

SUSTAINABLE
OCEAN
SUMMIT

INVESTING IN OCEAN FUTURES:
Finance and Innovation for the Blue Economy

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OCEAN INVESTMENT AND INNOVATION: Plenaries, Parallels, Workshops, Roundtables

Institutional Investors and the Blue Economy: Ocean Opportunities for Pension Funds and Sovereign Wealth Funds

Framing questions

- Which ocean industry sectors or emerging ocean issues are most relevant to institutional investors?
- Are institutional investors engaging in Blue Economy opportunities?
- What can be done to accelerate and scale up institutional investor interest in the ocean economy?

Corporate Investment in Ocean Sustainable Development Solutions

Framing questions

- Are major ocean industry operators investing directly in innovation for sustainable development?
- If so, what approaches are being used to identify and curate the priority issues and the candidates for investment?
- How best to replicate and scale up successful corporate investment in sustainable development solutions?

Impact Investment, Blended Finance and the Blue Economy

Framing questions

- What is the role of “Impact Investing” in addressing the complex, long term, global challenges of ocean sustainable development?
- Is “Blended Finance” necessary to ensure that investment in the Blue Economy can achieve the temporal and spatial scale needed to tackle these issues?
- How can impact investors best engage and partner with the other components of the investment community to develop blended finance arrangements for ocean sustainable development?

Philanthropic Investment and the Blue Economy

Framing questions

- Is there a role for philanthropic foundations to address ocean issues and impacts by investing in private sector solutions?
- What has been the experience to date with philanthropic foundations engaging directly with the private sector on ocean sustainable development, biodiversity conservation, supporting sustainable fisheries, reducing illegal fishing, etc.?
- How can the Ocean Business Community and philanthropic foundations prioritize and optimize the role of philanthropy in supporting “Corporate Ocean Responsibility”?

Family Offices and Financing for Ocean Health and Sustainability

Framing questions

- Are Family Offices familiar with the Blue Economy and the role of the Ocean Business Community in addressing the impacts to ocean ecosystems, biodiversity, etc. and supporting sustainable development?
- How can the Ocean Business Community and Family Offices prioritize and optimize the role of the latter in advancing company efforts in “Corporate Ocean Responsibility”?
- Are there opportunities for coordination and synergies among Family Offices in order to achieve greater scale in financing efforts to address ocean health and sustainability?

Sustainable Blue Economy Finance Principles

Framing questions

- What are the “Sustainable Blue Economy Finance Principles”?
- Who is involved in developing and supporting the “Sustainable Blue Economy Finance Principles”?
- How can the uptake and implementation of these principles by the ocean business and investment community be accelerated and expanded?

Offshore Energy: Oil and Gas Industry Role in Advancing Offshore Renewables

Framing questions

- How is the offshore oil and gas industry becoming the offshore energy industry and supporting the development of offshore renewable energy?
- How can the offshore energy industry best accelerate the transition to offshore renewable energy, e.g. through investment, technology transfer, expertise, etc.?
- What are the scenarios for a more integrated portfolio of ocean-based energy sources in the future?

Blue Economy Blockchain:

Linking Around the World and Across the Sectors for Ocean Sustainable Development

Framing questions

- Which ocean business sectors have been the focus of efforts to apply blockchain?
- What is the progress in developing blockchain in these sectors and what have been the challenges?
- Are there opportunities to develop synergies among the ocean sectors which are working to implement blockchain?

Global Blue Economy Innovation Network: Accelerators, Incubators and Challenge Competitions for Ocean Sustainable Development

Framing questions

- Who makes up the growing ocean innovation “ecosystem”, i.e. the accelerators, incubators, challenge competitions, etc. working to address the challenges of ocean sustainable development?
- How can this rapidly developing Blue Economy innovation “ecosystem” best connect and collaborate to optimize addressing ocean sustainable development challenges?
- How can the Ocean Business Community best engage with the innovation “ecosystem” to develop, deliver and implement solutions in support of “Corporate Ocean Responsibility”?

PLENARY SESSIONS

Ocean Executive Forum: The Signature SOS Multi-Sector Panel of CEOs

Framing questions

- What is the ocean industry CEO perspective on ocean economic activity to 2030, especially in relation to ocean economy investment and innovation opportunities?
- What opportunities and risks do ocean industry CEOs think that these scenarios create for each sector, for the ocean economy and ocean business community overall, and for the ocean itself?
- How do ocean industry leaders view the Sustainable Development Goals (SDGs) in relation to projected ocean economic activity and future risks and opportunities?

Women in Ocean Industries: Leadership and Sustainable Development

Framing questions

- How well is women’s leadership in the Ocean Business Community advancing, and what must be done to improve this?
- How does this relate specifically to ocean sustainable development and the Blue Economy?
- What are the challenges and opportunities for better advancing leadership by women in the Ocean Business Community, especially regarding sustainable development?

The Digital Ocean, Big Ocean Data and the Ocean Cloud

Framing questions

- What are the status, trends and forecasts for the development of the Digital Ocean, Big Ocean Data and the use of Cloud Computing for ocean sustainable development?
- What are the benefits (economic, sustainability, operational oceanography, maritime security, etc.) from a Digital Ocean that produces Big Ocean Data and harnesses Cloud Computing in support of Agenda 2030, and what are the challenges to achieving these benefits?
- What are the opportunities for better industry leadership and collaboration in advancing the Digital Ocean, Big Ocean Data and Cloud Computing for the Blue Economy?

The Navy and Maritime Industries: Exploring Synergies in Ocean Sustainable Development, Science and Stewardship

Framing questions

- What issues in ocean sustainable development does the Navy share with the commercial ocean industries?
- What are the opportunities for developing synergies between the Navy and ocean industries in tackling these issues?
- How can the Navy and Ocean Business Community best develop and implement collaborative activities on specific areas of mutual interest?

Blue Economy Business Projections: Ocean 2030 (covering ocean transportation, energy, food, tourism and minerals)

Framing questions

- What is the future of industry activity in key ocean economic sectors, and what investment and innovation opportunities will this generate?
- What are the key trends, geographies, assumptions, opportunities and constraints for each sector through to 2030, the time frame of the U.N. SDGs?
- What opportunities and risks do these scenarios create for each sector, for the ocean economy and ocean business community overall, and for the ocean itself?

Investing in People: Young Ocean Professionals, Sustainable Development and Jobs in the Blue Economy

Framing questions

- Where are the job and career opportunities for Young Ocean Professionals in the Blue Economy?
- In the investment community, in traditional ocean industries, in start ups?
- Are companies looking for people with an interest and experience in sustainable development? If yes, what are they looking for?

PARALLEL SESSIONS/WORKSHOPS

OCEAN GOVERNANCE AND PLANNING

SDG 14.c *Ensure the full implementation of international law, as reflected in the United Nations Convention on the Law of the Sea for States parties thereto, including, where applicable, existing regional and international regimes for the conservation and sustainable use of oceans and their resources by their parties*

U.N. Law of the Sea: New Legally Binding Instrument on Biodiversity in Areas Beyond National Jurisdiction (BBNJ) and Ocean Industries

Framing questions

- How will the legally binding BBNJ agreement affect ocean industries when it is adopted in 2020?
- What are the risks to ocean industries for not participating in the negotiations or providing input to the treaty text as the BBNJ agreement is developed by countries?
- How can and should ocean industries engage with each other and with other ocean stakeholders, including governments, as the BBNJ agreement moves to its final negotiation in early 2020?

Multi-Use Platforms:

Ocean Use Synergies for Decommissioned Platforms and a New Era of Offshore Structures

Framing questions

- What are the options and opportunities for developing and investing in multi-sectoral use of offshore platforms?
- What has been the experience, and what are the possibilities, for using decommissioned oil and gas platforms for additional or other purposes?
- What are the prospects and challenges for designing and deploying new-build multi-use platforms offshore?

OCEAN AND CLIMATE

SDG 14.2 *By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans*

SDG 14.3 *Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels*

SDG 14.a *Increase scientific knowledge, develop research capacity and transfer marine technology*

Port Resiliency to Sea Level Rise and Extreme Events: Private Sector Collaboration to Advance Infrastructure Adaptation, especially for Small Islands and Developing Countries

Framing questions

- How can the ocean business and investment community best ensure that ports and essential coastal infrastructure are being adapted to ensure resiliency during extreme events, especially in small islands and developing countries?
- How can the Ocean Business Community best collaborate with other key stakeholders, e.g. multilateral/bilateral development assistance, national governments, science institutions, etc.?
- What is the best way to develop and implement a global, multi-stakeholder leadership alliance to ensure ports and coastal infrastructure worldwide are ready, resilient and able to minimize the impacts of extreme events on communities, businesses and economies?

Ocean NETs: Responsible Negative Emission Technologies (NETs) for CO2 Sequestration at Sea

Framing questions

- What are the requirements of the International Climate Agreement (Paris 2015) for negative emission technologies (NETs) to remove atmospheric CO2 to meet planetary safe limits for global temperatures?
- What is the state of information on the potential ocean-based NETs, what science is available on them and what are the risks and benefits of Ocean NETs?
- What is needed to advance careful, science-based consideration of Ocean NETs as a potentially viable, important means to address increasing atmospheric CO2, and what are the investment opportunities associated with this?

Arctic Sustainable Development and the Northern Sea Route

Framing questions

- What kinds, levels, locations and patterns of vessel traffic from all sectors is projected for the Arctic Northern Sea Route (NSR) through 2030, and what scenarios will affect this?
- How important will the NSR be to Arctic economic development?
- What are the environmental, business and investment risk and opportunities associated with maritime infrastructure development and increased vessel traffic along the NSR?

OCEAN KNOWLEDGE, RESEARCH AND TECHNOLOGY

SDG14.a *Increase scientific knowledge, develop research capacity and transfer marine technology*

U.N. Decade of Ocean Science and SMART Ocean-SMART Industries: Advancing Ocean and Climate Data Collection from Ships and Platforms

Framing questions

- What is the most effective way to coordinate between ocean scientists and ocean industry operators in order to engage industry in data collection and sharing in support of the U.N. Decade of Ocean Science?
- What are the investment opportunities linked to greater industry involvement in data collection and sharing, and how can these be developed?
- What are the priority locations, topics and technology to engage more ships and platforms of opportunity in collecting data?

Seabed 2030: Accelerating Ocean Industry Leadership on Global Seafloor Mapping

Framing questions

- What is Seabed 2030 and how is it important to the Ocean Business Community and sustainable development?
- How can ocean industry operators share existing bathymetric data to support improving seabed knowledge and mapping?
- What are the technologies, procedures and practices for collecting new bathymetric data that can contribute to Seabed 2030?

EU Collaborative Vision for a Sustainable Ocean: Investing in Ocean Data and Deliverables

Framing questions

- Under development

MARINE POLLUTION/IMPACTS

- SDG14.1** *By 2025, prevent and significantly reduce marine pollution of all kinds, including marine debris and nutrient pollution*
- SDG 14.2** *By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans*
- SDG14.a** *Increase scientific knowledge, develop research capacity and transfer marine technology*

Port Reception Facilities: Delivering Marine Debris Disposal Needs at a Global, Multi-Sectoral Scale

Framing questions

- What is needed to mobilize a global effort to ensure that adequate, economically viable port waste reception facilities are available worldwide, especially in developing country ports?
- What do port users (shipping, cruise tourism, oil and gas, fisheries, renewable energy, etc.) need to do to implement industry responsibilities and contribute to reducing plastics and other marine debris?
- What models, examples and best practices exist for port waste reception, and what innovative approaches can be taken?

The Circular Economy at Sea: Tackling the 20% by Addressing Plastics from Sea-borne Sources through Reduction, Recycle, Reuse

Framing questions

- How can the maritime industries accelerate efforts to reduce the estimated 20% of marine debris and plastics that is estimated to come from sea-borne sources?
- What are the innovations and technologies that will make this possible?
- What are the investment opportunities for addressing ship-borne pollution?

Biofouling, Invasive Species and the GEF-UNDP-IMO GloFouling Partnerships Project: Guidance, Standards and Regulators

Framing questions

- What is the GEF-UNDP-IMO GloFouling Partnerships Project?
- How is the issue of invasive aquatic species being addressed through guidance, standards and regulators that are affecting a range of ocean industry activities?
- What are the innovation needs and investment opportunities in relation to addressing the global, multi-industry challenge of biofouling and the introduction of invasive species?

Biofouling and Non-Shipping Sector Vectors: Addressing Fishing Boats, Recreation Craft, Marinas

Framing questions

- What is known about the spread of invasive aquatic species via non-shipping sector vectors, especially fishing boats, recreation craft, marinas?
- Do the emerging guidance, standards and regulator action adequately consider and address these pathways and, if not, what action is needed?
- What are the innovation needs and investment opportunities for tackling biofouling and the introduction of invasive species from non-shipping sectors?

Marine Sound: Advancing Science-Based Solutions to a Global, Multi-Industry Issue

Framing questions

- What is the status of our understanding of marine sound and its impacts on marine species and ecosystems?
- What risks and opportunities does the marine sound issue create for ocean industries?
- What are the solutions to the marine sound issue for ocean industries and the innovation and investment opportunities that these create?

FOOD SECURITY: SUSTAINABLE FISHING AND AQUACULTURE

SDG 14.4 *By 2020, effectively regulate harvesting and end overfishing, illegal, unreported and unregulated fishing and destructive fishing practices and implement science-based management plans*

SDG 14.6 *By 2020, prohibit certain forms of fisheries subsidies which contribute to overcapacity and overfishing, eliminate subsidies that contribute to illegal, unreported and unregulated fishing and refrain from introducing new such subsidies*

Moving Commercial Fisheries to Sustainability: Innovation and Investment

Framing questions

- What are the priority innovations that leadership fishing companies would like to see?
- How can the linkages between the fishing sector with the Blue Economy innovation community be improved and accelerated?
- What investment opportunities would these innovations create?

BIODIVERSITY

SDG 14.a *Increase scientific knowledge, develop research capacity and transfer marine technology*

Ship Strikes and Marine Mammals: Practical Solutions for Ocean Industries

Framing questions

- What is the scale, extent and trends regarding vessel collisions with marine mammals?
- How can shipping and other ocean industries best collaborate with other stakeholders to address the issue?
- What innovation and investment is needed to acceleration the practices and technologies needed to address the problem of ship strikes?

CROSS-CUTTING SESSIONS

SDG 14.1 *By 2025, prevent and significantly reduce marine pollution of all kinds, including marine debris and nutrient pollution*

SDG 14.2 *By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans*

SDG 14.3 *Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels*

SDG 14.5 *By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on the best available scientific information*

SDG 14.7 *By 2030, increase the economic benefits to small island developing States and least developed countries from the sustainable use of marine resources, including through sustainable management of fisheries, aquaculture and tourism*

SDG 14.a *Increase scientific knowledge, develop research capacity and transfer marine technology*

SDG 14.c *Ensure the full implementation of international law, as reflected in the United Nations Convention on the Law of the Sea for States parties thereto, including, where applicable, existing regional and international regimes for the conservation and sustainable use of oceans and their resources by their parties*

Maritime Cluster for Sustainable Development: Prospects and Progress for Sustainable Development

Framing questions

- How can Maritime Clusters best contribute to sustainable development and the SDGs?
- What are the opportunities for collaboration among Maritime Clusters in support of sustainable development - at national, regional and global scales?
- How can the investment community best interact with Maritime Clusters to advance the Blue Economy?

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Note that the SOS 2019 Draft Program is subject to changes.

Social License and the Blue Economy: What Ocean Industries Need to Know

Framing questions

- What are the sector specific and cross sectoral factors relevant to social license in the Blue Economy?
- What are the best practices and lessons learned by different ocean industry sectors in addressing social license?
- How can companies put into effect the most useful approaches to addressing, monitoring and maintaining a social license for the Blue Economy?

Blue Economy Leadership Alliance for the Mediterranean

Framing questions

- What are the needs and opportunities for creating a cross-sectoral leadership alliance for sustainable development of the Mediterranean?
- What are the priority issues for Blue Economy business leadership, collaboration and action in the Mediterranean?
- What are the steps to creating a maritime business alliance for the health and sustainable development of the Mediterranean?

Africa and the Blue Economy: Regional Business Leadership Alliances for Ocean Sustainable Development

Framing questions

- What are the needs and opportunities for creating a cross-sectoral leadership alliance for sustainable development of African maritime regions, e.g. Regional Seas Programs, Large Marine Ecosystems?
- What are the priority issues for Blue Economy business leadership, collaboration and action around Africa?
- What are the steps to creating a maritime business alliance for the health and sustainable development of African Seas?

Ocean/Maritime Insurance: Risk, Sustainable Development and the Role of Insurance

Framing questions

- What is the role of ocean/maritime insurance in relation to the risks, concerns and constraints associated with expanding ocean economic activity?
- What are the priority ocean development and sustainability issues for engaging the insurance community?
- What experience, lessons learned and ongoing efforts can the insurance community bring to help address ocean sustainable development, e.g. from maritime accidents or climate risk?

The Role of the Ocean/Maritime Legal Community in the Blue Economy and Advancing Ocean Sustainable Development

Framing questions

- What is the role of the ocean/maritime legal community in addressing the risks, opportunities and challenges of the growing and increasingly diverse ocean economy?
- What experience, lessons learned and ongoing efforts can the ocean/maritime legal community bring to help advance ocean sustainable development, and is there a need for greater collaboration amongst the ocean/maritime legal community on sustainable development?
- What are the priority ocean development and sustainability issues for engaging the ocean/maritime legal community - from the perspective of: a) the legal community, b) the ocean business community and c) other ocean stakeholders (e.g. government, NGOs)?