies	Microbiome in mangroves; pollution in mangroves	Female
Krishna Ray	India	Associate Professor, West Bengal State University	Mangrove vegetation; restoration; mangroves of India and Bangladesh	Female
Rupesh Bhomia	India	Scientist, Centre for International Forestry Research, Indonesia	Blue carbon in mangroves; sea level rise	Male
Chew Li Lee	Malaysia	UCSI University	Mangrove ecology; benthic ecology	Female
Rahil Nozarpour	Iran	Professor, Tarbiat Modares University	Ecosystem functioning in mangroves	Female
Alexander Khan	Indonesia	Lecturer, Faculty of Fisheries and Marine Sciences, Universitas Padjadjaran	Sustainable fisheries	Male
Agnes Muthumbi	Kenya	Assoc. Professor, Department of Biology	Mangrove ecology; artisanal fisheries	Female

		Sciences, University of Nairobi		
Jose Ernesto Mancera Pineda	Colombia	Full Professor, Universidad Nacional de Colombia	Mangrove ecology; harmful algal bloom	Male
Mona Poorzady	Germany	Senior Carbon market expert and NBS Portfolio Manager- at Go2 Markets (carbon trading house) Berlin Germany (NGO)	Carbon credit, Environmental sustainability, Forest Policy and Economics	Female

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Chapter 5: Habitats

Sub-chapter 5i: Salt marshes

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Karenne Tun	Singapore	Deputy Director, Coastal and Marine National Biodiversity Centre, National Parks Board (NParks)		F
Co-Lead Members				
Mehdi Ghodrati Shojaei	Iran	Assistant Professor Department of Marine Biology, Tarbiat Modares University		M
Coordinating Author				
Judith Weis	US	Rutgers University, Professor Emerita of Biological Sciences	Coordinating author of Salt Marsh chapter in WOA 1 and WOA 2; Author of book “Salt Marshes: A Natural and Unnatural History”; author of dozens of refereed papers on salt marshes; Merit Award from Society of Wetland Scientists for work on salt marshes.	F
Members of the writing team				
Katherine Segarra	US	Supervisor for Biological Sciences, Gulf of Mexico Region Bureau of Ocean Energy Management, Department of the Interior, US Government	Co-Author for Salt Marsh chapter for WOA 1 and WOA 2; dissertation research focused on geomicrobiological cycling in wetlands resulting in three first-author publications in Nature Communications, Geochimica Cosmochimica Acta, and Biogeochemistry. Has worked for the past decade in the US Government assessing anthropogenic impacts to coastal and marine systems, including coastal wetlands.	Female

Luis Pinheiro	Portugal	Associate Professor in Marine Geophysics at the University of Aveiro	Conducting research in salt marshes areas for more than 15 years, in particularly in characterizing their blue carbon potential, through mapping with geophysical methods shallow gas occurrences in the sedimentary sections and their escape in the water column. Co-author of previous Chapter on this topic for WOA 2.	Male
Yuan Li	China	Yantai Institute of Coastal Zone Research, Associate Professor, Research group leader of "coastal zone ecological restoration and blue carbon sequestration"	Conducting assessments of the biogeochemical cycles of salt marshes on both continental and global scales, and publishing dozens of papers on the subject in prestigious journals like "Global Change Biology" and "Environmental Science and Technology"	Male

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Sub-chapter 5j: Continental slopes and submarine canyons

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Joshua Tuhumwire	Uganda	Founder and Managing Director of Gondwana Geoscience Consulting Ltd		M
Co-Lead Members				
Renato Quinones	Chile	Full Professor, Department of Oceanography, University of Concepción Director of the Interdisciplinary Center for Aquaculture Research (INCAR), (Center of Excellence of the Chilean National Council for Science and Technology; FONDAP-CONICYT), University of Concepción, Concepción, Chile.		M
Coordinating Author				
Miquel Canals	Spain	Universitat de Barcelona	Functioning of CSSC, and anthropogenic impacts	M
Members of the writing team				
Catherine Creese	USA	Director of the Naval Seafloor Cable Protection Office (NSCPO), US Navy	Deep-sea floor infrastructures incl. in CSSC	Female
Marie-Claire Fabri	France	Research scientist in marine habitat mapping and habitat suitability models in deep seas, IFREMER	Benthic ecosystems, cold-water coral communities in CSSC	Female
Jacobo Martín	Argentina	Senior Researcher at CONICET (Argentina) and Maria Zambrano Researcher at UB	Physical and biogeochemical processes in CSSC, and anthropogenic impacts	Male

		(Spain), CONICET		
Antonio Pusceddu	Italy	Full Professor, Univ. Cagliari, CoNISMa	Biological functioning of CSSC	Male
Julie A. Trotter	Australia	Adjunct Associate Professor, University of Western Australia	CSSC habitats and climate change effects	Female
Khaira Ismail	Malaysia	Head of Marine Geoscience Program, University Malaysia Terengganu	Spatial heterogeneity in submarine canyons	Female
Veerle Huvenne	United Kingdom	Research Leader; Acting Associate Group Head for Ocean BioGeosciences, National Oceanography Centre	Ecosystems and functioning of CSSC	Female
Yue Sun	China	Doctoral Student, Institute of Deep-Sea Science and Engineering, Chinese Academy of Sciences	Morphology and sediment dynamics in submarine canyon	Male
François Galgani	New Caledonia	Senior scientist, IFREMER	CSSC littering	Male

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Sub-chapter 5k: High-latitude ice

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Enrique Marschoff	Argentina	<p>Argentine Representative to the Scientific Committee for the Conservation of Antarctic Marine Living Resources and its Working Groups from 1985 to date.</p> <p>Elected member of the 9 person CCAMLR Performance Review Panel.</p> <p>Advisor to the Secretaria de Pesca on the implementation of the CDS and to the Argentine Parliament in the drafting of the Law on Antarctic Fisheries</p>		M
Co-Lead Members				
Vasily Smolyanitsky	Russian Federation	Leading scientist-head of laboratory Arctic and Antarctic Research Institute (AARI)		M
Coordinating Author				
Walker Smith, jr	USA	"Distinguished Professor, Shanghai Jiao Tong University, Shanghai, PRC	40 years working in Arctic and Antarctic	M
Members of the writing team				
Sharon Stammerjohn	USA	Senior Research Associate, University of Colorado	30 years working in Arctic and Antarctic; https://orcid.org/0000-0002-1697-8244	Female
Ted Maksym	USA	Associate Scientist with Tenure, Woods Hole Oceanographic Institution	30 years working in Arctic and Antarctic; https://www.whoi.edu/profile/tmaksym/	Male

Rob Massom	AUSTRALIA	Principal Research Scientist, Australian Antarctic Division	30 years working in Antarctic; https://www.antarctica.gov.au/science/meet-our-scientists/dr-rob-massom/	Male
Olga Sergienko	USA	Research Glaciologist, Princeton University	20 years working on ice sheets; https://aos-sergienko.scholar.princeton.edu/sites/g/files/toruqf4106/files/aos_sergienko/files/cv21_0.pdf	Female

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Sub-chapter 5I: Seamounts and pinnacles

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Yutaka Michida	Japan	Director, Center for International Collaboration Atmosphere and Ocean Research Institute (AORI), The University of Tokyo		M
Co-Lead Members				
Roberto de Pinho	Brazil	Senior Science and Technology Analyst at the Brazilian Ministry of Science, Technology and Innovation, currently working at the General Coordination for the Ocean and Antarctica and delegate to the OECD's National Expertson Scienceand Technology Indicators Working Party (NESTI), the Global Science Forum (GSF) and to the Intergovernmental Oceanographic Commission (IOC) Assembly		M
Coordinating Author				
Angelee Pavanee Annasawmy	Mauritius	Research fellow, Fondation pour la recherche sur la biodiversité	Distribution, community composition, migration and trophic relationships of mesopelagic communities at seamounts	F
Members of the writing team				
Ariadna Mecho	Spain	Marie Curie Postdoctoral Fellow, Barcelona Supercomputing Center, Spain	Benthic ecology, southeast Pacific seamounts	Female
Astrid Leitner	USA	Assistant Professor, CEOAS, Oregon State University	Seamounts bathymetry	Female
Jason Hall-	United	Professor of Marine	Benthic ecology, deep-sea	Male

Spencer	Kingdom	Biology, Plymouth University	coral reefs, ocean acidification, demersal gear impacts	
Dannielle Eager	United Kingdom	Student, Plymouth University	fish, acoustics and oceanography in the Indian Ocean	Female
Reka Domokos	USA	research oceanographer, Ecosystems Sciences Division, NOAA	effects of physical/chemical processes on organisms, with the focus areas of biophysical coupling in pelagic environment and at seamounts, as well as meso- & largescale variability and change	Female
Telmo Morato	Portugal	Principal researcher, Instituto do Mar	Seamounts - benthic, fisheries	Male
Junlong ZHANG	China	Professor, director of Laboratory of Marine Organism Taxonomy & Phylogeny, Marine Biological Museum, Chinese Academy of Sciences	deep-sea seamount biodiversity and taxonomy of mollusks	Male
Amy Baco-Taylor	USA	Professor, Department of Earth, Ocean and Atmospheric Sciences at Florida State University	seamounts and deep-sea corals	Female
Yeqiang Shu	China	professor, Chinese Academy of Sciences	Seamount trapped waves, rare earth elements budget	Male
Jose Angel Alvarez Perez	Brazil	professor, Universidade do Vale do Itajaí	Seamount and cephalopods	Male

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Sub-chapter 5m: Abyssal plains

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Eric Okuku	Kenya	Principal Research Scientist, Kenya Marine and Fisheries Research Institute		M
Co-Lead Members				
Yutaka Michida	Japan	Director, Center for International Collaboration Atmosphere and Ocean Research Institute (AORI), The University of Tokyo		M
Coordinating Author				
Moriaki Yasuhara	Japan	University of Hong Kong	Benthic ecology	M
Members of the writing team				
Malcolm Clark	New Zealand	Principal Scientist, National Institute of Water and Atmospheric Research	Deep-sea ecosystems, fisheries, seabed mining potential	Male
Dan Jones	UK	Professor, National Oceanography Centre	Macroecology, community ecology and assessment of environmental impacts from mining and oil and gas activities	Male
Jeroen Ingels	Belgium	Assistant Research Faculty, Florida State University	Benthic ecology	Male
Diva Amon	Trinidad and Tobago	Research Fellow, Natural History Museum, London	Marine microbiology	Female
Paul Snelgrove	Canada	Professor of Biological Oceanography, Memorial University of Newfoundland	Benthic ecology	Male
Craig McClain	US	Professor, University of Louisiana, Lafayette	Environmental Biology	Male

Section 4: Change since the second World Ocean Assessment

Chapter 5: Habitats

Sub-chapter 5n: Pelagic domain

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Rafael González-Quirós	Spain	DIRECTOR DEL CENTRO OCEANOGRÁFICO DE GIJÓN INSTITUTO ESPAÑOL DE OCEANOGRAFÍA (IEO-CSIC)		M
Co-Lead Members				
Tymon Zielinski	Poland	Institute of Oceanology, Polish Academy of Sciences (IO PAN), Sopot, Poland. - Professor.		M
Coordinating Author				
Marta Coll	Spain	Institute of Marine Science (ICM) - CSIC, Spain	marine food webs, biodiversity, small pelagic fish, climate change, fisheries, ecosystem models	F
Members of the writing team				
Camila Indira Artana	Argentina	Researcher, IRD, France	physical oceanography, extreme events	Female
José Maria Bellido	Spain	Professor, IEO-Murcia, CSIC, Spain	small pelagic fish, fisheries, discards, sharks	Male
Lynne J. Shannon	South Africa	Principal Scientist/Deputy Director, University of Cape Town, Cape Town, South Africa	Upwelling ecosystems, small pelagic fish, marine food webs, regional ecological modelling	Female
Ryan Henegan	Australia	Griffith University, Australia	size spectra, future changes and scenarios, global ecological modelling	Male
James J. Ruzicka	USA	Research Marine Biologist, NOAA Pacific Islands Fisheries Science Center	small pelagic fish, trophic ecology, MHW and oil spills	Male
Antonio	Italy	Fondazione Acquario di	large predators, marine	Male

DiNatale		Genova Onlus, Italy	mammals	
Akinori Takasuka	Japan	Professor, University of Tokyo	early life history of pelagic fish, physiological changes	Male
Francisco Ramírez	Spain	Tenured researcher, Institute of Marine Science (ICM) - CSIC, Spain	seabirds, penguins, cumulative impacts	Male
Susana Garrido	Portugal	Senior Researcher, Portuguese Institute of Sea and Atmosphere, Portugal	small pelagic fish, trophic ecology, microplastics	Female
Lloyd Spencer Davis	New Zeland	Stuart Professor of Science Communication , University of Otago, New Zeland	seabirds, megafauna	Male
Brian Hunt	South Africa	University of British Columbia, Canada	pelagic food webs, plankton quality and quantity changes	Male
Eva Ramírez Llodra	Spain	Science Director, REV, Norway	sea explorations, deep sea ecosystems	Female

Section 4: Change since the second World Ocean Assessment

Chapter 5: Habitats

Sub-chapter 5o: Ridges, plateaus and trenches

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Roberto de Pinho	Brazil	Senior Science and Technology Analyst at the Brazilian Ministry of Science, Technology and Innovation, currently working at the General Coordination for the Ocean and Antarctica and delegate to the OECD's National Expertson Scienceand Technology Indicators Working Party (NESTI), the Global Science Forum (GSF) and to the Intergovernmental Oceanographic Commission (IOC) Assembly		M
Co-Lead Members				
Yutaka Michida	Japan	Director, Center for International Collaboration Atmosphere and Ocean Research Institute (AORI), The University of Tokyo		M
Coordinating Author				
Ana Colaço	Portugal	Scientist, Institute of Marine Sciences - Okeanos, University of the Azores, Rua Professor Doutor Frederico Machado 4, 9901-862 Horta, Portugal	OVER 20 YEARS EXPERIENCE IN DEEP-SEA BENTHIC ECOLOGY	F
Members of the writing team				
Anna Metaxas	Canada/Greece	"Project co-lead,	Deepsea Ecosystems	F

		Department of Oceanography, Dalhousie University, Halifax, Nova Scotia, Canada B3H 4R2		
Hiromi Kayama WATANABE	Japan	Senior Research Associate, Japan Agency for Marine-Earth Science and Technology (JAMSTEC)	Writing team of WOA I and II	F
BABAN SHRAVAN INGOLE	India	SCIENTIST, NATIONAL CENTER FOR POLAR AND OCEAN RESEARCH (MINISTRY OF EARTH SCIENCES), HEADLAND SADA VASCO-DA-GAMA, GOA INDIA 403804	OVER 40 YEARS EXPERIENCE IN DEEP-SEA BENTHIC ECOLOGY, BIODIVERSITY AND FUNCTIONING.	M
Imants George PRIEDE	British/Latvian	Professor Emeritus, University of Aberdeen	Participant in and leader of deep-sea expeditions to the North Atlantic including the Mid-Atlantic Ridge, North Pacific, Mediterranean. Author of over 150 papers and four books including studies on Ridges and Hadal Trenches, over 10,000 citations on Google Scholar. Participate in WOA II. Coordinator of UK national and EU deep-sea research programmes.	M
Jose Angel Alvarez Perez	Brazil	University of Vale do Itajaí – UNIVALI	Biological oceanographer, Coordinated scientific projects in support of deep-sea fisheries management in Brazil; participated in international deep-sea ecology projects including MAR ECO (Census of Marine Life), Quelle (JAMSTEC), EAF Nansen, iAtlantic, Challenger 150. Contributed with writing of WOA I - Chapter 36B. South Atlantic Ocean AND	M

			Chapter 36F. Open Ocean Deep Sea.	
Malcolm Ross Clark	New Zealand	Principal Scientist (deep-sea ecology and fisheries), National Institute of Water & Atmospheric Research (NIWA), New Zealand	40 years experience in researching deep-sea habitats, fisheries, and management. Numerous surveys on ridges, trenches and plateaux in the SW pacific region.	M
Ana Margarida Medrôa de Matos Hilário	Portugal	Researcher, Centre for Environmental and Marine Studies, University of Aveiro	Dr Ana Hilario is a marine biology with more than 20 years of experience (including PhD) in the study of deep-sea ecosystems.	F
Angelika Brandt	Germany	Head of Marine Zoology department in Senckenberg and Professor at Goethe University Frankfurt, Senckenberg Research Institute and Natural History Museum and Goethe University in Frankfurt	Research focus: systematics, ecology, evolution, biogeography and biodiversity of macrofauna with focus on Isopoda (Crustacea, Peracarida), primarily from deep sea and polar habitats.	F

Section 4: Change since the second World Ocean Assessment

Chapter 5: Habitats

Sub-chapter 5p: Hydrothermal vents and cold seeps

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Joshua Tuhumwire	Uganda	Founder and Managing Director of Gondwana Geoscience Consulting Ltd		M
Co-Lead Members				
Juying Wang	China	Director General, PHD National Marine Environmental Monitoring Center, Ministry of Ecology and Environment, PR China		F
Coordinating Author				
Lisa Levin	United States	Scripps Institution of Oceanography, University of California, San Diego	Contributing author to WOA I Ch. 34 (Hydrothermal vents and seeps) CH. 36F Open Ocean Deep sea; Coordinating author for WOA II (slopes and canyons); 25 y experience researching methane seeps, some vent expertise	F
Members of the writing team				
Elva Escobar	Mexico	Professor, Department of Oceanography, Dalhousie University, Halifax, Nova Scotia, Canada	Contributor to Chapters 29 (Marine genetic resources) and 35 (Extent of biodiversity assessment) of WOA I. Chapter 7R (Hydrothermal vents and Seeps in WOA II. PhD, National University of Mexico. Published on food-webs of hydrothermal vents, methane/oil seeps, etc.	Female
Nomikou Paraskevi	Greece	Full Professor at University Pierre and Marie Curie, Paris and Director of Ecogeochemistry at the Benthic Environment	Contributing author to WOA II Chapter 7 R hydrothermal vents and seeps). PhD in geology, University of Athens. Published on submarine volcanoes, Mid-	Female

		Laboratory	Atlantic ridge, etc.	
Ana Colaco	Portugal	Chief Research Officer, Dept. of Physical and Chemical Oceanography, Nigerian Institute for Oceanography & Marine Research	Contributing author to Chapter 7R WOA II (Hydrothermal vents and seeps). PhD, University of Lisbon. Published on seamounts, resilience of deep-sea fauna, etc.	Female
Julia Sigwart	United States	Research Associate at Second Institute of Oceanography MNR	Contributing author to Chapter 7R WOA II (Hydrothermal vents and seeps). PhD, Queen's University, Belfast, Northern Ireland. Published on species theory, hydrothermal vents, etc.	Female
Hiromi Watanabe	Japan	Professor Emerita, Canada Research Chair, Biology and Earth/Ocean Sciences, University of Victoria, British Columbia	Contributing author to Chapter 7R WOA II (Hydrothermal vents and seeps). PhD, University of Tokyo. Published on hydrothermal-vent and trench barnacles and gastropods, impacts of deep- sea mining, etc.	Female
Anna Metaxas	Canada	Professor, Universidade de São Paulo	PhD on phytoplankton, Dalhousie University. Contributor to Chapter 34 (Global patterns of Marine Biodiversity) in WOA I and Chapter 7R (Hydrothermal Vents and Seeps) in WOA II. Published on epibenthic megafauna, hydrothermal vents, rocky substrates, etc.	Female
Nadine Le Bris	France	Professor, Department of Oceanography, Dalhousie University, Halifax, Nova Scotia, Canada	Convenor of writing team for Chapter 45 (Hydrothermal vents and cold seeps) in WOA I and cConvenor for Chapter 7R (Hydrothermal Vents and Seeps) in WOA II. Doctorate in pollution chemistry, University of Paris 7. Publications on hydrothermal vents, bacteria of wood-falls, sulphide monitoring, etc.	Female

Samuel Olatunde Popoola	Nigeria	Full Professor at University Pierre and Marie Curie, Paris and Director of Ecogeochemistry at the Benthic Environment Laboratory	African Deep Seabed Research (ADSR) Expert and Ambassador to the International Seabed Authority.	Male
Yadong Zhou	China	Chief Research Officer, Dept. of Physical and Chemical Oceanography, Nigerian Institute for Oceanography & Marine Research	Ecology, evolution and genetics of vent biota on the Indian Ridge; 68 publications	Male
Verena Tunnicliffe	Canada	Research Associate at Second Institute of Oceanography MNR	Contributor to Chapters 34 (Global patterns of marine biodiversity) and 35 (Extent of assessment) of WOA I and Chapter 7R (Hydrothermal Vents and Seeps in WOA II. PhD, Victoria University, Canada. Published on hydrothermal-vent fauna	Female
Paolo Sumida	Brazil	Professor Emerita, Canada Research Chair, Biology and Earth/Ocean Sciences, University of Victoria, British Columbia	deep-sea biology SW Atlantic, chemosynthetic ecosystems including pockmarks and carbonate mounds, Director, Oceanographic Institute of the University of São Paulo	Male

Section 4: Change since the second World Ocean Assessment

Chapter 5: Habitats

Sub-chapter 5q: Sargasso Sea

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Mariamalia Rodríguez	Costa Rica	<p>Programme coordinator - DOALOS/Norway programmes of assistance to meet the strategic capacity needs of developing states in the field of ocean governance and the law of the sea.</p> <p>Post-Doctoral Research Fellow, World Maritime University - Sasakawa Global Ocean Institute. Empowering Women for the United Nations Decade of Ocean Science for Sustainable Development Project.</p> <p>Consultant for the Pew Charitable Trust</p>		F
Co-Lead Members				
Roberto de Pinho	Brazil	<p>Senior Science and Technology Analyst at the Brazilian Ministry of Science, Technology and Innovation, currently working at the General Coordination for the Ocean and Antarctica and delegate to the OECD's National Expertson Scienceand Technology Indicators Working Party (NESTI), the Global Science Forum (GSF) and to the Intergovernmental Oceanographic Commission (IOC) Assembly</p>		M

Coordinating Author				
David Vousden	UK/Ireland	Chief Technical Advisor, GEF-UNDP-IOC Sargasso Sea project	LMEs, Ocean Governance. 35 Years' experience in ocean governance, especially within UN organisations. Extensive experience with the TDA>SAP approach, which the project is adapting for the high seas.	M
Members of the writing team				
David Freestone	UK	Executive Secretary, Sargasso Sea Commission	Governance and Legislation. Significant experience on LOSC, 10 years' experience on the international law related to the conservation of the Sargasso Sea.	Male
Fae Sapsford	Bermuda	Communications Officer, Sargasso Sea Commission	Sargasso Sea General, microfauna, communications. Fae is Bermuda based, and has 3 years' experience working for the Sargasso Sea Commission. She is currently completing a PhD at World Maritime University on the Sargasso Sea as a case study for the conservation of the high seas.	Female
Tammy Warren	Bermuda	Senior Marine Resources Officer, Government of Bermuda	Fisheries, Governance. As a fisheries officer for the Bermuda Government, Tammy has significant experience in local Bermuda biology and ecology, fisheries monitoring and governance, and engagement by Bermuda with international ocean organisations, including ICCAT, SSC, and UN, etc.	Female
Brian Luckhurst	Bermuda	Retired, Government of Bermuda. Observer focal point at ICCAT, WECAFC	Brian has significant experience in fisheries biology, ecology, monitoring and governance in Bermuda. He also has experience in ocean diplomacy, making contributions to ICCAT and	Male

			WECAFC on SSC's behalf.	
Laurie Kell	UK	Professor at Imperial College London, Faculty of Natural Sciences, Centre for Environmental Policy, also an observer focal point for ICCAT.	Experience in fisheries assessment, monitoring, modeling, diplomacy. Pioneered the use of Management Strategy Evaluation in Europe to implement the Precautionary Approach, highly relevant to the Sargasso Sea.	Male
Ana Colaco	Portugal	Senior Researcher, University of the Azores; Sargasso Sea Commissioner	With a PhD in ecology and biosystematics, Ana leads research and development projects on the deep sea. She specializes on hydrothermal vent ecosystems, the trophic ecology of deep-sea systems, benthic ecology, biodiversity and ecosystem functioning. She has long experience in international cooperation both at the European level (MAST III, FP5; FP6, FP7) and bilateral cooperation.	Female
Alex Rogers	UK	Science Director, Ocean Census	Marine biology, molecular ecology. Has experience contributing to an academic article on the utility of big data and AI for high seas governance, with particular focus on the Sargasso Sea. Experience in environmental law, especially law of the high seas. Experience in communicating to scientific and governmental bodies including UN bodies.	Male

Section 4: Change since the second World Ocean Assessment

Chapter 5: Habitats

Sub-chapter 5r: Fjord systems

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Renato Quinones	Chile	Full Professor, Department of Oceanography, University of Concepción Director of the Interdisciplinary Center for Aquaculture Research (INCAR), (Center of Excellence of the Chilean National Council for Science and Technology; FONDAP-CONICYT), University of Concepción, Concepción, Chile.		M
Co-Lead Members				
Ian Butler	Australia	Fisheries Scientist at the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) - Canberra		M
Coordinating Author				
Jose L. Iriarte	Chile	Full professor, Universidad Austral de Chile	Oceanography - Plakton Ecology: Patagonia and Antarctic ecosystems	M
Members of the writing team				
Sofia Ribeiro	Portugal	Senior research scientist, Geological Survey of Denmark and Greenland and University of Copenhagen	Greenland fjords; paleoecology; long-term ice-ocean-ecosystem interactions; sediment records	Female
Agneta Fransson	Norway	Professor, Norwegian Polar Institute	Oceanography, biogeochemistry, carbon cycling, ocean acidification, impacts of melting glaciers and sea ice in Arctic fjords	Female

			including Svalbard, NE Greenland, Northern Norway	
Lorenz Meire	Belgium	Senior Scientist, Greenland Institute of Natural Resources	Ice-ocean interaction, biogeochemistry, carbon cycling and food web dynamics in Greenland fjords	Male
Fiammetta Straneo	Italy and USA	Professor, Scripps Institution of Oceanography	Physical Oceanography of fjords, Fjord -large scale ocean exchanges, Glacier-ocean interactions, Greenland/Arctic	Female
Jennifer M. Jackson	Canada	Section Head, Research in Ocean Properties and Ecosystem Stressors, Institute of Ocean Sciences, Fisheries and Oceans Canada	Physical oceanography of British Columbia fjords; warming and loss of oxygen; long time series; atmosphere-ocean interactions; shelf-fjord interactions	Female

Section 4: Change since the second World Ocean Assessment

Chapter 6: Pressures: Invasive species

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Maria Bebianno	Portugal	<p>Professora Catedrática Jubilada</p> <p>Full Professor</p> <p>Centre of Marine and Environmental Research (CIMA)</p> <p>Aquatic Research Network (ARNET)</p> <p>Member of the Group of Experts of the Regular Process for Global Reporting and Assessment of the State of the Marine Environment, including Socioeconomic Aspects (Regular Process) of the United Nations</p> <p>Member of the Portuguese National Committee for the Ocean Decade</p> <p>Universidade do Algarve</p> <p>University of Algarve</p> <p>Campus de Gambelas</p>		F
Co-Lead Members				
Kwasi Appeaning Addo	Ghana	<p>Professor, Institute for Environment and Sanitation Studies/Department of Marine and Fisheries Sciences, College of Basic and Applied Sciences, University of Ghana.</p>		M
Coordinating Author				

Thomas W. Therriault	Canada	Research Scientist, Fisheries and Oceans Canada (DFO)	Contribution to WOA II; expert of conservation biology, marine biology, invasive species, ecology, marine ecology	M
Members of the writing team				
Chad Hewitt	USA	Provost (Professor), Office of the Vice Chancellor, Lincoln University, Lincoln, 7647, New Zealand	Expertise on understanding invasive alien species ecology, biogeography and management	Male
Bella Galil	Israel	Curator of Crustacea, Steinhardt Museum of Natural History, Tel Aviv University	Marine biology with emphasis on anthropogenic changes of macrobenthos in coastal and deep waters, marine bioinvasions	Female
Graeme Inglis	New Zealand	Principal Scientist, National Institute of Water & Atmospheric Research Ltd (NIWA)	Marine biosecurity, surveillance design and implementation, environmental monitoring and assessment, risk assessment, estuarine ecology	Male
Evangelina Schwindt	Argentina	Editor-in-Chief. Biological Invasions. Springer	Marine invasive species: ecology, biology, biogeography. Management and government decisions on marine invasive species.	Female
Alejandro Bortolus	Argentina	Associate (Guest) Editor – Aquatic Invasions	Coastal ecology and society. Marine-coastal invasive species. Historical Ecology. Ecology-Taxonomy Interface.	Male
Tammy Robinson	South Africa	Research Chair: Managing invasions in protected areas, Stellenbosch University (Faculty of Science)	Impacts of marine alien species; the spread of invasive species; evidence-based management of these biota	Female
Susanna Carvalho	Portugal	Associate Professor, King Abdullah University of Science and Technology (KAUST)	Mitigation of fishing and aquaculture impacts, ecosystem restoration and integrated management	Female
Henn Ojaveer	Estonia	Professor of Marine Ecosystems, University	Biosciences and environment; ecology,	Male

		of Tartu, Faculty of Social Sciences, Pärnu College	biosystematics and physiology	
Jinho Chae	South Korea	Head Researcher, Marine Environmental Research & Information Laboratory (MERIL)	Marine biology, marine ecology, marine ecosystem monitoring, assessment, conservation and restoration	Male

Section 4: Change since the second World Ocean Assessment

Chapter 6: Pressures: Erosion and sedimentation

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Juying Wang	China	Director General, PHD National Marine Environmental Monitoring Center, Ministry of Ecology and Environment, PR China		F
Co-Lead Members				
Eric Okuku	Kenya	Principal Research Scientist, Kenya Marine and Fisheries Research Institute		M
Coordinating Author				
Luciana S. Esteves	UK	Associate Professor, Bournemouth University	Coastal Erosion	F
Members of the writing team				
Niki Evelpidou	Greece	Professor, National and Kapodistrian University of Athens	Coastal Erosion	Female
Mabel Amin	Ghana	Lecturer, University of Cape Coast	Coastal Erosion	Female
Trang Duong	Netherlands	Assistant Professor, IHE Delft	Coastal Erosion	Female
Jarbas Bonetti	Brazil	Professor, Universidade Federal de Santa Catarina	Coastal Erosion	Male
Matthew Elliot	Australia	Owner/Director, Demarawa	Coastal Erosion	Male
Bronwyn Goble	South Africa	Senior Scientist, Oceanographic Research Institute	Coastal Erosion	Female

Section 4: Change since the second World Ocean Assessment

Chapter 6: Pressures: Marine infrastructure outside of coastal areas

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Vasily Smolyanitsky	Russian Federation	Leading scientist-head of laboratory Arctic and Antarctic Research Institute (AARI)		M
Co-Lead Members				
Kwasi Appeaning Addo	Ghana	Professor, Institute for Environment and Sanitation Studies/Department of Marine and Fisheries Sciences, College of Basic and Applied Sciences, University of Ghana.		M
Coordinating Author				
Constantine Michailides	Greece	Assistant Professor, International Hellenic University - Ass. Professor	Marine - Hydraulic Works	M
Members of the writing team				
Liliana Rusu	Romania	Professor, University of Galati - Professor	Marine hydrodynamics	Female
Wei Shi	China	Assoc. Professor, Dalian University of Technology	Marine structures	Male
Stefanos Xenarios	Australia	Researcher, CSIRO, the Commonwealth Scientific and Industrial Research Organisation- the Australian Government -	Water and climate change - Socio economic management	Male
Jana Orszaghova	Australia	The University of Western Australia - Senior Lecturer	Marine renewables - Ocean dynamics	Female
Rodrigo Rojas	Costa Rica	Professor, National University of Costa Rica	Offshore Energy Task Force at ICE Costa Rica. Regional Coordinator of REMAR-	Male

			Cyted. Coordinator of INORE.	
Arshad Rawat	Mauritius	Department for Continental Shelf and Maritime Zones Administration and Exploration	Director - Oceanography / Marine Geosciences Unit	Male
Sérgio Jesus	Portugal	SiPLAB, FCT - Univ. of Algarve, Campus de Gambelas	Sound propagation in the ocean	Male
Paulette Bynoe	Guyana	University of Guyana	Marine environment, climate change and resilience	Female
Alex Faerman	Israel	Company	Marine Engineering	Male
Ellinor Forje	Sweden	Company	Economic inequality, International governance	Female
Ongezwa Mpisana	South Africa	Company	Advisor Special Political Missions	Female
Senia Febrica	Indonesia	Strathclyde University	Illegal activities, Maritime security	Female
Eva Loukogeorgaki	Greece	Aristotle University	Marine Structures	Female
Jorge Ramos	Portugal	University of Algarve	Ocean Engineering	Male

Section 4: Change since the second World Ocean Assessment

Chapter 6: Pressures: Cumulative effects

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Tymon Zielinski	Poland	Institute of Oceanology, Polish Academy of Sciences (IO PAN), Sopot, Poland. - Professor.		M
Co-Lead Members				
Kwasi Appeaning Addo	Ghana	Professor, Institute for Environment and Sanitation Studies/Department of Marine and Fisheries Sciences, College of Basic and Applied Sciences, University of Ghana.		M
Coordinating Author				
Piers Dunstan	Australia	Senior Principal Research Scientist at CSIRO	Cumulative effects / Benthic ecology	M
Members of the writing team				
Vanessa Stelzenmüller	Denmark	Scientific director and research unit leader, Thünen Institute of Sea Fisheries	Cumulative effects / Marine spatial planning	F
Jesper H. Andersen	Norway	Chief scientist, Norwegian Institute for Water Research	Inputs of nutrients to the marine environment / Cumulative effects	M
Manuel Hildago	Spain	Research scientist, Spanish National Research Council (CSIC) / Spanish Institute of Oceanography (IEO)	Fisheries science (ecosystem based fisheries management) / Cumulative effects	M
Skip Woolley	Australia	Biostatistician, CSIRO Oceans and Atmosphere	Expertise in development, implement and interpretation of statistical modelling approaches to quantitatively describe where multiple species are and what	M

			processes shape their distributions	
Sam Dupont	Sweden	Senior Lecturer, Manager, Associate Professor, University of Gothenburg	Ocean acidification / Cumulative effects	M
Beth Fulton	Australia	Senior Principal Research Scientist, CSIRO Environment	Expertise in developing system-scale decision support tools in support of sustainable management of potentially competing uses of marine environments and adaptation to global change	F
Becky Hitchin	UK	Principal Marine Consultant, ERM	Deep sea ecosystems / DPSIR framework and its application	F
Natalie Ban	Canada	Research Fellow (Academic Level B), Australian Research Council Centre of Excellence for Coral Reef Studies, James Cook University, Australia	<p>Ethnoecology: traditional ecological knowledge, traditional methods of resource management, marine and coastal ethnoecology</p> <p>Conservation biology: marine conservation, resource management, conservation planning, marine restoration, marine ecology, cumulative effects, multiple stressors, geographic information systems</p> <p>Social-ecological systems: common pool resources, interlinkages between social and ecological systems, ecological effectiveness of environmental governance, social effectiveness of conservation</p>	F
Kerry Sink	South Africa	Principal scientist, South African National Biodiversity Institute	Benthic ecology / Cold-water corals and sponges	F

Section 4: Change since the second World Ocean Assessment

Chapter 6: Pressures: Pollution

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Maria Bebianno	Portugal	<p>Professora Catedrática Jubilada</p> <p>Full Professor</p> <p>Centre of Marine and Environmental Research (CIMA)</p> <p>Aquatic Research Network (ARNET)</p> <p>Member of the Group of Experts of the Regular Process for Global Reporting and Assessment of the State of the Marine Environment, including Socioeconomic Aspects (Regular Process) of the United Nations</p> <p>Member of the Portuguese National Committee for the Ocean Decade</p> <p>Universidade do Algarve</p> <p>University of Algarve</p> <p>Campus de Gambelas</p>		F
Co-Lead Members				
Kwasi Appeaning Addo	Ghana	<p>Professor, Institute for Environment and Sanitation Studies/Department of Marine and Fisheries Sciences, College of Basic and Applied Sciences, University of Ghana.</p>		M
Coordinating Author				

Colin Moffat (Liquids, solid and atmospheric inputs from land-based sources)	British	Visiting Professor, Robert Gordon University	Led on production of OSPAR assessments and of assessments of the seas around Scotland.	Male
Francois Galgani (Plastics)	French	Senior Scientist, IFREMER	Expert marine litter (UNEP, regional sea conventions, UNEA SAC, EU commission, GESAMP), convenor of the WOA II chapter 12 (solid waste, marine litter)	Male
Ralf Ebinghaus (Pharmaceutuiclas and personal care products)	Germany	Hereon Institute of Coastal Environmental Chemistry	Research focuses on the occurrence, fate, and relevance of long-lived and bio-accumulative hazardous substances in coastal, marine, and polar environments	Male
Lars Sonesten (Atmospheric inputs)	Swedish	Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden (Researcher, Senior Environmental Analyst, Head of Department since 2019-01-01	Wide experience in human pressures on the Northeast Atlantic and Baltic Sea within the UN Regional Sea convention areas of OSPAR and HELCOM, respectively, incl chairman of two working groups since 2014.	Male
Alan Simcock (Radioactive compounds)	British	Joint Coordinator of the first and second United Nations' World Ocean Assessments	Led the production of WOA 1 and WOA 2	Male
Members of the writing team				
Chinenye Aja-Nwachukwu	Nigeria	Principal Marine Environment Management Officer, Nigerian Maritime Administration and Safety Agency	Developed the monitoring requirements for FPSO, FSU, FSRU for Marine Environmental Management Department (MEMD) for Nigerian Maritime Administration and Safety Agency (NIMASA).	Female
Kwang-Sik Choi	Republic of Korea	Professor, Department of Marine Life Science, Jeju National University	Research focuses on various topics in molluscan biology, including effects of environmental impacts and parasitic infections on reproductive physiology and	Male

			immune function of oysters, clams, and abalones.	
Dao Van Hien	Vietnam	Principal Lecturer, VNU University of Science, Vietnam National University	Experience in environmental management; marine environment, waste management especially dredged material management, plastic waste management, dumping of waste at sea	Male
Christos Ioakeimidis	Greece	UN Environment/MAP	Mediterranean Pollution Assessment and Control Programme (MED POL); Project Manager: EU-funded projects Marine Litter MED, Marine Litter MED II, IMAP-MPA	Male
Laurent Lebreton	France	Associate Programme Management Officer (Marine Litter), The Ocean Cleanup	Recent publication includes “Extent and Reproduction of Coastal Species on Plastic Debris in the North Pacific Subtropical Gyre.” Nature Ecology & Evolution 7(5):687–97. doi: 10.1038/s41559-023-01997-y.	Male
Paula Sobral	Portugal	Associate Professor, NOVA School of Science and Technology - MARE Marine and Environmental Sciences Centre	Marine litter and microplastics mapping and characterization if its sources and sinks and the effects of microplastics contamination by persistent organic pollutants on marine organisms and integration of biomarkers from molecular to organism level.	Female
Alexander Turra	Brazil	Full professor, Oceanograohic Institute, São Paulo University	Relevant publication includes Three-dimensional distribution of plastic pellets in sandy beaches: shifting paradigms. Nature Sci. Rep., 4: 4435.	Male
Stefanie Werner	Germany	Scientific officer, German Environment Agency (Umweltbundesamt)	Focuses on implementation of EU Marine Strategy Framework Directive with special consideration of Descriptor	Female

			10 (Marine Litter)	
Shiye Zhao	China	Researcher, Japan Agency for Marine-Earth Science and Technology	Dispersal and consequences of the anthropogenic emissions of oceanic particulate matter	Male
Vanessa Sarah Salvo	Italy	Researcher, Institut de Ciències del Mar	1) Spanish National Council of Research/ Citizen science from data to policies; 2) Coordinator of the Spanish delegation of NGOs / Surfrider Foundation Europe. 3) Part of Break Free From Plastic Coalition at EU level 4). I was Part of experts observator in the UNEP/Map Regional Plan for Marine Litter in the Med. 5). part of Scientists Coalition for a effective Plastic Treaty 6). coordinator IOC_UNESCO / Ocean Cities Network programme/policy axis, 7). Spanish working group of experts for the MSFD /Marine litter. 8) Posidonia Green Project Spanish/Italian NGO, on plastic pollution (scientific director)	Female
Judith Weis	United States	Rutgers University, Professor emerita	Focuses on marine biology, estuaries, salt marshes, and invasive species. Over 250 refereed publication (8 on plastic pollution), six books (one on fibers)	Female
Diana Souza Moura	United Kingdom	Research Fellow, Robert Gordon University	Responsible for investigating the degradation of harmful marine algae and their metabolites using photocatalysis, more specifically, graphitic carbon nitride coated glass beads illuminated by ultraviolet LED lights.	Female
Thomas Maes	Belgium	Senior Scientist, GRID-	Created his own	Male

		Arendal/SEAMOHT	consultancy “SEAMOHT” providing expert advice to a range of customers such as GRID-Arendal, the International Maritime Organisation (IMO), the Institute for Global Environmental Strategies (IGES), the European Commission, universities, and businesses worldwide	
Atsuhiko Isobe	Japan	Professor, Ocean Dynamics group, Kyushu University, Kasuga 816-8580, Japan	physical oceanography in coastal and shelf waters, plastic marine debris	Male
Mike Moore	United Kingdom of Great Britain and Northern Ireland - GBR	Professor Honorary (U. Exeter & U. Plymouth)	Led an interdisciplinary research group developing a biocomputational/ systems biology approach to ecotoxicology and environmental pathology	Male
Zhiyong Xie	China	Senior research scientist, Helmholtz-Zentrum Hereon	Focuses on biogeochemistry processes of legacy and emerging organic contaminants in the global ocean, including long-range transport via atmosphere and ocean currents, airsea/ice exchange, and bioaccumulation in marine food web.	Male
Rainer Lohmann	USA	Professor of Oceanography, University of Rhode Island, USA	Editor, Environmental Toxicology and Chemistry	Male
Helena Reinardy	UK	Teaching Fellow/Researcher, University of the Highlands and Islands, Scottish Association of Marine Science	Expertise in ecotoxicologist researching the changing marine environment, such as increasing temperatures, altered pH, and presence of pollutants and the complex effects on aquatic organisms	Female

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 1: Food systems

Sub-chapter 1a: Medium and large-scale fishing

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Chang-Ik Zhang	Republic of Korea	Professor, World Fisheries University Professor Emeritus, Pukyong University		M
Co-Lead Members				
Renato Quinones	Chile	Full Professor, Department of Oceanography, University of Concepción Director of the Interdisciplinary Center for Aquaculture Research (INCAR), (Center of Excellence of the Chilean National Council for Science and Technology; FONDAP-CONICYT), University of Concepción, Concepción, Chile.		M
Coordinating Author				
Rashid Sumaila	Canada	University of British Columbia	Medium and large-scale fisheries	M
Members of the writing team				
Christopher Narinder Singh Poonian	United Kingdom	Senior Fisheries Environmental Specialist, Community Centred Coservation (C3)	Indigeneous and traditional owner knowledge, Tropical and sub-tropical corals	M
Patricia Carolina Rendall Rocha	Sao Vicente Island	CEO, Noctiluca - Environmental Education & Consultancy	Community-based fisheries management	F
Jamie Tam	Canada	Research Biologist, Fisheries and Oceans	DPSIR framework and its application	F

		Canada (DFO)		
Victor Restrepo	USA	Vice-President for Science, International Seafood Sustainability Foundation	Fisheries science (traditional assessment)	M
Priyal Bunwaree	Mauritius	Senior Legal Counsel, Blue Marine Foundation	Illegal activities, Maritime security	F
Elizabeth Voges	Namibia	Executive Secretary, South East Atlantic Fisheries Organisation	International governance	F
Easton White	USA	Assistant Professor, University of Cap	Ocean data and data repositories	M
Farheen Ahmad	India	Independent researcher	Ocean governance: Law of the sea	F
Sonia Crisogono	Portugal	Professor & Researcher, Universidade Católica Portuguesa	Ocean governance: MCS	F
Heejoong Kang	Republic of Korea	Fisheries scientist, National Institute of Fisheries Science	Ecosystem-based fisheries assessment	M
Shehu Latunji Akintola	Nigeria	Professor, Fisheries Department, Lagos State University	Traditional post-harvest practice	M

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 1: Food systems

Sub-chapter 1b: Small-scale fishing including subsistence fishing

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Chang-Ik Zhang	Republic of Korea	Professor, World Fisheries University Professor Emeritus, Pukyong University		M
Co-Lead Members				
Donovan Campbell	Jamaica	Senior Lecturer University of the West Indies		M
Coordinating Author				
Derek Armitage	Canada	Professor, University of Waterloo (Professor)	Small-Scale Fishing(SSF) in general	M
Members of the writing team				
Denis Aheto	Ghana	University of Cape Coast (Professor)	Data-poor assessment, Mangrove management	M
Beodeul Kang	Republic of Korea	Professor, Pukyong National University (Professor)	Ecosystem-based SSF assessment and management	F
Tricia Lovell	Anitgua and Barbuda	PhD Candidate and Research Assistant, Govt. of Anitgua and Barbuda (Senior Officer - Fisheries)	Artisanal fisheries	F
Melissa Marschke	Canada	Professor, University of Ottwa (Professor)	Labour/trade and precarity	F
Prateep Nayak	Canada	Associate Professor, University of Waterloo (Professor)	SSF transitions	M
Micaela Trimble	Urguay	Associate Researcher, SARAS Institute (Researcher)	Transitions and employment	F
Ron Vave	Fiji	Postdoc Research Fellow, University of Hawaii (Researcher)	Cultural heritage, Fish biology	M
Nobuyuki Yagi	Japan	Professor, University of	Fishery heritage	M

		Tokyo (Professor)		
Ife Okafor-Yarwoofed	United Kingdom	Lecturer in Sustainable Futures, University of Saint Andrews (Professor)	IUU, Subsidies	F
Cristina Pita	Portugal	University of Aveiro (Professor)	Gender, value chains	F
Ella-Kari Muhl	South Africa	University of Cape Town (Researcher/Lecturer)	SSF governance, scenarios	F
Deborah Prado	Brazil	Sea Institute, Federal University of São Paulo (Researcher)	SSF justice	F
Sisir Pradhan	India	NIRMAN/University of Waterloo (NGO consultant/ Researcher)	SSF value chains, tenure	M

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 1: Food systems

Sub-chapter 1c: Medium and large-scale aquaculture

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Renato Quinones	Chile	Full Professor, Department of Oceanography, University of Concepción Director of the Interdisciplinary Center for Aquaculture Research (INCAR), (Center of Excellence of the Chilean National Council for Science and Technology; FONDAP-CONICYT), University of Concepción, Concepción, Chile.		M
Co-Lead Members				
Enrique Marschoff	Argentina	Argentine Representative to the Scientific Committee for the Conservation of Antarctic Marine Living Resources and its Working Groups from 1985 to date. Elected member of the 9 person CCAMLR Performance Review Panel. Advisor to the Secretaria de Pesca on the implementation of the CDS and to the Argentine Parliament in the drafting of the Law on Antarctic Fisheries		M
Coordinating Author				
Lynne Falconer	UK	Research Fellow,	Research focuses on	F

		University of Stirling, UK	aquaculture and the environment, climate change effects on marine aquaculture, site selection, planning and licensing issues. Experience working on interdisciplinary aquaculture research topics. Has worked on aquaculture research projects in Asia, Africa, Europe, Central and South America covering fish and shellfish production as well as new and emerging systems such as IMTA and offshore production. Present research focuses mainly on Atlantic salmon in Europe.	
Members of the writing team				
Karen Alexander	UK	Assistant Professor, Heriott Watt University, UK	Research focuses on social sustainability of aquaculture, effects of aquaculture on local communities, and social license to operate. Experience in Europe and Australasia. Has worked with finfish, shellfish, seaweed and IMTA.	Female
Hans Bjelland	Norway and Belgium	Research Director, SINTEF, Norway	Research focuses on development of aquaculture technology to improve fish welfare, reduce environmental impacts, and increase safety and productivity. Holds a broad industry network, identifies business needs and initiates research activities with fish farmers, service and technology providers and research partners. Experienced project manager of multidisciplinary teams. As Research Director of the aquaculture department at SINTEF, current focus is put on Atlantic salmon in Europe.	Male

Ling Cao	China	Professor, Xiamen University, China	With her roots in a family-owned fish farm in China and training as both an agronomist and environmental scientist, Ling has strategically positioned her research at the crossroads of marine conservation and sustainable fisheries and aquaculture management. Beyond academia, Ling has actively contributed to policy dialogues, offering insights and recommendations that have influenced sustainable fisheries and aquaculture policies, particularly in China. She has spearheaded projects that forecast the future trajectory and vulnerabilities of global blue food production.	Female
Ramon Filgueira	Spain	Associate Professor, Dalhousie University, Canada	Interdisciplinary research focusing on improving aquaculture sustainability, covering themes that range from fundamental to applied topics, e.g., carrying capacity, site selection, climate change effects, and social licence. Chair of the ICES Working Group on Social and Economic Dimensions of Aquaculture. Has worked on projects in North and South America, Europe, and Asia. Has provided advice to decision-makers regarding the potential expansion of aquaculture in Atlantic Canada and is currently involved in developing decision-support tools for site selection. Has worked with salmon, but most of his experience is in bivalve aquaculture.	Male

Tonje Osmundsen	Norway	Professor, NTNU Social Research, Norway	Research focuses on the role of aquaculture industry in society, in terms of aquaculture's role as cornerstone businesses in rural communities, how public authorities regulate aquaculture as industrial food production, and industry led measures for more sustainable production like technology development, and private certification schemes. Osmundsen has led and worked on numerous research project on aquaculture, mainly on salmon aquaculture in Norway and internationally, and published internationally in renowned journals on these subjects.	Female
Nikos Papandroulakis	Greece	Research Director, Hellenic Centre for Marine Research (HCMR), Greece	Research is focusing in developing advanced rearing technologies to optimize the performance of farmed species, expanding to develop mathematical models to improve husbandry practices. His work includes studying fish behavior, diversifying aquaculture production with fast-growing species, and contributing to offshore aquaculture concepts. He also investigates the effects of climate change on aquaculture studying the thermal tolerance of key species in the Mediterranean region contributing to the development of adaptation strategies. Currently is working towards developing tools for monitoring, operation, and decision-making systems, aligning with the concept of precision	Male

			aquaculture.	
Pablo Sanchez-Jerez	Spain	Senior Lecturer, University of Alicante, Spain	Research on aquaculture environment interactions, expert on Mediterranean aquaculture, ecological and environmental impacts of aquaculture, aquaculture planning and zonation, aquaculture resource management, effects of climate change	Male
Doris Soto	Chile	Principal Scientist, INCAR, Chile/University of Concepción, Chile	Aquaculture environmental interactions, nutrient cycling, eutrophication, global change effects on aquatic ecosystems including aquaculture, estimating carrying capacity for aquaculture, species invasions, ecosystem approach to aquaculture, climate change impacts and adaptation in aquaculture and climate change mitigation. Research experience on salmon farming, mussel farming, freshwater species farming, field and desk studies experience in Asia, Africa, Europe Latin America and the Caribbean. Planning, coordination and implementation of projects and initiatives, results based management approach, international cooperation for sustainable aquaculture development and translation of scientific findings to policy making	Female

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 1: Food systems

Sub-chapter 1d: Small-scale aquaculture

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Renato Quinones	Chile	Full Professor, Department of Oceanography, University of Concepción Director of the Interdisciplinary Center for Aquaculture Research (INCAR), (Center of Excellence of the Chilean National Council for Science and Technology; FONDAP- CONICYT), University of Concepción, Concepción, Chile.		M
Co-Lead Members				
Katarina Viik	Estonia	Counselor, European Union Secretariat Government Office of Estonia		F
Coordinating Author				
Rohana Subasinghe	Sri Lanka	FUTUREFISH Co. Ltd., London, United Kingdom	He is a specialist in aquaculture development and aquatic animal health management. He retired from FAO in October 2015, while serving as the Chief of the Aquaculture Branch.	M
Members of the writing team				
Timothy O'Reilly	New Zealand	Managing Director/Owner of Taprobane Seafood,	Seafood expert with 25 years operating within South and Southeast Asia	Male

		Sri Lanka		
Shivaun Leonard	USA	Aquaculture Advisor, USDA-APHIS; US Department of Agriculture; USDA APHIS; Animal and Plant Health Inspection Service	Aquaculture governance (general) / International governance	Female
Salin Krishna	India	Associate Professor and Chair, Aquaculture and Aquatic Resources Management (AARM), Asian Institute of Technology (AIT), Thailand	His research addresses climate-smart seafood production and consumption, novel hatchery/farming technologies for freshwater prawns and marine shrimp, sustainable management of aquatic ecosystems, and cleaner aquaculture systems. He has over 100 publications, including 52 peer-reviewed journal articles, four books/monographs, 12 book chapters, nine development project reports, and numerous conference presentations/abstracts.	Male
Elizabeth Cottier-Cook	UK	Professor, University of the Highlands and Islands, UK	Elizabeth Cottier-Cook is a Professor in Marine Biology at the University of the Highlands and Islands, based at the Scottish Association for Marine Science (SAMS), Fellow of the Royal Society of Biology (FRSB), Head of the SAMS/ United Nations University (UNU) Associate Institute, Principle Investigator for Global SeaweedSTAR, an international Global Challenge Research Fund programme, and Programme Leader for the Erasmus Mundus Joint Master Degree in Aquaculture, Environment	Female

			and Society . She focuses on developing biosecurity tools and practices to minimise the introduction and spread of pests (many of which are invasive non-native species) and disease, particularly in developing countries. To date, her research programmes have involved working with a wide range of stakeholders including, the aquaculture and offshore renewable energy sector. I have collaborated with colleagues in China, Canada, Chile, New Zealand, USA, numerous countries in the Mediterranean and most recently the Philippines, Malaysia and Tanzania.	
Doris Soto	Chile	Principal Scientist Interdisciplinary Center for Aquaculture Research INCAR Universidad de Concepción Concepción _ Puerto Montt CHILE	Ecosystem ecology with emphasis on aquaculture environmental interactions, nutrient cycling, eutrophication, global change effects on aquatic ecosystems including aquaculture, estimating carrying capacity for aquaculture, species invasions, ecosystem approach to aquaculture, climate change impacts and adaptation in aquaculture and climate change mitigation.	Female
Devin Bartley	USA	Adjunct Professor Michigan State University (USA) & Senior Research Associate World Fisheries Trust (CANADA)	Robin Welcomme Fellow, Fisheries and Wildlife Department, Michigan State University, USA. 2016-2020. Senior Fishery Resources Officer (Aquaculture & Inland Fisheries), Fisheries & Aquaculture Department, Food and Agriculture Organization of the United	Male

			Nations. 3/2010 - present.	
Carlos Wurman Gotfrit	Chile	President of CIDEEA, International Centre for Strategic Studies in Aquaculture, Executive Director AWARD Ltd, International Fisheries & Aquaculture consultants.	International Consultant in Aquaculture and Fisheries for over 35 years. Honorary Life Member, World Aquaculture Society. Former President of the Chilean Strategic Salmon Program, and former Manager of Marine Resources (Fisheries and Aquaculture), Fundación Chile, one of the main technology transfer and economic diversification institutions.	Male
Blessing Mboma Mapfumo	Zimbabwe/South Africa	World Aquaculture Society African Union Development Agency (AUDA-NEPAD) Information Network	International relations practitioner on fisheries and aquaculture matters; International fish trade and small scale fisheries development expert Networks development expert; Writer of numerous published articles on fish trade and aquaculture.	Male
Antonio Garza de Yta	Mexico	Chief Operations Officer (COO) of Blue Aqua International Gulf LLC; Vice President, International Centre for Strategic Studies in Aquaculture (CIDEEA); President, Aquaculture without Frontiers (AwF)	Former Senior Advisor for Aquaculture for the Sustainable Technologies & Innovation Development Company (AWJ Innovation) in Oman; Past-President of the World Aquaculture Society (WAS)	Male

Section 5: Socio-ecological systems				
Section 5A: A sustainable and inclusive ocean economy				
Chapter 1: Food systems				
Sub-chapter 1e: Food processing				
Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Donovan Campbell	Jamaica	Senior Lecturer University of the West Indies		M
Co-Lead Members				
Tymon Zielinski	Poland	Institute of Oceanology, Polish Academy of Sciences (IO PAN), Sopot, Poland. - Professor.		M
Coordinating Author				
Ahmed Khan	Canada	Chief Fisheries Officer, African Development Bank	Chief Fisheries Officer at AfDB for 6 years in addition to fisheries policy consultancy, value chain assessment, intra-regional trade, fisheries research for development, investments and financing fish value chains, climate finance, regional economic development	
Members of the writing team				
Issifu Ibrahim	Ghana	Research Associate, Institute for the Oceans and Fisheries, UBC	PhD from Nagoya University with specialized expertise in fisheries management, the blue economy, fisheries economics, and ocean sustainability and governance.	M
Nicole Franz	Italy	FAO	MSc with expertise in fisheries economics, member of the Global Forum on Food Security and Nutrition, with a	F

			focus on small-scale fisheries and value chains	
WEIWEI WANG	China	AFDB	Portfolio management, business delivery, investment, blue economy and fisheries, agribusiness, and the African Development Bank Group.	M
Bernice Mclean	South Africa	Blue Economy Unit at African Union development Agency-NEPAD	PhD in Marine Policy with expertise in the blue economy, fish trade, and environmental and marine coastal governance.	F
Ulrich Franklin KOUASSI	Ivorian	Minstry of Fisheries and Animal Resources (MIRAH), Cote d'Ivoire	Master's degree in fisheries policy and industrial engineering and statistical analyses	M
Tall Amadou	Senegalese and French	GOPA Consultants, Abuja, Nigeria	Coordinator PESCA ECOWAS project. Doctor of Veterinary Medicine from the Agronomic & Veterinary Institute; expertise in market analysis for strategic market development, fish value chain improvement, and chain of custody rules	M
Katrina Hilundwa	Namibia	Fisheries Management & Industrial Officer, SADC	Master's degree in fisheries science and Expertise in value chain governance	F
Helguile SHEP	Ivorian	FAO, INFOPECHE	PhD in Fisheries maritime engineer and experience in fish value chain development and standards	M
Yajie Liu	Canadian	The Norwegian College of Fishery Science	Associate Professor, expertise in fisheries economica and sustainable management of agroecosystem	M

			services	
Akintola Shehu	Nigerian	Professor, Lagos State University	Professor with expertise in value chain governance and small-scale fisheries management and aquaculture.	M
Cristina Pita	Portugal	Principal Researcher, Department of Environment and Planning & Centre for Environmental and Marine Studies (CESAM), at the University of Aveiro, Portugal.	"PhD in Social and Environmental Sustainability from the University of Aberdeen. Contributor to the pool of experts on the socioeconomic aspects of fisheries for the United Nations World Ocean Assessment (UN-WOAI), with expertise in marine resources and coastal governance.	F
Kelly Harrel	United States of America	Ocean Outcomes	Executive Director at Ocean Outcomes with decades of experience in seafood industry. Skills in strategic Partnerships • Sustainable Fisheries • Social Entrepreneurship • Ocean Conservation	F
Louise The	Malaysia & Canada	Research Associate, the Institute for the Oceans and Fisheries, UBC	PhD from University of British Columbia, with expertise in Small-scale fisheries, socio-economic analysis of fisheries, coral reef conservation, scenario development and analysis, social-ecological systems, human dimensions of fisheries management.	F
Knott Christine	Canadian	Assistant Professor at San Diego State University	PhD coastal fisheries governance from Memorial University. An interdisciplinary scholar with climate justice, resource-dependent communities, government policies,	F

			global corporate capitalism	
Wabnitz Colette	France/Germany	Lead Scientist, Centre for Ocean solutions, Standard University	Phd in Geography & fisheries science with expertise in interdisciplinary marine science and socio-ecological systems	F
Lowitt Kristen	Canadian	Assistant Professor, Queen's University	PhD in Interdisciplinary Studies from Memorial University, with expertise in sustainable food systems, food sovereignty, and small-scale fisheries.	F
Bernadette Fregene	Nigeria	CGIAR research centers, International Institute of Tropical Agriculture (IITA)	PhD with expertise in aquaculture and fisheries development. Coordinator AfDB WorldFish Technology for African Agriculture Technology Transformation.	F
Motseki Hlatshwayo	South Africa	Senior Fisheries Advisor, SADC	Fisheries and aquaculture, trade and governance, value chains and regional development	M
Ken Johnson	USA	Principal DEVCONIA LLC	Former PWC staff and AfDB consultant, Value chain expertise, fair trade and international development specialist	M
Margarida DOS SANTOS CORREIA	Portugal	UNIDO	industrial development, fisheries processing and marketing, quality assurance and safety, quality infrastructure and policy harmonization	F
Ibukun J. Adewumi	Nigeria	Intergovernmental Oceanographic Commission of the UNESCO	Marine spatial planning Ocean governance: compliance, monitoring and enforcement	M

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 1: Food systems

Sub-chapter 1f: Trade

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Jörn Schmidt	Germany	Chair of the Science Committee International Council for the Exploration of the Sea Senior Research Fellow, Marine Food Security Center for Ocean and Society (CEOS) Kiel Marine Science (KMS), Christian-Albrechts-Universität zu Kiel, Germany		M
Co-Lead Members				
Ian Butler	Australia	Fisheries Scientist at the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) - Canberra		M
Coordinating Author				
Jessica Gephart	United States	Assistant Professor, University of Washington	Seafood trade; Sustainable food systems	F
Members of the writing team				
Rashid Sumaila	Canada	University of British Columbia	Fisheries economics	Male
Senia Febrica	United Kingdom	Knowledge Exchange Associate, University of Strathclyde	International relations	Female
Cheol-Kyu Maeng	South Korea	Associate Professor, Daejin University	International commerce	Male
Frank Asche	Norway	Professor, University of Florida	Fisheries trade and economics	Male
Anna Farmery	Australia	Senior Research Fellow, University of	Small-scale fisheries and sustainable seafood markets	Female

		Wollongong		
Cristina Pita	Portugal	Researcher, University of Aveiro	Small-scale fisheries, value chains, governance, sustainable seafood markets	Female
Carmen Pedroza-Gutiérrez	Mexico	Investigadora Titular, Universidad Nacional Autónoma de México	SSF and gender; value chains and governance	Female
Bolanle Erinsho	Ghana	Senior Lecturer, University of Cape Coast	International law and sustainable use of marine resources	Female
Carlos Chavez	Chile	Profesor Titular (Professor), Universidad de Talca	Resource economics; aquaculture	Male
Cathy Roheim	United States	Professor Emerita, University of Idaho	Fisheries economics; Seafood trade	Female

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 2: Recreational fishing

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Chang-Ik Zhang	Republic of Korea	Professor, World Fisheries University Professor Emeritus, Pukyong University		M
Co-Lead Members				
Eric Okuku	Kenya	Principal Research Scientist, Kenya Marine and Fisheries Research Institute		M
Coordinating Author				
Sean Tracey	Australia	Institute for Marine and Antarctic Studies, University of Tasmania	Biological, ecological, impacts of fishing and human dimension	M
Members of the writing team				
Steven Cooke	Canada	Professor, Carlton University, Ottawa	Biological, ecological, impacts of fishing and human dimension	Male
Kieran Hyder	United Kingdom	Principal Fisheries Scientist, CEFAS	Biological, ecological, impacts of fishing and human dimension	Male
Asta Audzijonyte	Lithuania	Nature Research Center, Akademijos 2, Vilnius	Socio-ecological, bioeconomics, human dimension	Female
Robert Arlinghaus	Germany	Professor, Humboldt-Universität zu Berlin, Faculty of Life Science, Thaer-Institute	Socio-ecological, bioeconomics, human dimension	Male
Karina Ryan	Australia	PhD, Principal Research Scientist, Western Australian Fisheries and Marine Research Laboratories	Data collection and translation for management	Female
Katia Freire	Brazil	PhD, Universidade Federal de Sergipe, Centro de Ciências Agrárias Aplicadas.	Recreational fisheries in general	Female

		Cidade Universitaria		
Warren Potts	South Africa	Professor, Department of Ichthyology and Fisheries Science, Rhode University	Biological, ecological, impacts of fishing and human dimension	Male
Dong-Hun Go	Republic of Korea	PhD, Senior Researcher, KMI	Fisheries economics. Recreational/sport/charter fishing	Male
Pedro Pintassilgo	Portugal	PhD, Universidade do Algarve, Portugal	Bioeconomics, environmental and resource economics	Male
Alicia Bugeja Said	Malta	PhD, Vice Minister for Fisheries, Malta	Fisheries givernance and management	Female
Meaghan Guckian	USA	PhD, Antioch University, New England	Human dimension and environmental policy	Female

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 3: Energy

Sub-chapter 3a: Renewables

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Katarina Viik	Estonia	Counselor, European Union Secretariat Government Office of Estonia		F
Co-Lead Members				
Rafael González-Quirós	Spain	DIRECTOR DEL CENTRO OCEANOGRÁFICO DE GIJÓN INSTITUTO ESPAÑOL DE OCEANOGRAFÍA (IEO-CSIC)		M
Coordinating Author				
Ewa Malgorzata Spiesz	Poland	Senior Energy Sustainability Advisor; Dutch Marine Energy Centre	Offshore and marine renewable energy development (legislation), Offshore and marine renewable energy development (technology)	F
Members of the writing team				
Freya Croft	Australia	Research fellow; Australian National Centre for Ocean Resources and Security at the University of Wollongong	Social dimensions of the Blue Economy (social impact)	Female
Rayenda Brahmana	Indonesia	Lecturer; Coventry University	Blue financing, Fisheries economics (financing)	Male
Jose Rodrigo Rojas	Costa Rica	Professor; Costa Rican National University	Offshore and marine renewable energy development (environmental impact),	Male
Rebecca Williams Freestone	United Kingdom	Global Head of Offshore Wind; Global wind energy council	Offshore and marine renewable energy development (legislation), Offshore and marine	Female

		(GWEC)	renewable energy development (technology); renewable energy, climate change and energy transition expert	
Ana Brito e Melo	Portugal	Senior advisor; WavEC - Offshore Renewables (R&D based consultant company)	Offshore and marine renewable energy development (legislation), Offshore and marine renewable energy development (technology)	Female
Henrique Paiva de Paula	Brazil	Deputy Coordinator for energy transition, ANEEL - Brazilian Electricity Regulatory Agency	Offshore and marine renewable energy development (legislation), Offshore and marine renewable energy development (technology)	Male
Deborah Greaves	United Kingdom	Professor of Ocean Engineering and Director; University of Plymouth, Coastal, Ocean and Sediment Transport (COAST) laboratory	Marine renewable energy, physical and numerical modelling of violent free surface flow and wave-structure interaction (technology)	Female
Eric Mwangi Njoroge	Kenya	Chief Executive Officer and Founder; WIO Marine Limited	Offshore and marine renewable energy development (technology)	Male
Isa Olalekan Elegbede	Nigeria	Brandenburg University of Technology (BTU), Germany Head of Research and Innovation, Saeio Global Fellow of the Future Earth Coasts (FEC) Deputy Chair, IUCN CEESP Governance, Equity and Rights Theme	marine renewables resources sustainability	Male
Shenghui Li	China	Guangdong Ocean University, Zhanjiang, China, lecturer and researcher	environmental impact of offshore energy and MSP	Female
Andrea Copping	USA	Pacific Northwest National Laboratory (PNNL), USA, senior researcher	environmental impact of offshore energy	Female

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 3: Energy

Sub-chapter 3b: Non-renewables

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Maria Bebianno	Portugal	<p>Professora Catedrática Jubilada</p> <p>Full Professor</p> <p>Centre of Marine and Environmental Research (CIMA)</p> <p>Aquatic Research Network (ARNET)</p> <p>Member of the Group of Experts of the Regular Process for Global Reporting and Assessment of the State of the Marine Environment, including Socioeconomic Aspects (Regular Process) of the United Nations</p> <p>Member of the Portuguese National Committee for the Ocean Decade</p> <p>Universidade do Algarve</p> <p>University of Algarve</p> <p>Campus de Gambelas</p>		F
Co-Lead Members				
Katarina Viik	Estonia	<p>Counselor, European Union Secretariat</p> <p>Government Office of Estonia</p>		F
Coordinating Author				
Karen Breier	Argentina	Consultant-Secretary of Energy	Offshore Hydrocarbon Exploration and Exploitation-Geologic	F

			Surveys- Science communication-Practical experience working in offshore exploration on platform projects and technical knowledge facilitator	
Members of the writing team				
Dapa Koffi Robert	Cote d'Ivoire	Head of Production Operations Department-PETROCI the NOC	Practical knowledge of contingencies that arise from offshore facilities and production work Indicators in Oil and Gas exploration and production , Offshore hydrocarbon exploration and exploitation	Male
Blin Krah Anatole Arthur	Côte d'Ivoire	Factory and Logistics Director-LION GPL/PETROCI the NOC	Working experience on drilling, installations and offshore exploration campaigns-Maritime safety, Offshore hydrocarbon exploration and exploitation	Male
Laís Palazzo Almada	Brazil	Director Technical Advisor and Civil Servant at Agência Nacional do Petróleo, Gás Natural e Biocombustíveis – ANP (National Agency for Oil, Natural Gas and Biofuels/Brazil) and Coordinator of Administrative Proceedings at the Environmental and Safety Department	Offshore and marine renewable energy development (legislation), Offshore hydrocarbon exploration and exploitation	Female
Bjørn Grøsvik	Norway	Research scientist-Norwegian Institute of Marine Research	Environmental impact on living organisms in the ocean, researcher of the consequences of hydrocarbon activity on life in the sea-Environmental impact assessments, Pollution: litter/plastics (micro and nanoplastics)	Male
Magnus ONUOHA	Nigeria	Independent consultant	Energy transition leader - Practical knowledge about remediation tasks and	Male

			sustainable adaptation work, Carbon emission pathways, Decarbonization	
Gabriel Olmedo	Argentina	Consultant-Secretary of Energy	Work experience in offshore exploration, geodesy and mapping campaigns- Offshore hydrocarbon exploration and exploitation, Seabed mapping	Male
Samantha Robb	United Kingdom	Lawyer and legal researcher-Qualified Lawyer- Independent Legal Consultant	Legal researcher focused on marine biodiversity protection, Energy transition and Ocean governance/law of the sea, Seabed mining	Female
Sergio Jesus	Portugal	Professor-Univ. of Algarve	Research carried out on the consequences of exploratory activity, mainly seismic activity, on sea life-Ocean observing, Science, technology and innovation indicators and data	Male
ONGEZWA MPISANA	South Africa	Advisor Special Political Missions - United Nations Secretariat	political risk analysis, international cooperation, conflict resolution, and crisis management	Female
EVANGELIA (EVINA) GONTIKAKI	Greece	Foundation for Research and Technology – Hellas, Institute of GeoEnergy	Training Officer (Women, Peace, and Security) , Gender Advocate , risk analysis, international cooperation, conflict resolution, strategic planning, stakeholder engagement, crisis management, and environmental policy.	Female
Georgios SYLAIOS	Greece	Professor at Democritus University of Thrace	Ecological Engineering and Technology covers all aspects of water and ecological research (inland surface and groundwater, coastal aquatic systems, integrated management of water and wastewater, etc.).	Male

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 4: Tourism

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Donovan Campbell	Jamaica	Senior Lecturer University of the West Indies		M
Co-Lead Members				
Rafael González-Quirós	Spain	DIRECTOR DEL CENTRO OCEANOGRÁFICO DE GIJÓN INSTITUTO ESPAÑOL DE OCEANOGRAFÍA (IEO-CSIC)		M
Coordinating Author				
Peter Schuhmann	USA	Professor of Economics, University of North Carolina Wilmington	ecosystem service valuation researcher, co-author of the Highlevel Panel document on tourism	M
Members of the writing team				
Eliza Northrop	Australia	Director, Sustainable Development Reform Hub, University of New South Wales	Lead author of the Highlevel Panel document on tourism	Female
Alan Fyall	USA/United Kingdom	Associate Dean Academic Affairs and Visit Orlando Endowed Chair of Tourism Marketing at the Rosen College of Hospitality Management, University of Central Florida	Co-author of the Highlevel Panel document on tourism	Male
Sergio Alvarez	USA/Colombia	Assistant Professor, University of Central Florida	Co-author of the Highlevel Panel document on tourism	Male
Adriana Ressurreição	Portugal	University of the Azores	Coordinated a project to estimate the economic	Female

			importance of marine-based ecotourism in the Azores	
Antonia Correia	Portugal	Dean of the School of Tourism, Sports and Hospitality, professor, Universidade do Algarve	Widely published in numerous aspects of tourism	Female

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 5: Use of genetic resources and biotechnology

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Enrique Marschoff	Argentina	<p>Argentine Representative to the Scientific Committee for the Conservation of Antarctic Marine Living Resources and its Working Groups from 1985 to date.</p> <p>Elected member of the 9 person CCAMLR Performance Review Panel.</p> <p>Advisor to the Secretaria de Pesca on the implementation of the CDS and to the Argentine Parliament in the drafting of the Law on Antarctic Fisheries</p>		M
Co-Lead Members				
Juying Wang	China	<p>Director General, PHD</p> <p>National Marine Environmental Monitoring Center, Ministry of Ecology and Environment, PR China</p>		F
Coordinating Author				
Muriel Rabone	New Zealand	Data analyst/Researcher, Natural History Museum, London	Leading expert on marine genetic resources; co-lead of deep ocean stewardship initiative marine genetic resources working group	F
Robert Blasiak	USA	Researcher/Theme Leader/Project Manager , Stockholm Resilience Centre	Social and equity dimensions of marine genetic resources and marine biotechnology	M
Members of the writing team				

Changwei Shao	China	Professor, Yellow Sea Fisheries Research Institute, CAFS	Marine genetic resources in aquaculture context	Female
Marcel Jaspars	UK	Professor of Chemistry, University of Aberdeen	Marine biodiscovery, negotiation of BBNJ Agreement	Male
Angelika Brandt	Germany	Head of Marine Zoology department in Senckenberg and Professor at Goethe University Frankfurt, Senckenberg Research Institute and Natural History Museum	Deep-sea marine genetic resources	Male
Sophie Arnaud-Haond*	France	Researcher, Ifremer-University of Montpellier	Evolutionary ecology and gene flow in marine environment	Female
Jane Collins	UK	Associate Manager, KPMG UK	Marine genetic resources / Ocean governance: compliance, monitoring and enforcement	Female
Jessica Lavelle	South Africa	Researcher, University of Cape Town	Marine genetic resources / Ocean governance/law of the sea	Female
Luciana Coehlo	Brazil	Research Fellow, Stockholm Environment Institute	Ocean governance/law of the sea / Marine genetic resources	Female
Natalia Erazo	US	PhD candidate , Scripps Institution of Oceanography	Marine genomics / Mangroves	Female
Tanya Wagenaar	South Africa	Lecturer and Head of Department: Public Law in the Faculty of Law at Nelson Mandela University., Nelson Mandela University	Ocean governance/law of the sea / Marine genetic resources	Female
Matthew Upton	UK	Professor of medical microbiology, University of Plymouth	Marine microbiology / Marine genetic resources	Female
Randi Rotjan	US	Research Associate Professor, Boston University	Deep sea ecosystems / Marine genetic resources	Male
Changwei Shao	China	Professor, Yellow Sea Fisheries Research Institute, CAFS	Marine genetic resources in aquaculture context	Male

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 6: Shipping

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Felicia Mogo	Nigeria	President/founder African marine Environment sustainability Initiative (AFMESI)		F
Co-Lead Members				
Vasily Smolyanitsky	Russian Federation	Leading scientist-head of laboratory Arctic and Antarctic Research Institute (AARI)		M
Coordinating Author				
Ida-Maja Hassellöv	Sweden	Professor, Maritime Environmental Science Chalmers University of Technology, Dept of Mechanics and Maritime Sciences, Gothenburg, Sweden	Environmental pressures and impacts of shipping Risk assessment Polluting shipwrecks	F
Members of the writing team				
Magnus Chidi Onuoha	Nigeria	Professor, Climate Change and Green Economy Executive Director, West Africa Green Economic Development Institute (WAGEDI) Gregory University Uturu Abia State Nigeria	Decarbonization, carbon emission pathways, policy analysis, GHG inventories, mitigation assessment and measures	Male
Bjorn Einar Grosvik	Norway	Principal scientist Institute of Marine Research, Norway	EIA Pollution Hydrocarbons Monitoring	Male

Momchil Terziev	Bulgaria/UK	Assistant Professor Department of Naval Architecture, Ocean and Marine Engineering, University of Strathclyde, Glasgow, UK.	Hydrodynamics	Male
Dikko Aishatu Mamman	Nigeria	Marine Environment Management Officer Nigerian Maritime Administration and Safety Agency, Sea Sustainability & Project Division, Marine Environemt Management Department.	MSP, IMO Conventions implementation	Female
Intan Suci Nurhati	Indonesia	Head of Research Center, Senior Researcher Research Center for Deep Sea, National Research and Innovation Agency (BRIN)	Oceanography, Climatology, pollution monitoring	Female
Fani Sakellariadou	Greece	Professor, Geochemical oceanography University of Piraeus, Dept of Maritime Studies, Piraeus, Greece & Chalmers University of Technology, Dept of Mechanics and Maritime Sciences, Gothenburg, Sweden	ICZM, MSP, Port ship induced pollution	Female
Sabine Knapp	Austria/Australia	Director (Seven Ocean Research Pty Ltd) and affiliated researcher Erasmus University, NL and University of Algarve, Portugal	Maritime risk state port control, Emergency response service, Maritime data and statistics Econometrics of Maritime Safety	Female
Yrhen Bernard Sabanal Balinis	Philippines	Seafarer Office of the Youth in Maritime (YIMO),	Human rights at sea Maritime transport Welfare and social status	Male

		Human Rights at Sea (HRAS), The Royal Institute of Navigation (RIN), The Nautical Institute	of seafarers	
Sindhura Polepalli	India	Maritime Legal Consultant Directorate General of Shipping (Ministry of Ports, Shipping and Waterways, Government of India)	Ocean governance/law of the sea, Ocean governance: maritime regulation regime, Decarbonization of Shipping, Ship recycling, Prevention of Pollution from Ships, Protection of Marine Environment, Anti-Piracy, Maritime Security, Maritime Labour, Maritime India Vision 2030, International Maritime Cooperation	Female
Zhen Sun	China	Associate Professor (Research / Ocean Sustainability, Governance & Management) WMU - Sasakawa Global Ocean Institute, World Maritime University, Malmö, Sweden	Public International Law, Law of the Sea Regulation of International Shipping, Maritime Security Empowering Women	Female
Mariana Graciosa Pereira	Brazil	Environmental Analyst Brazilian Institute of Environment and Renewable Natural Resources	EIA Dredging MPA Environmental licensing of transport infrastructure	Female
James J. Winebrake	USA	Professor, Public Policy and International Affairs Provost and Vice Chancellor for Academic Affairs University of North Carolina Wilmington, Division of Academic Affairs and Department of Public and International	Socio-techno-environmental systems analysis Shipping emissions and impacts on human health Life cycle assessment of future fuels Tradeoffs between pollution reduction measures W: www.winebrake.com	Male

		Affairs		
K. M. Azam Chowdhury	Bangladesh	Assistant Professor & Chairman, Department of Oceanography, University of Dhaka, Bangladesh	Marine pollution, Marine Spatial planning, Blue economy, Ocean Dynamics, Law of the sea, Navigation.	Male
Monica Lundh	Sweden	Chalmers University of Technology, Associate Professor	Shipping and Maritime safety	F
Scott MacKinnon	Sweden	Chalmers University of Technology, full professor	Maritime safety and Maritime transport	M

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 7: Mineral resources

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Felicia Mogo	Nigeria	President/founder African marine Environment sustainability Initiative (AFMESI)		F
Co-Lead Members				
Joshua Tuhumwire	Uganda	Founder and Managing Director of Gondwana Geoscience Consulting Ltd		M
Coordinating Author				
Galo Carrera	Mexico	International Consultant	Scientific research on marine geosciences 30 yrs, CLCS 20yrs, LTC ISA 5 yrs	M
Members of the writing team				
Jean-Marc Daniel	France	Head of the physical ressources and deep sea ecosystems department, IFREMER	Geoscience and technology	Male
Rudy L.J. Helmons	Netherlands	Assistant Professor Offshore and Dredging Engineering / Adjunct Associate Professor for Deep- Sea Mining , Delft University of Technology	Marine minerals, dredging & offshore engineering	Male
Pedro Madureira	Portugal	Deputy Head at the Task Group for the Extension of the Portuguese Continental Shelf (EMEPC),	Marine geology and deep sea mineral resources.	Male

		Geosciences Dept, University of Évora		
Kirsty McQuaid	South Africa	Postdoctoral Research Fellow, South African National Biodiversity Institute	Deep-sea ecology	Female
Luis Menezes Pinheiro	Portugal	Associate Professor in Marine Geophysics at the University of Aveiro	Marine geophysics investigation of marine. Marine and costal dredging activities	Male
Youngdawng Moh	Republic of Korea	Senior Researcher, Korea Institute of Ocean Science and Technology	National Delegation to Internattional Seabed Authority, UN BBNJ intergovernmental Conference	Male
John Parianos	Australia/Greece	Postdoctoral researcher/ Independent consultant, Cook Islands Seabed Minerals Authority	Geology (marine and terrestrial), Environment (marine), other minerals areas.	Male
Alix Willemez	France	Climate change consultant to international organisations, Independent international consultant	DSM history, policy, law (legislations of the South Pacific countries)	Female
Noémie Wouters	Belgium	programme officer, International Seabed Authority	Marine management & sustainable ocean development	Female
Mpho Sehlabo	South Africa	Library Senior Student Assistant, University of Cape Town	The International Seabed Authority (ISA) See Her Exceed (S.H.E.) Mentorship Program Candidate, 2024	Female

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 8: Desalination and salt production (liquid salt)

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Slimane Maliki	Morocco	Chef de Service de la Planification et de la Coordination Interministérielle Direction de l'Observation, des Études et de la Planification Ministère de la Transition Énergétique et du Développement Durable		M
Co-Lead Members				
Donovan Campbell	Jamaica	Senior Lecturer University of the West Indies		M
Coordinating Author				
Archis Ambulkar	India	Engineering Technology Instructor Toledo Technology Academy, Toledo	Drinking water, water purification, salinity, wastewater, pollution, water resource recovery, oceans, harmful algal blooms, chemical treatment technologies, WOA II contributing author	M
Members of the writing team				
Gregory Wetterau	USA	Membrane Technology Leader, CDM Smith	Seawater desalination, membrane technology, planning and design of water and wastewater treatment facilities, membrane filtration, desalination, and advanced wastewater treatment facilities, potable reuse facilities	Male
Peter Croot	Ireland	Professor, Earth and Ocean Sciences,	Ocean acidification, ocean chemistry, earth and ocean sciences, chemical	Male

		University of Galway	speciation in seawater, atmospheric input of chemicals to the ocean, phytoplankton bloom, ocean fertilization	
Chinenye Ajanwachuku	Nigeria	Principal Marine Environmental Management Officer, Nigerian Maritime Administration and Safety Agency	Environmental impact assessments, marine debris, water quality, water pollution prevention and pollution remediation, waste management, marine environment management regulations, conventions and protocols, maritime action plan	Female
Andrea Cipollina	Italy	Full Professor, Engineering, University of Palermo	Desalination, Salinity gradient power technologies and brine valorisation, solar membrane distillation, membrane separation technologies, desalination by renewable energy, polluting effluents from treatment plants	Male
Jamel Orfi	Kingdom of Saudi Arabia	Professor, Mechanical Engineering, King Saud University	Desalination processes, analysis of thermal and desalination systems, renewable energy applications, power and desalination, solar energy, evaporative cooling systems, brine discharge problems, desalination and energy sciences	Male
Nurasyikin Binti Misdan	Malaysia	Pensyarah Kanan(Senior Lecturer), Universiti Tun Hussein Onn Malaysia	Membrane separation including desalination, water and wastewater treatment	Female
Mushtaque Ahmed	Oman	Professor, Sultan Qaboos University	Water quality, brine disposal from desalination plants, aquifer recharge, soil salinity, saline water, saline soils, biosaline agriculture, greywater, and wastewater treatment and reuse, water resources management	Male
Mohammed	Jordan	Associate Professor, The	Seawater desalination, wastewater treatment by	Male

Rasool Qtaishat		University of Jordan	membrane distillation, electro-coagulation, membrane bioreactor, wastewater treatment by adsorption, novel membranes	
Joe Williams	United Kingdom	Lecturer in Human Geography, Cardiff University	Political ecology of seawater desalination and the water-energy nexus, water infrastructure development, desalination and wastewater reuse, off-grid city and unconventional utility supplies	Male
Maria Christina Fragkou	Chile	Assistant Professor, University of Chile	Seawater desalination, water management and politics, urban sustainability, natural resources scarcity, environmental justice and vulnerability, alternative water supply systems	Female
Chuyang Y. Tang	Hong Kong	Professor, Chair of Environmental Engineering, The University of Hong Kong	Energy-efficient and environmentally-friendly smart seawater desalination system, membrane for water purification and desalination, biomimetic membranes, brine disposal	Male

Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 9: Coastal development

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Kwasi Appeaning Addo	Ghana	Professor, Institute for Environment and Sanitation Studies/Department of Marine and Fisheries Sciences, College of Basic and Applied Sciences, University of Ghana.		M
Co-Lead Members				
Karenne Tun	Singapore	Deputy Director, Coastal and Marine National Biodiversity Centre, National Parks Board (NParks)		F
Coordinating Author				
Liu Dahai	China	Professor, Director for Coastal Center, First Institute of Oceanography, Ministry of Natural Resources	He has a sufficient research base, work experience, international cooperation ability, organizational and communication skills, and team support in ocean and coastal zone analysis, planning, policy, and carbon sinks at the Chinese and international levels, which will support his continued contribution of practical and innovative results in the field of ocean management and marine spatial planning.	M
Members of the writing team				
Matthew Eliot	Australia	Director (Coastal Engineering) at Damara WA & Seashore Engineering Pty Ltd	He has twenty-nine years of specialist experience as a coastal and maritime engineer. He actively contributes to Australian coastal research, with strong	Male

			interests in extreme sea levels, tropical cyclones, long-term coastal change and estuarine dynamics. His research mixes coastal engineering, geomorphology, oceanography and climate change adaptation. He was the chapter author for the chapter of Erosion & Sedimentation in WOAI.	
Matthew Frost	UK	Head of International Office, Plymouth Marine Laboratory	Expert in ocean governance: ocean diplomacy, Ocean science capacity building. Experience working with governments, intergovernmental organisations, embassies, diplomatic networks, NGOs, agencies and committees. Proven success internationally working at high level in strategic development and management within the research and charity sector. Track record in science diplomacy including leading/establishing international networks and national and international policy mapping and engagement. Strong record in publishing and income generation.	Male
Ourania Tzoraki	Greece	Associate Professor, School of the Environment Marine Sciences Department, University of Aegean	She is currently Associate Professor of “Integrated river basin and coastal zone management” at the University of the Aegean (Mytilene, Greece), where she develop novel hydrological and technological approaches to study rivers and the coastal zone environment. She is the (co)author of more than 150 publications in scientific journals, books and	Female

			conference proceedings. Over 20 years she provide technical leadership in several hydrologic engineering applications (i.e. coupling remote sensing with high frequency river monitoring systems, flood alert systems, nutrients mitigation technologies, touristic areas carrying capacity, aquifer and river water health, Artificial Aquifer Recharge with treated wastewater, erosion of UNESCO geoparks) and develop innovative models.	
Vanessa Stelzenmüller	Germany	Head of research unit marine spatial management, Scientific director, Thünen Institute (TI) of Sea Fishereies	She is an expert in ecosystem based marine spatial planning, offshore wind and fisheries interactions, socio-economic impact of MSP on fisheries, co-use /multi-use in solutions. She advised MSP projects in Israel and the Adriatic Sea, contributes to a number of ICES expert groups and chairs ICES expert workshops on probabilistic assessments for spatial management.	Female
Ant Türkmen	Türkiye	LifeWatch ERIC, Italy	His research focuses on Sustainable Blue Economy, Marine Spatial Planning, Nexus Assessment. He's also an expert for the United Nations Division for Ocean Affairs and the Law of the Sea (UNDOALOS), where he contributes to the global reporting and assessment of the state of the marine environment.	Male
Alex Faerman	Israel	Independent Advisor, Civil & Marine Infrastructure, various locations	A seasoned and delivery-focused Engineering Executive with substantial experience in Coastal Engineering & Civil	Male

			<p>Engineering Infrastructure project development.</p> <p>Possesses extensive experience in Coastal Defences, Coastal Engineering and Civil Engineering full project development cycle including project planning, design, tendering process management, contracting and contractual negotiations, and on-site construction supervision and contractor performance evaluation.</p> <p>With proven experience in managing and supervising Infrastructure projects in developing countries often in challenging and complex environments.</p>	
Louies Celliers	South Africa	Senior Scientist, Climate Service Center Germany	<p>His research focuses on coastal and ocean governance and coastal climate services - finding solutions for complex issues related to the well-being of coastal urban communities in a changing climate. His professional and personal goals are underpinned by the global goals for sustainability.</p>	Male
Mina Ogbanga	Nigeria	Associate Professor, Department of Sociology /Social Work, Faculty of Social Sciences, Rivers State University	<p>She has over 23yrs demonstrated experience in environmental sustainability, socio economic rights, cross cutting issues for the promotion of community rights of oceans and coastal inhabitants, gender studies (especially relating to maritime industries and coastal areas), socio-ecology.</p>	Female
Pascal Thoya	Kenya	Research Scientist, Kenya Marine and Fisheries Research Institute	<p>His work focuses on Blue Economy development, Including port development in East Africa. He is a</p>	Male

			<p>current member of Kenya Marine Spatial Planning Secretariat which is developing MSP for Kenya. They handle different aspects of planning that include planning for coastal developments. He has authored several publications related to coastal development including</p> <p>i) Policy gaps in the East African Blue economy: Perspectives of small-scale fishers on port development in Kenya and Tanzania</p> <p>ii) Charting the course for ocean sustainability in the Indian Ocean Rim - Extraction of non-renewable marine resources.</p>	
Olanlo Kadjogbe Abra	Togo	Director of blue economy at Haut Conseil pour la Mer Lome, Togo	<p>She is an expert in ocean governance. Her assignment is to coordinate the development of the blue economy in Togo. She also has expertise in marine spatial planning, waste management and environmental impact assessments, dynamic, enthusiastic, and sociable, she has a good capacity for analyzing pressures, states, impacts and responses. In addition, she is an expert of Women in law of sea (WILOS) for the International Seabed Authority (ISA) and member of Women in Maritime in Africa (WIMA) with aim of promoting young women in maritime, especially for marine scientific research.</p>	Female
Piyali Chowdhury	India	Senior Coastal Scientist, Advisor for marine projects and Topic Lead (Marine & Coastal Physics) at the Centre	<p>She studies the impacts of climate change on our coasts using data driven methods. She has focuses on identifying teleconnections</p>	Female

		for Environment, Fisheries & Aquaculture Science (Cefas), UK	that the global atmospheric phenomena have on regional coastal processes (waves and sediment transport). Her research also encompasses the response of local/regional coasts (processes) to future changes in wave climate under various climate scenarios (extreme events and sea level rise). She has experience in designing experiments including wave-structure modelling which is used for investigating tsunami wave induced debris-dam formation and interaction with coastal vegetation and/or infrastructure. Her current research focuses on reducing risk related to coastal hazards, improving early warning systems, propagation models, perception and preparedness of risk with the use of state-of-the-art digital technologies in different phases of coastal management.	
Yuting Hou	China	Research Fellow, First Institute of Oceanography, Ministry of Natural Resources, China	He has accumulated a good foundation in oceanography and management during his master's and doctoral studies, and has been involved in Marine Spatial Planning (MSP), Integrated Coastal Zone Management (ICZM), marine chemistry, and environmental impact assessment related work for nearly a decade. His research mainly focuses on global MSP typology, marine and coastal zone analysis, planning, management, and policies, etc.	Male

Wenxiu Xing	China	Research Fellow, First Institute of Oceanography, Ministry of Natural Resources, China	Her research interests include marine and coastal economy, coastal zone spatial assessment and planning management. She has presided more than 10 projects, including a number of marine planning, such as the Shandong Coastal Zone Space Special Plan and the Yazhou Bay Marine Space Detailed Plan. She has published over 10 academic papers in journals such as Marine Policy and Urban Planning Forum.	Female
Aline Sbizera Martinez	Brazil	Postdoctoral Research Fellow, Federal University of São Paulo, BR	She is an ecologist who investigates drivers of community dynamics and functioning of marine benthic ecosystems with the ultimate goal of developing nature-based solutions for improving ecosystem conservation and maintaining environmental sustainability. Her research focuses on benthic ecology, anthropogenic impacts, ecosystem services, nature-based solutions (NbS), and conservation of coastal ecosystems.	Female
Jahson Berhane Alemu	Trinidad and Tobago	Research Fellow, University of South Alabama	Marine Ecosystem Service Scientist (PhD as part of the Project for Ecosystem Services, with focus on optimising ecosystem service benefits and minimising trade-offs in coral reef decision making for coastal protection, fisheries, tourism, and recreation benefits; Postdoc on the Natural Capital Singapore project, with mapping the supply of urban coastal ecosystem services, development of coastal typology, assessment of	Male

			coastal protection of natural and man-made structures, blue carbon dynamics, spatial pattern and interactions among multiple ecosystem services, and characterization of the health of natural and managed coastal ecosystems; postdoc on marsh restoration, climate adaptation equity and sea level rise risks to densely urban communities in Boston; currently looking at the resilience benefits of living shorelines to the Gulf of Mexico)	
Curt Daron Storlazzi	USA	Research Geologist, Coastal and Marine Hazards and Resources Program, U.S. Geological Survey Pacific Coastal and Marine Science Center	His interests span the coastal zone, from seafloor erosional processes to sediment dynamics in the shallow coastal ocean. Research focuses on the interplay between geologic structure, climatic fluctuations and coastal processes, the quantitative study of hydrodynamics, sediment transport, and geomorphology in coastal and marine environments.	Male
Jenna Lamphere	USA	Assistant Professor of Environmental Sociology, Texas A&M University, Galveston Campus	Rich expertise in sustainable coastal community development and research experience in Arctic tourism and oil and gas development.	Female
Anya Dunham	Canada	Research Scientist, Fisheries and Oceans Canada	Over the past 18 years she has worked on a number of research projects assessing the effects of coastal development on marine species and ecosystems in Pacific Canada. These projects include assessing biotic exchanges from the movement of floating docks, various aspects of intertidal and suspended shellfish and finfish aquaculture, and the	Female

			effects of a submarine power transmission cable on a glass sponge reef and associated macroinvertebrate communities.	
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Section 5: Socio-ecological systems

Section 5A: A sustainable and inclusive ocean economy

Chapter 10: Geoengineering

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Ian Butler	Australia	Fisheries Scientist at the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) - Canberra		M
Co-Lead Members				
Mariamalia Rodríguez	Costa Rica	Programme coordinator - DOALOS/Norway programmes of assistance to meet the strategic capacity needs of developing states in the field of ocean governance and the law of the sea. Post-Doctoral Research Fellow, World Maritime University - Sasakawa Global Ocean Institute. Empowering Women for the United Nations Decade of Ocean Science for Sustainable Development Project. Consultant for the Pew Charitable Trust		F
Coordinating Author				
Jerry Blackford	UK	Head of Science Marine Systems, Plymouth Marine Lab	CDR, CCS, carbon modelling	
Members of the writing team				
Chelsey Baker	UK	Ocean Biogeochemical Modeller, National Oceanography Centre	Carbon pumps and efficacy of CDR	Female
Aline Sbizera Martinez	Brazil	Postdoctoral Research Fellow, Universidade Federal de São Paulo	Ecosystem services and ecoengineering	Female
Yekaterina	Belgium	Scientific Officer, JPI	Policy, blue carbon and	Female

Astafyeva		Oceans	CDR,	
Mariana Mayer Pinto	Australia	Associate Professor, University of NSW	Physical engineering, nature-based approaches	Female
Richard Sanders	Norway	Director ICOS Ocean thematic Centre, NORCE	Carbon cycling and sequestration	Male
Jahson Berhane Alemu	Trinidad and Tobago	Research Fellow, Nature Conservancy (Massachusetts)	Carbon sequestration and storage, Marine and coastal ecosystem-based management	Male
Navraj Sing Ghaleigh	UK	Senior Lecturer in Climate Law, Edinburgh Law School, Edinburgh University	Legal frameworks relating to CDR	Male
Christopher Pearce	UK	Principal Marine Geoscientist, National Oceanography Centre	MMV technology and CDR	Male
Romany Webb	UK	Research Scholar and Deputy Director, Sabin Centre for Climate Law	Law and regulations for CDR	Female
Liu Dahai	China	Director, Coastal Science and Marine Planning Center, First Institute of Oceanography	Marine planning and coastal management	Male
Jonne Kotta	Estonia	research professor, vice director, Estonian marine Institute	Marine ecosystems, bioeconomy, climate	Male
Precious Mongwe	S Africa	Senior Researcher, Council for Scientific and Industrial Research	Ocean carbon cycle	Male

Section 5: Socio-ecological systems

Section 5B: One Hea

Chapter 1: The role of ecosystems in the carbon cycle

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Rafael González-Quirós	Spain	DIRECTOR DEL CENTRO OCEANOGRÁFICO DE GIJÓN INSTITUTO ESPAÑOL DE OCEANOGRAFÍA (IEO-CSIC)		M
Co-Lead Members				
Renato Quinones	Chile	Full Professor, Department of Oceanography, University of Concepción Director of the Interdisciplinary Center for Aquaculture Research (INCAR), (Center of Excellence of the Chilean National Council for Science and Technology; FONDAP-CONICYT), University of Concepción, Concepción, Chile.		M
Coordinating Author				
Stephen Widdicombe	UK	Director of Science and Deputy Chief Executive, Plymouth Marine Laboratory	Benthos, Climate change	M
Members of the writing team				
Lisa Levin	USA	Distinguished Professor, Scripps Institution of Oceanography	Deep Sea, Benthos	Female
Punysloke Bhadury	India	Professor and SwarnaJayanti Fellow, Indian Institute of	Mangroves, Coastal Sediments, Pelagic	Male

		Science Education and Research (Kolkata)		
Sevrine Sailley	UK	Senior scientist - marine ecosystem modeller, Plymouth Marine Laboratory	Fish modelling, climate change	Female
Udhi Eko Hernawan	Indonesia	Senior Researcher, Research Centre for Oceanography, National Research and Innovation Agency-BRIN	Blue carbon	Male
Catia Fernades Barbosa	Brazil	Professor Titular, Universidade Federal Fluminense	Ecology, corals	Female
Chao Liu	China	Associate Professor, First Institute of Oceanography, Ministry of Natural Resources	Carbon sequestration, coastal management	Male
Alex Poulton	UK	Associate Professor for Biological Oceanography, Heriot-Watt University	Pelagic	Male
Hiroshi Kitazato	Japan	Visiting Professor, Tokyo University of Marine Science and Technology	Deep sea	Male
Olivia Rendon	Honduras / UK	Environmental economist, Plymouth Marine Laboratory	Environemtal ecosonomics, Blue carbon finance	Female
Natalie Hicks	UK	University of Essex	Blue Carbon, coastal ecology and biogeochemistry	Female
Patrick Martin	Singapore	Asian School of the Environment, Nanyang Technological University.	Biogeochemistry, specifically carbon and nutrient cycling	Male

Section 5: Socio-ecological systems

Section 5B: One Health

Chapter 2: The ocean and human health

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Maria Bebianno	Portugal	<p>Professora Catedrática Jubilada</p> <p>Full Professor</p> <p>Centre of Marine and Environmental Research (CIMA)</p> <p>Aquatic Research Network (ARNET)</p> <p>Member of the Group of Experts of the Regular Process for Global Reporting and Assessment of the State of the Marine Environment, including Socioeconomic Aspects (Regular Process) of the United Nations</p> <p>Member of the Portuguese National Committee for the Ocean Decade</p> <p>Universidade do Algarve</p> <p>University of Algarve</p> <p>Campus de Gambelas</p>		F
Co-Lead Members				
Donovan Campbell	Jamaica	Senior Lecturer University of the West Indies		M
Coordinating Author				
Michael Moore	UK	U. Exeter Medical School, European Centre for Environment and Human Health	Environmental Toxicologist, Molecular Cell Pathologist, Ecotoxicologist &	M

		(ECEHH); Plymouth Marine Laboratory (PML); U. Plymouth, School of Biological & Marine Sciences	Mathematical Modeller	
Members of the writing team				
Elisa Berdalet	Spain	Senior Scientist, Institute of Marine Sciences (ICM-CSIC), Barcelona	Harmful Algal Blooms, Marine Ecology	Female
Alistair Boxall	UK	Professor, U. York, Dept. Environment & Geography	Pharmaceutical Contaminants	Male
Lora Fleming	UK/USA	Professor Emerita, U. Exeter Medical School (ECEHH)	Public health, occupational and environmental health physician; epidemiologist, oceans and human health	Female
William Gaze	UK	Professor, U. Exeter Medical School (ECEHH)	Microbiologist, Anti-microbial and Anti-fungal resistance	Male
Awadhesh Jha	UK	Professor, U. Plymouth, School of Biological & Marine Sciences	Genotoxicologist, Environmental Radiation, Nano- & Microparticle pollution	Male
Hanna Joerss	Germany	Deputy Head of Department, Helmholtz-Zentrum Hereon GmbH, Organic Environmental Chemistry, Institute of Coastal Environmental Chemistry	Emergent contaminants	Female
Jae Ryoung Oh	Republic of Korea	Chief Technical Advisor, Korea Institute of Ocean Science & Technology (KIOST), South Korea (Consultant). Centennial Technology Co., South Korea (Chief Technical Advisor - CTA).	Persistent organic pollutants	Male
Francesco Regoli	Italy	Director/Professor, Polytechnic University of Marche, Department of Life and	Pollutant toxicology & environmental chemistry	Male

		Environmental Sciences		
Aldo Viarengo	Italy	Professor & Research Associate, National Research Council (CNR-IAS), Institute for the Study of Anthropic Impacts and Sustainability in the Marine Environment	Molecular and cellular toxicologist, biochemistry & environmental chemistry	Male
Zhiyong Xie	China	Senior Scientist, Helmholtz-Zentrum Hereon, Institute of Coastal Environmental Chemistry	Emergent contaminants	Male
Lorraine Backer	USA	Team Leader & Senior Environmental Epidemiologist, Hite Consulting/National Center for Environmental Health, Centers for Disease Control & Prevention	Allergies & food sensitivities	Female
William Gerwick	USA	Distinguished Professor/Co-Director, UC San Diego Center for Compound Resources, Scripps Institution of Oceanography, & Skaggs School of Pharmacy and Pharmaceutical Sciences, University of California at San Diego	Marine biotechnology & drug discovery	Male
Timothy Bouley	USA	CEO & Founder, BioFeyn, Inc., Boston (USA)	Marine biotechnology & human health	Male

Section 5: Socio-ecological systems				
Section 5B: One Health				
Chapter 3: Human well-being				
Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Donovan Campbell	Jamaica	Senior Lecturer University of the West Indies		M
Co-Lead Members				
Slimane Maliki	Morocco	Chef de Service de la Planification et de la Coordination Interministérielle Direction de l'Observation, des Études et de la Planification Ministère de la Transition Énergétique et du Développement Durable		M
Coordinating Author				
Phoebe Koundouri	Greek	Prof. Dr. Phoebe Koundouri, Professor in Economics at Athens University of Economics and Business & Technical University of Denmark, Chair World Council of Environmental and Resource Economists Associations, Chair SDSN Global Climate Hub, Director of AE4RIA	Innovative, human-centric, interdisciplinary systems for the sustainable interaction between nature, society, SDG's	
Members of the writing team				
Anastasia Litina	Greece	Ass. Professor University of Macedonia, Research Fellow University of Luxembourg	Economics of Well-Being, Culture, Norms, Environmental Economics	Female
Lancaster	Guyana/Barbados	Professor at the University of the West	Energy, Policy Making,	Female

Alana		Indies		
Jiang Nanqinq	China	China Circularity'100 Initiative and China Circular and Zero Carbon Innovation Fun	Sustainability, Circularity and climate, Policy making	Female
Laura Onofri	Italy	Laura Onofri. University of Padova UNIPD · Department of Land, Environment, Agriculture and Forestry TESAF		Female

Section 5: Socio-ecological systems Section 5B: One Health Chapter 4: Ocean hazards of natural origin				
Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Yutaka Michida	Japan	Director, Center for International Collaboration Atmosphere and Ocean Research Institute (AORI), The University of Tokyo		M
Co-Lead Members				
Vasily Smolyanitsky	Russian Federation	Leading scientist-head of laboratory Arctic and Antarctic Research Institute (AARI)		M
Coordinating Author				
Achilleas Samaras	Greece	Assist. Professor @ Democritus University of Thrace, Greece	Expretrise relevant for the Chapter: Ocean Modelling; Coastal Modelling; Tsunamis; Coastal Hazards; Coastal Risk and Resilience; Climate change impact assessment and mitigation in coastal areas /// Excellent publication and relevant research projects track record /// Regions of Specialization in PoE: The Global Ocean as a whole; The North Atlantic Ocean, the Baltic Sea, the Black Sea, the Mediterranean and the North Sea	M
Members of the writing team				
Karina von Schuckmann	Germany	Scientific Director @ Mercator Ocean International, France	Expretrise relevant for the Chapter: Ocean Climate Monitoring; Ocean Modelling; Climate Hazards; Ocean Hazards. /// Excellent publication and relevant research projects	Female

			track record /// Author (various roles) for IPCC Reports, Leading Roles for CMEMS, Author for WMO reports, etc. /// Regions of Specialization in PoE: The Global Ocean as a whole; The North Atlantic Ocean, the Baltic Sea, the Black Sea, the Mediterranean and the North Sea	
Roshanka Ranasinghe	Sri Lanka	Professor @ IHE Delft Institute for Water Education, The Netherlands /// Professor @ University of Twente, Belgium	Expertise relevant for the Chapter: Coastal Modelling; Climate Change Risk and Vulnerability; Climate Change Impacts; Coastal Risk and Resilience. /// Excellent publication and relevant research projects track record /// Coordinating Author for WOA II, Author (various roles) for IPCC Reports, etc. /// Region of Specialization in PoE: The Global Ocean as a whole	Male
Piyali Chowdhury	India	Senior Scientist @ Centre for Environment, Fisheries & Aquaculture Science (Cefas), United Kingdom	Expertise relevant for the Chapter: Ocean Modelling; Coastal Modelling; Climate Change Risk and Vulnerability; Climate Change Impacts and Adaptation. /// Excellent publication and relevant research projects track record track record /// Member of the International Marine Climate Change Centre (iMC3) at Cefas. /// Regions of Specialization in PoE: The North Atlantic Ocean, the Baltic Sea, the Black Sea, the Mediterranean and the North Sea; The South Atlantic Ocean and the Wider Caribbean; The Indian Ocean, the Arabian Sea, the Bay of Bengal, the	Female

			Red Sea and the Gulf of Aden and the Persian Gulf	
Davide Bonaldo	Italy	Research Scientist @ National Research Council, Institute of Marine Science (CNR-ISMAR), Italy	Expertise relevant for the Chapter: Coastal Modelling; Ocean Modelling; Operational Oceanography; Meteorological-marine modelling; Climate Change Impacts; Coastal Protection. /// Excellent publication and relevant research projects track record	Male
Ioanna Triantafyllou	Greece	Research Associate @ National and Kapodistrian University of Athens, Greece /// Research Associate @ Hellenic Mediterranean University	Expertise relevant for the Chapter: Geophysics; Earthquakes; Tsunamis; Disaster Science. /// Excellent publication and relevant research projects track record.	Female
Johan Reyns	Belgium	Researcher @ IHE Delft Institute for Water Education, The Netherlands	Expertise relevant for the Chapter: Coastal Modelling; Climate Change Impacts; Coastal Risk and Resilience. /// Very good publication and relevant research projects track record	Male

Section 5: Socio-ecological systems Section 5B: One Health Chapter 5: Equity				
Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Jörn Schmidt	Germany	Chair of the Science Committee International Council for the Exploration of the Sea Senior Research Fellow, Marine Food Security Center for Ocean and Society (CEOS) Kiel Marine Science (KMS), Christian-Albrechts-Universität zu Kiel, Germany		M
Co-Lead Members				
Roberto de Pinho	Brazil	Senior Science and Technology Analyst at the Brazilian Ministry of Science, Technology and Innovation, currently working at the General Coordination for the Ocean and Antarctica and delegate to the OECD's National Expert on Science and Technology Indicators Working Party (NESTI), the Global Science Forum (GSF) and to the Intergovernmental Oceanographic Commission (IOC) Assembly		M
Coordinating Author				
Nathan Bennett	Canada	Global Oceans Lead	Equity in marine	M

		Scientist (WWF) and Chair of the People and the Ocean Specialist Group (IUCN), WWF/IUCN	conservation and blue economy, environmental justice issues related to the ocean, human right to a healthy ocean, human rights in fisheries, ocean defenders, governance	
Members of the writing team				
Jessica Blythe	Canada	Associate Professor, Brock University	small-scale fisheries, blue justice, marine conservation, ocean equity, social science	F
Elena Finkbeiner	United States	Director, Coastal Community Fisheries, Conservation International	I have been working as an academic and conservation practitioner at the nexus of social equity and fisheries sustainability	F
Caroline Ferguson Irlanda	USA	Postdoctoral Researcher, Stanford University	ocean equity, seafood justice, coastal access, gender in fisheries, food sovereignty, Micronesia	F
Alana Malinde S.N.Lancaster	Barbados/Guyana	Senior Lecturer in Law & Head of the Environmental Law, Ocean Governance & Climate Justice Unit of the Faculty of Law, The University of the West Indies, Cave Hill Campus	human rights law; ocean-climate nexus; children's rights & the ocean; SIDS	F
Stefan Gelcich	Chile	Professor and director, Universidad Católica & Millenium institute on coastal social ecological systems	Equity, small scale fisheries, cooperation, justice	M
Rocio Lopez de la Lama	Peru	Postdoc fellow, University of British Columbia	human rights, justice, environmental rights, coastal communities	F
Mia Strand	South Africa	Postdoctoral Research Fellow, Nelson Mandela University	ocean equity, cognitive justice, transdisciplinarity, knowledge co-production, socio-cultural dimensions	F
Bolanle Erinosho	Nigeria	Senior Lecturer, University of Derby	Human rights and small scale fisheries	F

Richard Nyiawung	Cameroon	Postdoctoral Research Scholar, Stanford University	Ocean and marine conservation and sustainability	M
Samiya Ahmed Selim	Bangladesh	Professor and Director, University of Liberal Arts Bangladesh	Climate justice, diversity, equity and inclusion, blue justice, Bay of Bengal marine sociological system, human dimensions	F
Quentin Hanich	Australia	Nippon Foundation Ocean Nexus Chair in Fisheries Governance, Australian National Centre for Ocean Resources and Security (ANCORS) University of Wollongong	Equitable conservation and management of transboundary fisheries	M
Lora E Fleming	US and UK	Emerita Professor, European Centre for Environment and Human Health University of Exeter Medical School	Oceans and Human Health	F
Sebastian Villasante	Spain	Director of the EqualSea Lab, Coordinator of the EQUALSEA European Research Council Consolidator Grant project, University of Santiago de Compostela	Ocean equity, social sustainability, governance, global south	M
Colette Wabnitz	France (nationality) - Canada (residence)	Lead Scientist, University of British Columbia and Stanford University	Gender and fisheries; food and nutrition security; small scale fisheries; sustainable development; climate change	F
Joeri Scholtens	Netherlands	Senior Lecturer, University of Amsterdam	Inequality, distribution, fisheries conflict, blue foods, fish food security.	M

Section 5: Socio-ecological systems

Section 5B: One Health

Chapter 6: Gender

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Mariamalia Rodríguez	Costa Rica	<p>Programme coordinator - DOALOS/Norway programmes of assistance to meet the strategic capacity needs of developing states in the field of ocean governance and the law of the sea.</p> <p>Post-Doctoral Research Fellow, World Maritime University - Sasakawa Global Ocean Institute. Empowering Women for the United Nations Decade of Ocean Science for Sustainable Development Project.</p> <p>Consultant for the Pew Charitable Trust</p>		F
Co-Lead Members				
Slimane Maliki	Morocco	<p>Chef de Service de la Planification et de la Coordination Interministérielle</p> <p>Direction de l'Observation, des Études et de la Planification Ministère de la Transition Énergétique et du Développement Durable</p>		M
Coordinating Author				
Leandra R. Gonçalves	Brasil	Assistant Professor, Federal University of São Paulo	Ocean governance: compliance, monitoring and enforcement / Gender studies (especially relating to maritime industries and	F

			coastal areas)	
Members of the writing team				
Elena Mengo	UNITED KINGDON	Senior Environmental Social Scientist, Cefas-Centre for Environment, Fisheries and Aquaculture Science	Maritime industry	Female
Renis Auma Ojwala	KENYA	Research Assistant, World Maritime University	Ocean Science	Female
Luciana Yokoyama Xavier	BRASIL	Post-doctoral reseracher, Oceanographic Institute - University of São Paulo & Catedra UNESCO for Ocean Sustainability	SSF and gender	Female
Mina Ogbanga	NIGERIA	Associate Professor, River State University	Ocean Science	Female
Ellen Johannesen	CANADIAN	Phd Candidate in Maritime Affairs- Research Assistant (WMU) & Coordinating Officer (ICES), World Maritime University/International Council for the Exploration of the Sea	Ocean Science	Female
Luceni Hellenbrant	BRASIL	Postdoctoral researcher, Federal University of Paraná	Social Science and SSF	Female
Katia Frangoudes	France	Researcher, Université de Bretagne Occidentale	Governability of marine resources, Gender	Female
Momoko Kitada	Japan	Nippon Foundation Professorial Chair in Gender and Innovation, World Maritime University	Integrating gender perspectives across various maritime disciplines, including education, energy management, sustainable development, capacity building, and digitalization	Female

Section 5: Socio-ecological systems

Section 5B: One Health

Chapter 7: Pandemics including COVID-19 Impacts

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Ian Butler	Australia	Fisheries Scientist at the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) - Canberra		M
Co-Lead Members				
Carmen Mifsud	Malta	Senior Environment/Enforcement Officer at ERA - Environment & Resource Authority Visiting Lecturer at University of Malta and at the IMO-International Maritime Law Institute (IMLI)		F
Coordinating Author				
Easton White	United States	Assistant Professor, University of New Hampshire	COVID-19 research	M
Members of the writing team				
Sindhura Polepalli	India	Maritime Legal Consultant, Ministry of Ports, Shipping and Waterways	Ocean governance/law of the sea, Ocean governance: maritime regulation regime	female
Victoria N. Erasmus	Namibia	Operations Manager, Fisheries Observer Agency	pandemics and fisheries observers	female
Amelie Laute	Iceland	Research Officer, Whale Wise	animal behavior	female
Priyal Bunwaree	Mauritius	Senior Legal Counsel, Blue Marine Foundation	COVID, illegal behavior, AIS work	female
Thauan Santos	Brazil	Professor, Graduate Program in Maritime Studies, Brazilian Naval War College	Economic benefits of the ocean to humans, Economic inequality	male

		(PPGEM/EGN) and Center for the Blue Economy, Middlebury Institute of International Studies (CBE/MIIS)		
Candace May	United States	Instructor. Master's Program in Community Development. GPIDEA (Great Plains Interactive Distance Education Alliance). 2020–Present Affiliated Assistant Professor. Department of Natural Resource Management, South Dakota State University. 2016–Present Assistant Professor. Department of Sociology & Rural Studies, South Dakota State University.	Natural Resources & Rural Sociology; Governance (Institutions, Organizations, and People); Environmental and Climate (In)Justice, Stratification; Collective Action; Community Development; Complex Socio-Ecological Systems, Resilience, Vulnerability, and Adaptive Capacity	female
Sebastian Villasante	Spain	University of Santiago de Compostela		male

Section 5: Socio-ecological systems

Section 5B: One Health

Chapter 8: Indigenous, Traditional owner and Local community Knowledge

Name	State	Affiliation	Relevant Experience	Gender
Lead Member				
Ian Butler	Australia	Fisheries Scientist at the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) - Canberra		M
Co-Lead Members				
Jörn Schmidt	Germany	Chair of the Science Committee International Council for the Exploration of the Sea Senior Research Fellow, Marine Food Security Center for Ocean and Society (CEOS) Kiel Marine Science (KMS), Christian-Albrechts-Universität zu Kiel, Germany		M
Coordinating Author				
Paul Tuda	Germany	Acting Deputy Chief of Party / PACT Malawi & Fisheries Expert, University of Rhodes Island, Coastal Resource Center (CRC)	Expertise in integrating learning, communications and policy development across relevant donor, government, and other stakeholder networks in the context of fisheries data generation and analysis for management, policy and advocacy	M
Members of the writing team				
Vatsoa Rakotondrazafy	Madagascar	IPLC Champion, IUCN (International Union for Conservation of Nature)	Coastal communities (indigenous) / Ocean governance/law of the sea	Female

		Eastern and Southern Africa Regional Office (ESARO)		
Rosiana Lagi	Fiji	Deputy Head (Learning, Teaching and Quality) School of Pacific Arts, Communication and Education, University of the South Pacific	Expertise in working with communities and teachers in Tuvalu on integration of the Traditional Knowledge of Climate Change and best traditional practices in school curriculum and community policies	Female
Esmeralda Mariano	Mozambique	Director of Master Course on Gender and Development, Eduardo Mondlane University (UEM)	Anthropology: cultural values associated with the ocean / Anthropology: spiritual values associated with the ocean	Female