



2024 Shenzhen Global Marine Economy Forum and World Laureates Ocean Forum

Sheraton Shenzhen Futian Hotel, 31 October-1st November 2024

"Developing the growth drivers of the Blue economy"

Public program as of 31 October 2024

Names listed by alphabetical order - Names of the country where the principal HQ of the company is located

Thursday 31 October 2024 14:00 - 18:30 (Shenzhen time)	
13:00 - On-going	Registration of participants
13:30 - 14:30	Official opening ceremony
	Efstathios Andreou , Consul General of the Kingdom of the Netherlands in Guangzhou
	CHAN Yaodong , Deputy Secretary-General, Shenzhen Municipal People's Government
	Vassilios Demetriades , Former Shipping Deputy Minister to the President of the Republic of Cyprus
	Vebjørn Dysvik , Ambassador of the Kingdom of Norway to China Evgenios Kalpyris , Ambassador of Greece to China
	LV Bin, President of China Oceanic Development Foundation
	WANG Hou, Founder, Executive Director, and Secretary-General of the World Laureates Association
	YANG Hong, President of Global Ocean Capital Promotion Council of Shenzhen
14:30 - 14:40	<u>Special address</u>





	 What role and place for the Blue economy in the global economy? By: Thomas Sargent, 2011 Nobel Prize in Economics & W.R. Berkley Professor of Economics and Business at New York University
14:40 - 15:50 Plenary 1	What growth potential for the blue economy - and China's part of it- by the 2030 horizon? The ocean economy is today estimated to be worth 3 to 6 trillion US dollars and is expected to keep expanding as the potential of oceans'
	resources keeps expanding when it comes to blue food, offshore renewable energy, Blue biotech or the many different ways in which the restoration of the oceans' ecosystems can contribute to the fight against climate change. However, ensuring the sustainability of the oceans resources is at the same time a key prerequisite and an absolute priority if the blue economy is to realize its full potential as an ever more important source of prosperity and social development.
	 What factors will be most impactful in the coming years in driving the expansion of the blue economy? What sectors of the blue economy are expected to have the greatest growth potential by 2030? What fa sustainable long-term growth of the marine economy will require from governments, from corporations, from the academic community and the public at large? What is the picture with respect to the growth potential of China's blue economy compared to the overall expansion of the global blue economy over the next seven or ten years? What next initiatives for Shenzhen to play an even bigger role for China's marine economy expansion and global marine hub in the coming years?
	<u>Speakers:</u> DUAN Xiaofeng, Director of the Marine Economy Research Department, National Marine Data and Information Service (NMDIS), People's Republic of China Sylvain Fourrière, Consul General of France in Guangzhou Erik W. Jakobsen, Partner and Chairman, Menon Economics, Norway (online)





	 PAN Xinchun, Vice President and Secretary-General of China Oceanic Development Foundation, People's Republic of China Klaus Zenkel, Vice President of the European Union Chamber of Commerce in China and Chair of the European Chamber South China Chapter ZHANG Zhanhai, Chairman of China Ocean Mineral Resources Research and Development Association, People's Republic of China Moderated by: WANG Feng, Editor in Chief, FTChinese.com
16:00 - 17:10 Plenary 2	Moving faster on restoring the marine ecosystems and ensuring their long-term sustainability
	The oceans ecosystems absorb 25% of the world CO2 emissions. They also absorb close to 90% of the additional heat generated from CO2 emissions generated by human activities. However, only 7% of the global ocean is currently protected at different degrees. The restoration of marine ecosystems and their long-term sustainability are nevertheless of critical importance not only to revitalize the world's oceans and ensure that they provide increasingly needed resources of all kinds but also in helping to fight climate change.
	 ✓ Mobilizing the required financial resources for the restoration of Blue ecosystems ✓ Expanding the crucial role of Coastal wetlands and mangrove forests in carbon sequestration ✓ Leveraging the potential of Artificial Intelligence, the Internet of Things (IoT), robotics, and data analytics to accelerate the restoration of marine ecosystems. ✓ What is needed to accelerate the restoration of oceans ecosystems in the Guangdong-Hong Kong-Macao Greater Bay Area?
	<u>Speakers:</u>
	 Kelly MAI, Executive Director for the Greater Bay Area, Urban Land Institute (ULI) Jürgen Pietsch, Founding Professor of Hamburg University of Technology and HafenCity University Hamburg, Germany WANG Jianli, Chairwoman of VisionBlue and recipient of the 2023 United Nations "Earth Guardian Award





Patrick Yeung, Associate Director, Climate Action Platform, AVPN - Asia
ZHANG Yimo, Director of the Sustainable Blue Economy, WWF Beijing
<u>Moderated by:</u> QIU Jiaqiu, Co-founder and Vice Chairman of Sino – European Center for Sustainability, Founder of Real Image Media
Improving the efficiency and increasing the scope of ocean governance
There is no underestimating the progress achieved in the last few years in expanding the scope of the global oceans governance, with the adoption of the global biodiversity framework, of the global ocean treaty contributing to secure the protection and effective management of the high seas, the global plastic pollution treaty, to mention some significant positive steps. However, the challenges in ensure the sustainability of the oceans ecosystems keep getting more acute and more urgent.
 ✓ What is needed to ensure the swift implementation by government and the private sector of the commitments made by the signatories of the existing treaties? ✓ Leveraging technologies for a more efficient global oceans governance ✓ How to expand China's contribution to a more efficient global oceans governance?
<u>Speakers:</u>
 Ashok Adiceam, Deputy Special Envoy of the President of the French Republic for the 3rd United Nations Conference on the Ocean Salman Al Farisi, Secretary General, the Indian Ocean Rim Association (IORA) Pierre Failler, UNESCO Chair in Ocean Governance & Professor of Economics, University of Portsmouth, United Kingdom (online) LIU Yulu, Research Fellow, Centre for International Law, National University of Singapore ZHOU Jinfeng, Fellow of the World Academy of Arts and Sciences, Vice Chairman and Secretary-General of China Biodiversity Conservation and Green Development Foundation and Executive Committee Member of the IUCN Marine Connectivity Working Group





	Moderated by:	
	Claude Smadja , President, Smadja & Smadja Strategic Advisory Switzerland, Senior Adviser of Global Ocean Capital Promotion Council of Shenzhen	
Friday 1 st November 2024 08:45 - 19:00 (Shenzhen time)		
08:15 - On-going	Registration of participants	
08:45 - 09:55 Plenary 4	Activating a network of global marine cities – including Shenzhen – for new innovation and business synergies	
	Global marine cities have a very important role to play in ensuring a sustainable, growing, blue economy. There is a lot of experience and knowledge to be shared among them for addressing common issues such as coastal cities waste management, tackling plastic pollution and promoting a circular blue economy, resilience to the impact of rising sea levels induced by climate change, etc.	
	 What mechanisms to connect think tanks and ocean-related academic institutions based in marine cities for knowledge sharing and joint-projects creation? How to use the annual international climate meetings (COP) to create a network of key marine cities, following up on the « Call to Action for Subnational Governments" which will be launched at the COP16 in Cali? 	
	Speakers: HU Zhenyu , Deputy Director of the Qianhai Institute, China (Shenzhen) Development Institute and Director of the Institute of Sustainable Development and Marine Economy, People's Republic of China Thomas Kowitzki , Vice President, Global Head of China Rail, DHL Global Forwarding, Germany Edward LIU , Principal Representative of the International Chamber of Shipping (China) Liaison Office in Hong Kong Fabien Pacory , Executive Vice President, CCI France Chine	





	Clara R. Solé, Internationalization & Science Diplomacy, Institute of
	Marine Sciences (ICM-CSIC) & member of the UN Ocean Cities
	coordination group, Spain (online)
	Moderated by:
	Chris Pereira Founder and CEO of iMpact
10:05 - 11:05	Corporate and policy Initiatives to accelerate the
Plenary 5	decarbonization of maritime industry
	The last few years have seen a decisive shift towards the greening of the
	shipping and logistics industry. Decarbonization has now become a
	guiding, urgent, priority for the world's shipping companies, ports and
	logistics operators. With the shipping contributing to about 3% of total
	greenhouse gas emissions and the whole maritime industry accounts for
	about 17% of global CO2 emissions, accelerating the decarbonization
	process to help achieve the 2050 zero emission goal, is a major goal and
	challenge for every player in the maritime industry. And the coming into
	force on January 2024 of EU's Emissions Trading System (ETS) is increasing
	the pressure for decarbonization.
	\checkmark Dealing with the challenges involved in relying on new fuel
	ontions such as biofuels methanol and ammonia
	✓ Will Financing ontions expand enough to help operators sustain
	the costs of an accelerated decarbonization process?
	\checkmark What will be the transformative impact of decarbonization on the
	shipping and maritime industry as a whole?
	\checkmark How are legislation and policies on shipping decarbonization
	nromulgated by China working at the national and local levels?
	What actions taken? What issues to be addressed?
	Speakers:
	Akanksha Batura Dai Executive Director Sinoda Shinning Agency Pto Ltd
	Vice-Chairnerson International Committee of Singapore Shinning
	Association JIN International Maritime Organization (IMO) Goodwill
	Maritime Ambassador
	CHEN Youxian Assistant President of CIMC Offshore Engineering Co. Ltd
	People's Republic of China
	Paul Karam Vice President of Greater China Operations American
	Bureau of Shinning (ABS)





	Jonny Nylund, Managing Director of the Wartsila Joint Ventures, Chairman of Finnish Chamber of Commerce in Shanghai, Finland's representative in EU Chamber of Commerce in China WANG Xiang, Regional Manager of China, Veson Nautical, USA ZOU Junshan, Chief Representative for China at the Port of Rotterdam Authority, The Netherlands <u>Moderated by:</u> Claude Smadja, President, Smadja & Smadja Strategic Advisory Switzerland, Senior Adviser of Global Ocean Capital Promotion Council of Shenzhen
11:15 - 12:25 Plenary 6	Developing and expanding the use of new financial instruments for marine activities
	The development of ocean finance is now of critical importance in ensuring the restoration and protection of the oceans ecosystems and for achieving a sustainable marine economy. There is today a huge gap between the resources available and the financing needs which need to be bridged. New forms of finance such as blue bonds and blue loans are now being used for an increasing number of projects. There are still a number of issues constraining the full development of blue finance such as regulatory uncertainties, a higher risk profile associated with many ocean-related projects.
	 ✓ What is needed to direct more private capital flows towards Blue finance? ✓ What approach to risk mitigation in Blue finance? ✓ What new approaches to insurance, as risk manager and institutional investor, are needed to support the development of Blue finance?
	<u>Speakers:</u>
	 Ramnath Iyer, Research Lead for Sustainable Finance, Asia, Institute for Energy Economics and Financial Analysis (IEEFA) Peter Ling-Vannerus, Chairman of the Swedish Chamber of Commerce in China, State Representative in the Executive Committee of the European Union Chamber of Commerce in China, Chief Representative, Skandinaviska Enskilda Banken AB (publ) Beijing NI Ying, Deputy General Manager of the Qianhai CSSC Smart Ocean





	 SUN Hao, Senior Investment Officer, Team Leader, Department of Infrastructure and Natural Resources, International Finance Corporation XIAO Geng, Chairman of the Hong Kong Institution for International Finance, Associate Dean of the School of Public Policy, The Chinese University of Hong Kong, Shenzhen ZHANG Jing, China Representative of the UK P&I Club, United Kingdom <u>Moderated by:</u> SHEN Gang, Deputy Secretary-General of the International Finance Forum (IFF)
12:25 - 13:25	Lunch break
13:25 - 14:25 Plenary 7	Promoting business initiatives and innovation for making of the oceans a major factor in fighting climate change
	Many ocean-related activities in which business has a crucial role to play, such as the development of offshore renewable energy, or marine carbon capture technologies, play a significant role in the fight against climate change. Corporate R&D to develop these kinds of initiatives is today encouraged by the potential for revenues created by carbon credits. Such initiatives and innovations also comprise the development of blue proteins to meet increasing demand for affordable food, or innovations in the coastal tourism industry to reduce significantly carbon emissions and water pollutants.
	 ✓ Creating China's legal framework for companies to develop seaweed cultivation for carbon removal. ✓ What role for Chinese companies in developing offshore carbon capture and storage projects? ✓ Developing the potential of ocean AI technology for as more efficient understanding of the interaction between climate change on ocean ecosystems.
	<u>Speakers:</u>
	Victor Brun, Science Lead, Ocean & Climate Platform, France Eyal Harel, CEO & Co-Founder, Blue Green Water Technologies, Israel Josef Gregory Mahoney, Professor at East China Normal University and Senior Research Fellow at the Hainan CGE Peace Development Foundation Niels Fielsøe Petersen, General Manager of Grundfos China, Denmark





	Sarath Prasannan, Senior Vice President, Head of Region Asia Pacific,
	MAN Energy Solutions, Germany
	XIAO Mengzhu, Programme Officer – World Energy Transitions Outlook, Innovation and Technology Center, International Renewable Energy Agency
	Moderated by:
	Riona WU, Program Manager of Sustainable Blue Economy, WWF China
14:35 - 15:45 Plenary 8	The Future of Blue science: Developing the research on the oceans' ecosystems
	We still know relatively little about our ocean systems. For instance, as of June 2024 only 26.1% of the world's seafloor has been mapped with modern technology and over 80% of Earth's ocean remains unexplored. The Ocean scientific community is warning that the deterioration of the oceans ecosystems is developing faster than our knowledge of these ecosystems. The 2021-2030 period has been declared the UN Decade of Ocean Science for Sustainable Development to stimulate the development of the oceans-related sciences and knowledge generation.
	 ✓ What partnerships will best contribute to accelerate advances in ocean science and to expand our understanding of the ocean systems? ✓ What can be the contribution of Blue economy-related corporations and startups in advancing the science and understanding of the oceans ? ✓ How is the science of the oceans progressing in China? How does it compare with the state of research at the international level? Are there ways to accelerate progress in this domain?
	<u>Speakers:</u>
	 DAI Minhan, Marine Chemist, Academician of the Chinese Academy of Sciences, Chair Professor of Xiamen University, People's Republic of China GAN Jianping, Head & Chair Professor of the Department of Ocean Science, Hong Kong University of Science and Technology (HKUST) HAN Xiqiu, Researcher at the Second Institute of Oceanography, Ministry of Natural Resources, and First Female Chief Scientist of China's Deep-Sea Expeditions, People's Republic of China





	 Vidar Helgesen, Executive Secretary of the Intergovernmental Oceanographic Commission of UNESCO (online) SHI Qiong, Distinguished Professor at Shenzhen University, Director of the Shenzhen BGI Marine Research Institute, Foreign Academician of the Russian Academy of Sciences <u>Moderated by:</u> NAN Haifen, Vice Chairwoman of the German-Chinese Media Network, Senior Media Professional
15:55 - 17:05 Plenary 9	Where is marine technology innovation going? What implications for the Blue economy?
	Whether it is applications of AI technology, IoT capabilities, the leveraging of Big Data, the use of ever more sophisticated drones or 3D mapping, the leveraging of these new technologies in the whole scope of blue economic activities will increasingly impact the way the Blue economy develops in the coming year. For instance, the increasing use of robotics and of Virtual and Augmented Reality technologies is expected to have a game-changing impact for the shipbuilding industry. Similarly, Blue Biotechnology is expected to considerably improve the sustainable management and protection of oceans, fisheries, and coastal and marine ecosystems.
	 What initiatives to address some specific challenges in leveraging blue-economy-related innovations, such as conditions of the research environment, long development timelines due to the complexity of ocean-related technologies, insufficient access to capital etc.? How to promote the creation of more "Made in China" Marine technology innovation? What actions to enhance the contribution of Blue economy startups?
	<u>Speakers:</u>
	 Nikos Markakis, General Manager, Jotun COSCO Marine Coatings (Hong Kong) Co., Ltd. PENG Wei, Director of National Ocean Technology Center QI Xiaofei, Depute Dean of School of Management, Qilu University of Technology (Shandong Academy of Sciences), People's Republic of China





	 WU Yufei, Professor at the College of Civil and Transportation Engineering, Shenzhen University, People's Republic of China ZHAO Weldon, Chief Technology Officer for Dassault Systèmes Greater China, France <u>Moderated by:</u> Jet CHANG, Vice President, Public Affairs Asia TOMRA Group, National Vice Chair of the Environmental Working Group of European Chamber of Commerce in the China (EUCCC)
17:15 - 18:25 Plenary 10	Mapping the future of marine engineering industries
	 Marine engineering industries are crucial to a wide variety of domains of the ocean economy, from working on shipbuilding and maintenance to building offshore platforms, from high-tech devices to increase navigation accuracy to prevention of oil spills. The whole sector of marine engineering is now going through transformative technological innovations and digitization that will make it more efficient, more reliable and a greater contributor to a sustainable high-growth ocean economy. Just a few months ago, several Chinese SOEs, universities and private companies have set up a marine engineering innovation consortium to foster scientific breakthroughs and help accelerate the development of the fast-growing marine industry. ✓ What assets can key players in China's marine engineering industries leverage to be part of the global leadership group in this sector? ✓ How will emerging technologies such as DataOps, digital twins, and Al transform the whole marine engineering industries sector? ✓ Addressing the financing and the skills availability challenges for the transformation of the marine engineering industries
	<u>Speakers:</u> DUAN Menglan, Deputy Dean of the Institute of Ocean Engineering at
	Tsinghua University Shenzhen International Graduate School, People's Republic of China
	GUO Jian, Country Manager, Norwegian Energy Partners China SHEN Qin, Chairman of Shanghai Aotuo Deepwater Equipment
	Technology Development Co., Ltd., People's Republic of China Andy TANG, Deputy General Manager of Huisman (China) Co., Ltd, The Netherlands





	XIE Peng , Vice Dean, School of Ocean Engineering, Sun Yat-sen University, People's Republic of China
	Moderated by:
	Zhou Hua , Partner of Dacheng Law Offices (Beijing), Expert Consultant in Marine Industry Investment and Financing
18:25 - 18:30	Concluding remarks: What we take home
	Claude Smadja , President, Smadja & Smadja Strategic Advisory Switzerland, Senior Adviser of Global Ocean Capital Promotion Council of Shenzhen