

The Shenzhen Global Marine Economy Forum 2023

Hosted by
China Oceanic Development Foundation
Global Ocean Capital Promotion Council of Shenzhen
Shenzhen SEZ Construction and Development Group Co. Ltd.
Organized by Shenzhen CMEE Co., Ltd
Produced and managed by Smadja & Smadja Strategic Advisory Switzerland

Sheraton Shenzhen Futian Hotel, 23-24 November 2023

“Expanding The Blue Economy Potential”

Public program as of 22 November 2023

Names listed by alphabetical order

Thursday 23 November 2023 14:00 - 18:30 Shenzhen time	
13:00 - On-going	Registration of participants
13:30 - 14:30	Official opening ceremony <ul style="list-style-type: none">• Efstathios Andreou, Consul General of the Kingdom of the Netherlands in Guangzhou - <i>in person</i>• Thórir Ibsen, Ambassador of Iceland to China with accreditation to Mongolia, Vietnam and Thailand - <i>in person</i>• Evgenios Kalpyris, Ambassador of Greece to China - <i>in person</i>• Rena Lee, Ambassador for International Law, Singapore – <i>online</i>• LV Bin, President of China Oceanic Development Foundation, People’s Republic of China - <i>in person</i>• YANG Hong, President of Global Ocean Capital Promotion Council of Shenzhen, People’s Republic of China - <i>in person</i>
14:30 - 15:40 Plenary 1	China’s marine economy by 2030

The session will identify the trends and factors that will drive the country's marine economy accelerated growth, setting the overall picture in comparison to the world marine economy evolution and focusing more specifically on sectors such as offshore renewable energy, shipping, fisheries, and blue food.

- ✓ What factors will be most impactful in driving the evolution of the global marine economy in the coming years?
- ✓ How will disruptive technologies contribute in scaling up the different sectors of the blue economy?
- ✓ What sectors of China's blue economy are expected to have the greatest growth potential by 2030?
- ✓ What forecast about the increasing role that the blue economy will play on China's overall economic growth over the next seven or ten years?

Opening Keynote speech:

- **Signe Brudeset**, Ambassador of the Kingdom of Norway to the People's Republic of China - *in person*

Speakers:

- **CHI Fulin**, President of China (Hainan) Reform and Development Research Institute, People's Republic of China - *in person*
- **PAN Xinchun**, Vice President and Secretary-General of China Oceanic Development Foundation, People's Republic of China - *in person*
- **Klaus Zenkel**, Vice President of the European Chamber and Chair of the South China Chapter - *in person*
- **ZHOU Jinfeng**, Vice Chairman and Secretary-General of China Biodiversity Conservation and Green Development Foundation, Fellow of the World Academy of Arts and Sciences, and Executive Committee Member of the IUCN Marine Connectivity Working Group - *in person*

Moderator:

- **Guo Jian**, Country Manager, Norwegian Energy Partners China – *in person*

<p>15:40 – 15:50</p>	<p><i>Release of 2023 China Ocean Economic Development Index</i></p> <p>Released By:</p> <ul style="list-style-type: none"> • SHI Suixiang, Director of National Marine Data and Information Service, People’s Republic of China
<p>16:00 - 17:10 Plenary 2</p>	<p><i>Shenzhen as a Global Marine Capital</i></p> <p>Shenzhen benefits potentially from all the key assets to be positioned as a Global Marine Capital, whether it is its port which is the fourth-largest port in the world, its shipping and marine companies, the fact that it is a top high-tech center and home to a vibrant high-tech startup ecosystem, or the cluster of ocean-related academic institutions it is developing.</p> <ul style="list-style-type: none"> ✓ What next steps should be undertaken to strengthen each of the assets that will fully establish Shenzhen as a Global Marine Center? ✓ How should Shenzhen create the narrative and convey the message at the international level to highlight and promote its objectives? ✓ What kind of international network and synergies should be created to accelerate the recognition of Shenzhen as a Global Marine Capital? <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • CHEN Weijie, Honorary President of Shenzhen Offshore Oil Service Enterprises Association, Expert of Consulting Center of China National Offshore Oil Corporation, Senior Advisor of Global Ocean Capital Promotion Council of Shenzhen, People’s Republic of China - <i>in person</i> • Erik W. Jakobsen, Partner and Chairman, Menon Economics, Norway -<i>online</i> • Claude Smadja, Chairman, Smadja & Smadja Strategic Advisory, Switzerland - <i>in person</i> • YU Ya, Senior Advisor of Global Ocean Capital Promotion Council of Shenzhen, People’s Republic of China - <i>in person</i> • ZHANG Chunyu, Researcher of the Chinese Academy of Social Sciences, member of the Expert Advisory Committee of Shenzhen City Master Plan (2016-2035), Proponent of the concept of "Global Ocean Central City", People’s Republic of China - <i>in person</i>

	<p><u>Moderator:</u></p> <ul style="list-style-type: none"> • WANG Feng, Chief Editor of Financial Times Chinese, People’s Republic of China - <i>in person</i>
<p>17:20 - 18:30 Plenary 3</p>	<p><i>Expanding the role of ocean in energy transition</i></p> <p>From offshore wind to tidal, wave, thermal, and floating solar, the ocean offers a variety of renewable energy sources. Research and development in offshore energy technologies have accelerated rapidly as companies, utilities and governments prepare to meet targets for the de-carbonization of the global economy. Nevertheless, a wide variety of opportunities for alternative energy sources remains mostly untapped. Global collaboration and sharing of scientific ocean data are critical to using ocean resources effectively and sustainably.</p> <ul style="list-style-type: none"> ✓ China is already the world’s Number One country in adding new offshore wind capacity. Is there room to expand even more the role of offshore wind energy to accelerate the energy transition? ✓ China is second globally for installed tidal stream generation, and accelerating projects in the Tidal Stream and Wave energy domain. What are the prospects for the development of this source of renewable energy by 2030? ✓ What needs to be done to address the issues of policy support for ocean energy, funding, high construction and generation costs? <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Peter M. Haugan, Professor, Institute of Marine Research, Norway - <i>in person</i> • Jason HU, Senior Investment Officer, Invest in Denmark - <i>in person</i> • Shane McArdle, Chief Executive Officer, Kongsberg Digital, Norway - <i>online</i> • Peter Thompson, Director and East Asia Energy Business Leader, Arup, United Kingdom - <i>in person</i> • Peng Wei, Director of National Ocean Technology Center, People’s Republic of China - <i>in person</i> <p><u>Moderator:</u></p>

	<ul style="list-style-type: none"> • Guo Jian, Country Manager, Norwegian Energy Partners China - <i>in person</i>
<p>Friday 24 November 2023 08:45 - 19:00 Shenzhen time</p>	
08:15 - On-going	Registration of participants
08:45 - 09:55 Plenary 4	<p>Fast forward to green shipping and logistics</p> <p>The International Maritime Organization (IMO) new set of rules aims to reduce shipping carbon emissions by 40% by 2023 and 70% by 2050, compared to 2008 levels. The pressure to reduce the cargo industry environmental impact is putting significant pressure on all shipping and logistics companies to accelerate their drive towards green shipping. Alternatives to high carbon fuels are being developed such as methanol, green ammonia and hydrogen fuels as well as solar, wind and nuclear power with some of these new energy sources being already utilized.</p> <ul style="list-style-type: none"> ✓ Where does China shipping and logistics industry stand in terms of development and use of alternative fuels? What progress with the ‘Sustainable Shipping Innovation and Development Initiative’ (SSIDI) launched in November 2022 by China Classification Society and Chinese marine industry companies? ✓ Would the adoption of a carbon emissions trading system for the shipping industry, as the EU is planning to do in 2024 help accelerate the decarbonization of the shipping and logistics sector? What lessons from the Shanghai experiment in that domain? ✓ Financing the transition to green shipping and logistics <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Simon Bennett, Sustainability Advisor, Swire Shipping Limited; General Manager, Sustainable Development, China Navigation Company, Singapore - <i>in person</i> • Christopher D. Chatterton, Chief Operating Officer, Methanol Institute (MI), Singapore - <i>in person</i>

	<ul style="list-style-type: none"> • Karim Fahssis, Head of Decarbonization, A.P. Moller – Maersk, The Netherlands - <i>in person</i> • LI Yanqing, Secretary General of China Association of National Shipbuilding Industry, People’s Republic of China - <i>in person</i> • REN Weimin, Director of Transport Division, UN Economic and Social Commission for Asia and the Pacific (ESCAP) - <i>in person</i> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • HAN Ning, Director of Drewry China, (HQ UK), People’s Republic of China - <i>in person</i>
<p>10:05 - 11:05 Plenary 5</p>	<p><i>What a sustainable ocean economy means for business</i></p> <p>Disruptive technologies are transforming the marine economy – from advanced materials and biotech to underwater robotics, autonomous ports and data analytics. Scientists, entrepreneurs, companies, and national governments are seeking innovative approaches to optimize the development of every sector of the ocean economy. Those that take initiative and act early will benefit from pioneering opportunities as well as the chance to unlock value from this multi-trillion-dollar resource.</p> <ul style="list-style-type: none"> ✓ How can corporations integrate in their day-to-day operations and their culture the priority of promoting a sustainable ocean ecosystem? ✓ What businesses should do to shift consumers’ demand and expectations towards sustainably sourced ocean-related products and services? ✓ What partnerships can be built between ocean-related companies and governments to achieve the three goals of sustainability, profitability, and benefits to the community? <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Jet CHANG, Vice President of Circular Economy Business of TOMRA Group, Vice Chairman of the Environmental Working Group of China Chamber of Commerce in the EU, Norway - <i>in person</i> • Dai Minhan, Academician of CAS Member, professor of Xiamen University, professor of Fujian Institute of Marine Sustainable Development, People’s Republic of China - <i>online</i>

	<ul style="list-style-type: none"> • Terry Gao, Commercial Director, Veson Nautical Asia, Singapore - <i>in person</i> • Auvo Kaikkonen, Head Regional Representation to China and Mongolia, European Investment Bank - <i>in person</i> • David ZHAI, Chairman of Oceantech Marine Engineering (Shenzhen) Co., Ltd, People’s Republic of China - <i>in person</i> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • MA Zhenmin, Editor-in-Chief of NewMedia, Harvard Business Review China, Initiator of New Growth School, People’s Republic of China - <i>in person</i>
<p>11:15 - 12:25 Plenary 6</p>	<p><i>Developing the Blue Food business</i></p> <p>The development of Blue food is a major element in ensuring the food security of a country like China but also several ocean countries in the world. Marine farming, sea-ranching, fishery seed industry development, plant seed breeding, and deep-sea aquaculture are components of the blue food sector where growth and business opportunities are quite significant.</p> <ul style="list-style-type: none"> ✓ What policies to ensure the appropriate financing of the Blue Food industry expansion? ✓ Leveraging new technologies to accelerate the development of the Blue Food sector in a sustainable way ✓ Increasing the role of blue foods companies in the strategy to build a more diverse and resilient food system <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Thórir Ibsen, Ambassador of Iceland to China with accreditation to Mongolia, Vietnam and Thailand - <i>in person</i> • Rachelle Jensen, CEO, Luminis Water Technologies, Singapore - <i>online</i> • Shrikumar Suryanarayan, Chairman & Managing Director, Sea6 Energy, India – <i>online</i> • WANG Songlin, Founder and President, Qingdao Marine Conservation Society, Members of Friends of Ocean Action, People’s Republic of China - <i>in person</i>

	<ul style="list-style-type: none"> • Yan Xiaojun, Academician of the International Eurasian Academy of Sciences and Secretary of the Party Committee of Zhejiang Ocean University, People’s Republic of China - <i>in person</i> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • QIU Jiangqiu, Editor of “Real Image Collection” of VICE, Member of the Global Environmental Reporting Alliance and Founder of Real Media, People’s Republic of China - <i>in person</i>
12:25 - 13:25	Lunch break
13:25 - 14:25 Plenary 7	<p>Transformative ocean startups</p> <p>With their innovative and entrepreneurial mindset startups founders can have a real impact accelerating progress not only towards new marine economy technologies and businesses but also towards revived, sustainable, ocean environment contributing to the fight against climate change.</p> <ul style="list-style-type: none"> ✓ What actions and policies to develop an efficient, dynamic, ocean-focused startup ecosystem? ✓ How to build efficient, synergetic innovation partnerships between ocean-focused startups and established companies in this sector? ✓ What role for ocean-focused academic institutions in nurturing ocean-tech startups? <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Utkarsh Goel, Co-founder & CTO, Clearbot, Honk Kong - <i>online</i> • Shaun Hon, Founder & General Partner, Motion Ventures, Singapore - <i>in person</i> • Nikolas Pyrgiotis, VP of Technology Ventures, The Signal Group, Greece –<i>in person</i> • QIU Bohua, Chairman and General Manager of Zhendui Industrial Intelligent Technology Co. Ltd, People’s Republic of China – <i>in person</i> • Wen Jiangtao, Founder of Reshaper, IEEE Fellow, Former Professor at Tsinghua University, People’s Republic of China - <i>in person</i>

	<p><u>Moderator:</u></p> <ul style="list-style-type: none"> • Claude Smadja, Chairman, Smadja & Smadja Strategic Advisory, Switzerland - <i>in person</i>
<p>14:35 - 15:45 Plenary 8</p>	<p><i>Blue Finance: Unlocking investment for a sustainable ocean economy</i></p> <p>China’s extensive coastline and marine resources position it as a key market for “blue finance” projects, balancing economic growth and environmental protection. The sustainable Blue Economy Investment Forum at the UN Ocean Conference landed commitments worth billions of dollars from the public, private and philanthropic sectors on Blue bonds and blue loans that earmark funds exclusively for ocean-friendly projects and protecting critical clean water resources. The Bank of China has issues Asia’s first Blue Bonds, and the Asian Development Bank has launched the world’s first Blue Bond Incubator to support ocean-related projects in Asia and the Pacific. However, there is still a huge gap in funding sustainable ocean projects. How to address the obstacles such as higher financial risks and weakness of knowledge and data, to more investment in a sustainable ocean economy?</p> <ul style="list-style-type: none"> ✓ What is needed at the government and private companies levels to increase China’s investment in its blue economy? ✓ How to promote foreign investment in China’s ocean economy? <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Xin Dai, Chief Economist China, Swiss Re Institute, HQ Switzerland – <i>in person</i> • Marisa Drew, Chief Sustainability Officer, Standard Chartered, United Kingdom – <i>online</i> • Qi Kai, Executive General Manager, ICBC Leasing Marine Finance Department Institute, People’s Republic of China – <i>in person</i> • ZHOU Hua, Partner at Beijing Dacheng Law Offices, LLP, Expert Consultant on Marine Industry Investment, People’s Republic of China - <i>in person</i> <p><u>Moderator:</u></p>

	<ul style="list-style-type: none"> • Wu Chen, Chief Editor of The Economist Global Business Review, People’s Republic of China – <i>in person</i>
<p>15:55 - 17:05 Plenary 9</p>	<p><i>Ocean governance, what next?</i></p> <p>A number of positive developments in the domain of global ocean governance have been registered in the last period, such as the agreement at the UN to start negotiating a new global treaty to end plastic pollution, The WTO agreement on fisheries subsidies ; the WTO Agreement prohibiting harmful fisheries subsidies, marking a major progress for ocean sustainability; the “Treaty of the High Seas”, an international agreement on the conservation and sustainable use of marine biological diversity of areas beyond national jurisdiction. China needs now to take an even more active role in shaping and expanding the global ocean governance architecture and could play a leading role in launching some initiatives to strengthen and expand global ocean governance.</p> <ul style="list-style-type: none"> ✓ Where do we stand in moving ahead with all the measures and initiatives on global ocean governance announced since the middle of 2022? ✓ What priorities should China push for now, in terms of the next steps to expand the global ocean governance framework? ✓ Identifying some global economic and communication initiatives needed to build trust and cooperation <p><u>Keynote speech:</u></p> <ul style="list-style-type: none"> • Cecilie Myrseth, Norwegian Minister of Fisheries and Ocean Policy - <i>online</i> <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Angela Paolini Ellard, Deputy Director-General, World Trade Organization – <i>online</i> • RAN Ruixue, Partner, Covington & Burling, USA - <i>in person</i> • SU Jilan, Academician of the Chinese Academy of Sciences, Chairman of the Intergovernmental Oceanographic Commission (IOC), 1999-2003, People’s Republic of China - <i>in person</i> • WANG Yiwei, Jean Monnet Chair Professor, Director of the Institute of International Affairs and Director of the Center for EU

	<p>Studies at Renmin University of China, People’s Republic of China - <i>in person</i></p> <ul style="list-style-type: none"> • ZHANG Haiwen, Director of the Institute of Marine Development Strategy, Ministry of Natural Resources, People’s Republic of China - <i>in person</i> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • Wu Chen, Chief Editor of The Economist Global Business Review, People’s Republic of China – <i>in person</i>
<p>17:15 - 18:25 Plenary 10</p>	<p><i>Blue Carbon: Fighting climate change and leveraging business opportunities</i></p> <p>Because of its capacity for carbon dioxide removal Blue carbon – and especially Deep Blue Carbon - is increasingly recognized as a major tool for tackling the three crucial challenges of fighting climate change and pollution, and reversing the accelerated degradation of biodiversity. Coastal wetlands, mangroves, seagrass, seaweeds and tidal marshes have a tremendous capability to « absorb » carbon emissions. However, this capacity has been utilized in a very limited way so far.</p> <ul style="list-style-type: none"> • How to bring business and governments together to make of blue carbon development a new business opportunity that will incentivize investment in that domain? • Is the creation of a blue carbon credit market an effective approach for accelerating the development of blue – and deep blue – carbon? <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • David M. Baker, Associate Professor, Area for Ecology & Biodiversity, School of Biological Sciences and The Swire Institute of Marine Science, Hong Kong - <i>in person</i> • Chai Qimin, Director of the Strategic Planning Department of the National Climate Strategy Center, People’s Republic of China – <i>online</i> • Sam LI, Associate Professor, Shenzhen International Graduate School, Tsinghua University, People’s Republic of China - <i>in person</i> • YU Fujiang, Director of National Marine Environmental Forecasting Center, People’s Republic of China - <i>in person</i>

	<p><u>Moderator:</u></p> <ul style="list-style-type: none">• Claude Smadja, Chairman, Smadja & Smadja Strategic Advisory, Switzerland - <i>in person</i>
18:25 - 18:30	<p><i>Concluding remarks: What we take home</i></p>