



MINISTÉRIO DO MAR, ÁGUAS INTERIORES E PESCAS

2ª EDIÇÃO DA CONFERÊNCIA CRESCENDO AZUL
“Investing in Ocean’s Health is Securing Planet’s Future”

CHIBOENE, VILANKULOS, INHAMBANE PROVINCE
PROGRAMME OF THE CONFERENCE

(09:00 – 15:00)		DAY 18.11.2021	
Hora	Activity	Actor/Responsable	Place
Opening Cerimony			Dugongo Tent
09:00	Arrival of the participants	Protocol/Secretariat	
10:25	Arrival of the Heads of the States at the site of the II Edition of the Growing Blue Conference	Protocol	
10:30	The Heads of States enter the Conference Room	Protocol	
	National Anthem Presentation of the Program	Master of Ceremony	
10:40	Welcome remarks	Honorable Daniel Franciso Chapo , Governor of Inhambane Province	

10:45	Intervention	Honorable Verónica Macamo , Minister of Foreign Affair	Tenda Dugongo
10:50	Cultural moment	National Singing and Dance Company	
11:05	Projection of Official video of the II Edition of the growing glue conference	Master of Ceremony	
11:10	Intervention	Honorable Augusta de Fátima Charifo Maita , Minister of Sea, Inland Waters and Fisheries	
11:15	Launch of the Marine Spatial Planining (POEM)	Master of Ceremony	
11:20	Official opening Speech öGrowing blue: <i>Investing in Ocean’s Health is Securing Planet’s Future</i> ö	His Excellency, Filipe Jacinto Nyusi , President of the Republic of Mozambique	
Special Session			
11:50	Intervention	His Excellency, Uhuru Kenyatta , The President of Republic of Kenia	Dugongo Tent
12:00	Intervention	Honorable Peter Thomson , UN Secretary General's Special Envoy for Oceans	
12:05	Intervention	Honorable Josefa Leonel Correia Sacko , Comissioner for Agriculture, Rural Development, , Blue Economy and Sustanainable Development, AU	
12:10	Intervention	Honorable Per Olsson Fridh , Minister of Cooperation and International Development, Sweden	

12:15	Intervention	Honorable Ricardo Serrão Santos , Minister of Sea, Portugal	Dugongo Tent
12:20	Intervention	Honorable Luhaga Joelson Mpina , Minister of Fisheries, Tanzania	
12:25	Intervention	Honorable Antonio Francisco de Assis , Minister of Agriculture and Fisheries of Angola	
12:30	Intervention	Honorable Antonio Sanchez-Benedito Gaspar , Ambassador for the EU in Mozambique	
12:35	Intervention	Honorable Haakon Gram-Johannessen , Ambassador for the Kingdom of Norway	
12:40	Intervention	Sir Gilbert Founssoun Hounbo , IDAF President	
12:45	Intervention	Madam Idah Z. Pswarayi-Riddihough The World Bank Regional Director	
12:50	Intervention	Honorable Chigozirige Nne Nne Iwuji-Eme , High Commissioner for UK	
13:00	Visit to the exhibition site	Protocol	
13:15	Official photo	Protocol	
13:45 – 15:00	LUNCH	Invited guests	
(15:00 – 17:35)	PLENARY SESSION I: SUSTAINABLE OCEAN GOVERNANCE		

15:15 -15:35	<u>Keynote Presentation:</u> Progress, Opportunity and Challenges in the Implementation of the ODS14	Peter Thomson, UN Secretary General's Special Envoy for Oceans	Dugongo Tent
15:35 – 15:50	Scene setting: Alignment for the growing blue conference with global efforts towards ocean's sustainable development.	Agostinho Mondlane, Former Minister of Sea, Inland Waters and Fisheries	
15:50 – 16:05	Effective Ocean Governance for a Sustainable Blue Economy	Timothy Gilbert Andrew, Nairobi Convention's Policy and Governance Officer)	
16:05 – 16:20	Investing in Sustainable Fisheries and Aquaculture through Blue Transformation	Manuel Barange, FAO	
16:20 – 16:35	Ocean Accounting: Global Partnership for Ocean Accounting (GOAP)	Ken Findlay/Tainã Loureiro, GOAP Secretariat	
16:35 – 16:50	Angola Perspective for Blue Economy Development	Antonio Francisco de Assis Minister of Agriculture and Fisheries, Angola	
16:50 – 17:05	Impact of Climate Change in Mozambique	Ivete Maibaze, Minister for Land and Environment of Mozambique	
17:05 – 17:35	Discussion and Closing Remarks	Moderator: Jorge Ferrão, The Dean of UniMaputo	
17:35 – 17:50	Break		
(17:50 – 19:35)	PLENARY SESSION II: OCEAN ROUTES		
17:50 – 18:05	<u>Key note address:</u> The Commonwealth Blue Chard: Innovation in International Cooperation	Jeff Ardron, Commonwealth Secretariat	Dugongo Tent
18:05 – 18:20	Coastal State versus Maritime State, taking into account the Rights and Obligations arising from International Conventions	Lourenço Machado, Ministry of Transport and Communications	
18:20 – 18:35	Maritime Navigation Challenges in the Framework of the Development of a Sustainable Blue Economy	Dave Ngui Muli, Regional Coordinator for East and Southern Africa for the IMO	

18:35 – 18:50	Strengthening regional fisheries monitoring, control and surveillance (MCS) mechanisms in the SADC Region to Combat IUU	Motseki Hlatshwayo, Technical Advisor-Fisheries, SADC Secretariat	
18:50 – 19:35	Discussions and closing remarks	Moderator: Patrício José, Lecturer Joaquim Chissano University	
Day 19.11.2021			
(07:45 – 09:15)	PARALLEL SESSION A: MARITIME SAFETY AND PROTECTION		
07:45 – 07:55	Contemporary Maritime Threats and the Challenges to Maritime Security and Ocean Governance	Emílio Jovando Zeca, Joaquim Chissano University	Dugongo Tent
07:55 – 08:05	Maritime Security beyond the State: International Cooperation and the Engagement of Sub-State Actors	Énio Chingotuane, Joaquim Chissano University	
08:05 – 08:15	Maritime security in the Mozambique Channel as a condition for peace, security and development	Eugênio Bento Bandeira, and Arsénio Sozinho Mufume, Defense Ministry	
08:15 – 08:25	Maritime security in the Mozambique: Perspectives for development of a strategy for a system for management of maritime security	Sheila Marcela Dinis Cossa, Freelance reseacher	
08:25 – 08:35	Illegal Fishing? Evidences and Analysis	Elsa Patria, Stop Ilegal Fishing	
08:35 – 08:45	Safe and decent working conditions for fisheries workers within SADC	Per Erik Bergh, Stop Ilegal Fishing	
08:45 – 09:15	Discussion and closing remarks	Moderator: Eugénio Muianga, Former General Director for INAMAR	
(07:45 – 09:15)	PARALLEL SESSION B: TRANSPORT AND NAVIGATION, PORTS AND MARITIME TRADE		
07:45 – 07:55	Modernization and Development of Ports in Third World countries, in order to create greater economic competitiveness and sustainability in the context of blue ports	Frederico Silva/ Florinda Cambula, MTC	Tartaruga Marinha Tent
07:55 – 08:05	Maritime Training and Certification versus Transport and Maritime Industry Development	Nautical School Infante D. Henrique, Portugal	

08:05 – 08:15	Environmental Impact of Maritime Transport: Responsibility of Coastal States for the Effects of Marine Pollution	Albano Gove, MTC	
08:15 – 09:15	Discussion and closing reamrks	Moderator: Paulo Mata, Director of projects of the Maputo Port	
(07:45 – 09:15)	PARALLEL SESSION C: BIODIVERSITY AND CONSERVATION		
07:45 – 07:55	Protected Areas Management Towards GBF 30/30 target)	Denis Matatiken, PS Ministry of Environment, Seychelles	Atum Tent
07:55 – 08:05	Marine Protection Areas for Fisheries Management	José Luis Sanchez Lisaso, University of Marine Sciences of Alicante, Spain	
08:05 – 08:15	Work to preserve biodiversity in Bazaruto Archipelago National Park	Evan Trotzuk, Africa Parks	
08:15 – 08:25	Marine Mammals/Dugongs of the Region	Almeida Guissamulo, Lecturer and Reseacher, UEM	
08:25 – 08:35	NDF of two CITES Appendix II shark species in Mozambique	Rhett Beneth, WCS	
08:35 – 08:45	Status of the world's mangroves with reference to the situation in Mozambique and in line with the National Program for the restoration of the Mangrove Ecosystem (Global Mangrove Alliance)	Salomão Bandeira, Lecturer and Researcher, UEM	
08:45 – 08:55	National Strategy and Action Plan for the Management and Conservation of Coral Reefs in Mozambique	Francisco Zivane, Researcher, IIP	
08:55 – 09:15	Debate	Moderator: Erwan Sola, WCS	
(07:45 – 09:15)	PARALLEL SESSION D: ECOTOURISM		
07:45 – 07:55	Maritime Cultural Heritage in Mozambique and its importance for Social Development	Ricardo Teixeira Duarte, CAIRIM/UEM	Camarão Tent
07:55 – 08:05	Acoustic Ecology and Cultures on the coast of Mozambique	Rufus Maculuve, President of the Mozambiquan Federation of creative and cultural industryó FEMICC	

08:05 – 08:15	Tourism and Sustainable Development	Yassin Suleman Esep Amuji, President for the Tourism Association of Vilankulos	
08:15 – 08:25	Success stories of trainees who set up tourist companies taking into account the preservation of the environment, after receiving training at FOR-MAR.	FOR-MAR	
08:25 – 08:35	Effects of the Covid-19 Pandemic on Tourism in Sub-Saharan Africa and Mozambique	José Júlio Guambe, UP-FCTA	
08:35 – 08:45	Cruise tourism Pós-Covid-19	Ross Volk, Director Administrativo da MSC Cruzeiros, RSA	
08:45 – 09:15	Discussions and closing remarks	Moderator: Mohamed Harun, Director for Tourism and Sustainable Utilization	
(07:45 – 09:15)	PARALLEL SESSION E: BLUE ECONOMY AND MARITIME PLANNING		
07:45 – 07:55	Operationalization of the Legal Framework for the Private Use of Maritime Space	Directorate-General for Natural Resources, Security and Maritime Services (DGRM)	Tubarão Baleia Tent
07:55 – 08:05	Strategies and Success Factors in the Implementation of the Blue Economy in Cape Verde	Raffaella Gozzelino, Dean of the Technical University of the Atlantic	
08:05 – 08:15	Importance of International Cooperation in Water Resources Management and Impacts on Marine Ecosystems	Agostinho Vilanculos, MOPHRH	
08:15 – 08:25	Cooperative governance of the oceans: an example of collaboration among Arctic coastal states to map the extent of the continental shelf	David Mosher , member of UN/CLCS	
08:25 – 08:35	Scenarios for Expansion of Marine Conservation Areas in Mozambique	Eleutério Duarte, WCS	
08:35 – 08:45	Coastal Planning and Municipal Management of the Coastal Zone - Challenges and Perspectives	William Tunzine, Mayor of the Vilankulo Municipality	
08:45 – 09:15	Discussion and Closing remarks	Moderator: Felismina Antia, Director DIPOL	

09:15 – 09:45	Intervalo		
(09:45 – 12:30)	PLENARY SESSION III: OCEAN AND INNOVATION		
09:45 – 10:00	<u>Keynote Speech</u> : Science, Technology and Innovation as a tool harness the potential Blue Economy	Orlando Quilambo, Dean of the UEM	Dugongo Tent
10:00 – 10:15	The Role of Ocean Science and Technology in Achieving SDG14	Bernardo Mariano Jr., United Nations Deputy Secretary General for Information Technology and Communications)	
10:15 – 10:30	The role of science in developing a sustainable ocean economy	Peter Mosby Haugan, IMR, IMR, Norway	
10:30 – 10:45	The role of BIOFUND on biodiversity conservation in Mozambique	Maria Alexandra Jorge, Director of programs, BIOFUND	
10:45 – 11:00	International Experiences in Ocean Innovation for the Blue Economy	Filipe Duarte Santos, University of Lisbon	
11:00 – 11:15	Strengthening Science to policy dialogue	Arthur Tuda, Executive Secretary, WIOMSA	
11:15 – 11:30	Marine Robotics as an Alternative to Traditional Ocean Observation Systems: Gliders, Drones and Vessels	Mike Roberts, Nelson Mandela University	
11:30 – 11:45	Multi-Stakeholder Governance and Action for a Sustainable Blue Economy at WIO	Robin Farrington, Project Manager, Nairobi Convention	
11:45 – 12:30	Discussion and Closing remarks	Moderator: Domingos Gove, Director of Agriculture Food and Natural Resources, SADC	
12:30 – 12:40	Intervalo		
(12:40 – 14:55)	PLENARY SESSION IV: ENERGIES AND OCEAN		

12:40 – 12:55	Keynote address: Unlocking the Potential of Sustainable Ocean Energy	Vicky Seymour , Development Director at the UK High Commission in Mozambique	Dugongo Tent
12:55 – 13:10	Wind Fields and Ocean Circulation in the Mozambique Channel: Perspectives from Different Estimates	Avelino Ângelo Adolfo Langa , Director of the ESCMC- UEM	
13:10 – 13:25	The dormant geological potential in the Mozambique Channel	Estevão Mahanjane , Member of the UN/CLCS	
13:25 – 13:40	Status of the Exploration for Mineral Resources in the Area	Pedro Madureira , International Seabed Authority	
13:40 – 13:55	Blue Power Innovation in Africa	Francisco Gemo Francisco , Smartsouth Consult, Uppsala, Sweden	
13:55 – 14:10	Seismic Surveys and Fisheries - Conflict or Coexistence? Knowledge, Dialogue and Understanding are Fundamental to Finding Solutions. Value of Norwegian Experience to Mozambique	Kristian Landmark Skaar , Fisheries Directorate, Norway	
14:10 – 14:40	Discussions and Concluding remarks	Moderator: António Osvaldo Saíde , CEO, FUNAE	
14:40 – 16:00	LUNCH		Logistic Tent
(16:00 – 18:00)	PARALLEL SESSION F: SCIENCE, TECHNOLOGY AND INNOVATION		Dugongo Tent
16:00 – 16:10	How to Undertake and Innovate with Sea Resources for Youth Employability	Eduardo Chimela , National Director of Job Observation at the State Secretariat for Youth and Employment, Mozambique	
16:10 – 16:20	The Decade of Ocean Science ó <i>Intergovernmental Oceanography Commission</i>	Paul Gomis , UNESCO-IOC Representative in Mozambique and Head of Office in Maputo	
16:20 – 16:30	The C-RISe (Coastal Risk Information Service) Project with Eduardo Mondlane University and INAHINA ó Satellite Derived marine data for coastal risk management applications	David Cotton , Satellite Oceanographic Consultants Ltd (UK)	

16:30 – 16:40	Long-term ocean observing system and value for science, management/conservation and policy makers	Tommy Bornman, South African Environmental Observation Network (SAEON)	
16:40 – 16:50	Infrastructure requirements for prospering blue tech and innovation	Linus Hammar, Swedish Agency for Marine and Water Management, Göteborg, Sweden	
16:50 – 17:00	Algae Biotechnology Application	Valera Dias, Lecturer, UEM	
17:00 – 17:10	The Blue School	General Directorate for Sea Policy, Portugal	
17:10 – 17:20	“Initiative, Blue Education” Creation of Institutional Capacity to launch the initiative in Mozambique	Carlos Manuel dos Santos Serra, Cooperativa de Educação Ambiental Repensar	
17:20 – 17:30	Effect of climate teleconnections on precipitation in Mozambique	Hélder Arlindo Machaieie, Lecturer, University Eduardo Mondlane	
17:30 - 18:00	Discussions and concluding remarks	Moderator: António Hogueane, Professor, University Eduardo Mondlane	
(16:00 – 18:00)	PARALLEL SESSION G: MARINE POLLUTION		Tartaruga Marinha Tent
16:00 – 16:10	Towards Zero Plastics in the African Seas	Tony Ribbink, CEO, Sustainable Seas Trust	
16:10 – 16:20	Marine Pollution and International Involvement	James Clarke, UK Department for Environment, Food and Rural Affairs	
16:20 – 16:30	Climate regulating oceans versus pollution	António Armindo Monjane, Lecturer, UniMaputo	

16:30 – 16:40	Baseline on Contaminants in Marine Sediments off the North Coast of Mozambique	Hermínio Muiambo, Lecturer, UEM	
16:40 – 16:50	Transport of pollutants to the Espírito Santo Estuary through the Infulene River basin	Estêvão Pondja, Lecturer, UEM	
16:50 – 17:00	Characterization of plastics on urban beaches in Maputo City	Karina Montani, Lecturer, UEM	
17:00 – 17:10	Recycling and melting of broken glass from the beaches of Maputo City	Jonas Matsinhe, Lecturer, UEM	
17:10 – 17:20	Global and local efforts to reduce marine pollution caused by plastics	Milagros Aime, World Bank	
17:20 – 17:30	Preventing and Combating Marine Pollution	IPMA, Portugal	
17:30 – 18:00	Discussions and concluding remarks	Moderator: Perpétua Scarlett, Lecturer, University Eduardo Mondlane	
(16:00 – 18:00)	PARALLEL SESSION H: IMPACT OF CLIMATE CHANGE ON FOOD SECURITY		Tubarão Baleia Tent
16:00 – 16:10	Climate Change and (in) Food Security in the Western Indian Ocean Region	Mike Roberts, Nelson Mandela University	
16:10 – 16:20	Nature-based solutions: protecting coastal communities, safeguarding ecosystems	Boris van Zanten, World Bank	
16:20 – 16:30	Mozambique's Nationally Determined Contribution (NDC)	Marília Telma António Manjate, MTA/DMC	
16:30 – 16:40	Climate Change/Food Food Security: Aquaculture in the Private Sector	Zerene Ghairun Haddad, UK/AMAQUA, Mozambican Aquaculture Association	
16:40 – 16:50	Modeling the Impact of Climate Change on skipjack (<i>Katsuwonus pelamis</i>) in the Mozambique Channel	Anildo Naftal Nataniel, UEM/ESCMC	
16:50 – 17:00	Identification of Barriers to the Transfer of Adaptation Technologies to Climate Change in Coastal Zones of Mozambique	Sinibaldo de Jesus Varela Canhanga, Director of Hydrography and Cartography Services, INAHINA	

17:00 – 17:10	Aquaculture: Opportunities and Challenges in the Blue Economy in Mozambique	Manecas Baloi, Lecturer, University Eduardo Mondlane, Faculty of Veterinary	
17:10 – 17:20	Fisheries and mariculture as the main tools to combat climate change and guarantee food supplies	Harrison Karisa, Banco Mundial	
17:20 – 17:30	The case of TiLV (lake tilapia virus) in CEPAQ, myth or truth?	Rafael Rafael, Center for Research in Aquaculture	
17:20 – 18:00	Discussion and closing remarks	Moderator: Adérito Aramuge, Director of INAM	
(16:00 – 18:00)	PARALLEL SESSION I: OIL AND GAS		
16:00 – 16:10	Projecting the national capacity for an effective response in scenarios of oil spills and its derivatives in maritime spaces under National jurisdiction	Pascoal Bonifácio Augusto/ Tenarde Moniz da Silva Cossoma José, Ministry of National Defense	Atum Tent
16:10 – 16:20	Developing the Oil and Gas Industry: Challenges for Sustainable Exploration of the Oceans	Estêvão Mahanjane, Member of the UN/CLCS	
16:20 – 16:30	Basic Environmental Conditions in Northern Mozambique before Gas Exploration, Case Study	Paula Santana Afonso, Researcher, Fisheries Research Institute	
16:30 – 16:40	Challenges inherent to the sustainable exploration of minerals in the coastal zone and seabed	Zulfa Nazimo Ibrahim Mussá, -Mational Institute for Mining	
16:40 – 16:50	Make the extraction of oil and gas compatible with the sustainable development of the oceans	Instituto Nacional de Petróleos, National Institute for Petrolleum	
16:50 – 18:00	Discussions and concluding remarks	Moderator: Bernardino Malawene, Researcher, Fisheries Research Institute	

(16:00 – 18:00)	PARALLEL SESSION J: RENEWABLE ENERGIES		Camarão Tent
16:00 – 16:10	Wind Energy in Coastal Areas	Pedro Coutinho, CEO Source Capital	
16:10 – 16:20	Solar Energy and Fisheries Ports	Paulo Raposeiro, Epilson Director	
16:20 – 16:30	Biogas Production from Aquatic Macrophytes ó Example of Water Hyacinth and Macroalgae	Miguel Uamusse, UEM	
16:30 – 16:40	Ocean Renewable Energy ó Sources, Technology and Challenges in the Sub-Saharan African Region	Noca Bernardo Furaca da Silva, UEM-Center for Ocean Tecnology	
16:40 – 18:00	Discussions and concluding remarks	Moderator: Motseki Hlatshwayo, Technical Advisor-Fisheries, SADC Secretariat	
18:00 – 18:30 Break			
18:30 – 19:30	CLOSING SESSION		Dugongo Tent
18:30 ó 18:45	Reading the II Edition of the <i>Growing Blue</i> Conference's Final Communication	Secretariat	
18:45 ó 18:55	On the way to the Second Conference of the Oceans, Lisbon 2022	Honorable Ricardo Serrão Santos, Minister of Sea of Portugal	
18:55 ó 19:10	Acknowledgements	Honorable Augusta de Fátima Charifo Maíta, Minister of Sea, Inland Waters and Fisheries, Mozambique	
19:10 ó 19:30	Closing Speech	Honorable Carlos Agostinho do Rosário, Prime-Minister of the Republic of Mozambique	
End of the II Edition of the Growing Blue Conference			