Ocean Economy & Future Technology Conference

11 - 13 February 2019
Oman Convention & Exhibition Centre
## Day 1 - Monday, February 11th, 2019

### Opening Session (Al Irfan Hall)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:00 to 11:00</td>
<td>National Anthem&lt;br&gt;Introduction&lt;br&gt;Opening Remarks&lt;br&gt;Video: Science and Technology Diplomacy&lt;br&gt;Keynote Speaker&lt;br&gt;Video: Ocean Economy&lt;br&gt;Panel Discussion&lt;br&gt;Panelists&lt;br&gt;Video by be’ah: Sustaining our Environment</td>
</tr>
<tr>
<td>11:00 to 11:30</td>
<td>Coffee Break</td>
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</tbody>
</table>
### Session 1 - Ocean Economy and Ocean Sustainable Development (Al Irfan Hall)

**11:30 to 12:30**

**Keynote Speakers**
- Paul Holthus, CEO, World Ocean Council
- Arsenio Martinez Simon, Partner AT Kearney

**Panel Discussion**

**Moderator**
- Veerle Vanderweerd, Policy Director, Global Science Technology and Innovation Conference (G-STIC)

**Panelists**
- Jakob Granit, Director General, Swedish Agency for Marine and Water Management, Sweden
- Anna Costiuc, Policy Officer, International Dimension of Blue Economy, Directorate-General for Maritime Affairs and Fisheries, Mare, European Commission
- Joaquim Goes, Professor, Lamont-Doherty Earth Observatory (LDEO), Columbia University

### Session 2 - Digital Ocean and Ocean Data (Al Irfan Hall)

**12:30 to 13:30**

**Keynote Speakers**
- Per Christer Lund, Director, Innovation Norway
- Gunter Pauli, Professor, Author of Blue Economy

**Panel Discussion**

**Moderator**
- Paul Holthus, CEO, World Ocean Council

**Panelists**
- Ferial El-Hawary, Professor, Dalhousie University
- Omar Christidis, Founder and CEO, ArabNet
- Guy Thomas, Founder, C-SIGMA (Collaboration in Space for International Global Maritime Awareness)
- Atsushi Sunami, President, Ocean Policy Research Institute, Sasakawa Peace Foundation
- Peter Mabson, CEO, exactEarth

### Session 3 - Technology and Innovation (Theatre)

**14:30 to 15:30**

**Keynote Speaker**
- Veerle Vanderweerd, Policy Director, Global Science Technology and Innovation Conference (G-STIC)

**Panel Discussion**

**Moderator**
- Maren Hjorth Bauer, CEO and Co-founder, Katapult Ocean

**Panelists**
- Katharina Renken, Senior Researcher, Maritime Logistics, Kühne Logistics University, Hamburg
- Erik Dyrkoren, CEO, Blueye Robotics
- Grant Burgess, Professor, Marine Biotechnology, Newcastle University, UK
- Mikkel Vestergaard, CEO, SCEYE Sarl

**13:30 to 14:30 Lunch**
# Conference Program

## Session 4 - Investing in the Ocean Economy (Theatre)

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>15:30</td>
<td><strong>Keynote Speaker</strong></td>
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<tr>
<td></td>
<td>• Gregor Paterson-Jones, Independent Advisor to European Commission, World Bank, AfDB, UNCDF and SDG Impact Finance</td>
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<td></td>
<td><strong>Panel Discussion</strong></td>
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<td><strong>Moderator</strong></td>
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<td></td>
<td>• Rachel Pether, Managing Partner, Sovereign Wealth Ltd</td>
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<td></td>
<td><strong>Panelists</strong></td>
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<td></td>
<td>• David Campbell, Commercial Director, Albatern</td>
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<td>• Jacques Demers, Chairman and Managing Partner, Agawa Partners</td>
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<td>• Alison Fleming, Director, Marine Capital</td>
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<td></td>
<td>• Shiblee Alam, Managing Director - Impact Investing, 8F Asset Management</td>
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**Day 2 - Tuesday, February 12th, 2019**

## Session 5 - Fisheries (Al Irfan Main Hall)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:00</td>
<td><strong>Keynote Speaker</strong></td>
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<td></td>
<td>• Gunnar Knapp, Professor Emeritus of Economics, University of Alaska Anchorage</td>
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<td></td>
<td><strong>Panel Discussion</strong></td>
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<td><strong>Moderator</strong></td>
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<td></td>
<td>• Manuel Barange, Director, Fisheries and Aquaculture Policy and Resources Division, Fisheries and Aquaculture Department, U.N. Food and Agriculture Organization (FAO)</td>
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<td><strong>Panelists</strong></td>
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<td></td>
<td>• Will Le Quesne, Middle East Programme Leader, Fisheries &amp; Ecosystems, CEFAS</td>
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<td>• John Goodlad, Senior Advisor, Sustainable Oceans Fund</td>
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<td></td>
<td>• Selina Stead, Professor, Marine Governance and Environmental Science, Newcastle University, UK</td>
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<td></td>
<td>• Dale Kiefer, Professor, Biological Sciences, Division of Marine Biology and Biological Oceanography, USC</td>
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## Session 6 - Offshore Renewable Energy (Al Irfan C Hall)

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00</td>
<td><strong>Keynote Speaker</strong></td>
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<td></td>
<td>• Manfred Dittmer, Executive Vice President, World Forum Offshore Wind</td>
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<td></td>
<td><strong>Panel Discussion</strong></td>
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<td><strong>Moderator</strong></td>
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<td>• Talal Alaulaqi, Enhanced Oil Recovery (EOR), Front End Development Manager, Petroleum Development Oman (PDO)</td>
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<td><strong>Panelists</strong></td>
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<td></td>
<td>• Ana Brito e Melo, Executive Director, WavEC Offshore Renewable</td>
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<td>• Bill Staby, CEO, Resolute Marine Energy</td>
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<td>• Berend Jan Kleute, Co-Founder, Bluerise</td>
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<td></td>
<td>• Masanori Kobayashi, Senior Research Fellow, Ocean Policy Research Institute</td>
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# Session 7 - Logistics and Shipping (Theatre)

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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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| 9:00 to 10:00 | **Keynote Speaker**  
• Katharina Stanzel, Managing Director, INTERTANKO   |
|          | **Panel Discussion**  
**Moderator**  
• Nick Potter, General Manager, Shipping and Maritime, Asia Pacific Middle East Region, Shell Trading   |
|          | **Panelists**  
• Mark Geilenkirchen, CEO, SOHAR Port and Freezone  
• Walter Purio, CEO, LNG Marine Fuel Institute  
• Jayme Kurtyka, Executive Director, Corporate Finance, EagleRail Container Logistics, Partner, Boxbit  
• Chong Kok Keong, CEO, GeTS   |

# Session 8 - Aquaculture (Al Irfan Main Hall)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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| 10:00 to 11:00 | **Keynote Speaker**  
• Roy Palmer, Executive Director, Association of International Seafood Professionals   |
|          | **Panel Discussion**  
**Moderator**  
• Melanie Siggs, Director of Strategic Engagements, Global Aquaculture Alliance (GAA)   |
|          | **Panelists**  
• Bryan Tracy, CEO, White Dog Labs  
• Farshad Shishehchian, CEO, Blue Aqua International  
• Dusan Palic, Chair of Fish Diseases and Fisheries Biology, Faculty of Veterinary Medicine, Ludwig-Maximilians University, Munich  
• Stoffel van Dyk, Operations Director, Abgold   |

# Session 9 - Offshore Oil and Gas (Al Irfan C Hall)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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</table>
| 10:00 to 11:00 | **Keynote Speakers**  
• Randall Luthi, President, National Offshore Industry Association (NOIA)  
• Nick Potter, General Manager, Shipping and Maritime, Asia Pacific Middle East Region, Shell Trading   |
|          | **Panel Discussion**  
**Moderator**  
• Al Mutasem Al Bahani, Front End Development Manager, Petroleum Development Oman (PDO)   |
|          | **Panelists**  
• Philip Askew, Managing Director, Avenir Energy  
• Stuart Smith, CEO, National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA), Australia  
• Lorenzo Casati, Managing Director, ENI Oman   |
### Session 10 - Marine Mining (Theatre)

**10:00 to 11:00**
- **Keynote Speaker**
  - Joshua Brien, Special Counsel, Cooley LLP
- **Panel Discussion**
  - **Moderator**
    - Sophie Egden, Senior Mining Technical Specialist, Deep Sea Minerals Team, World Bank
  - **Panelists**
    - Laurens de Jonge, Manager Design and Estimation for Mining, IHC Mining
    - Rene Grogan, Principle, Gro Sustainably
    - Greg Steimm, Chairman, Odyssey Marine Exploration; President, International Marine Minerals Society (IMMS)

**11:00 to 11:15** Coffee Break

### Session 11 - Skills and Competencies in Ocean Economy (Al Irfan Main Hall)

**11:15 to 12:15**
- **Keynote Speaker**
  - Michael Taylor, Director, Global Outreach and Strategic Initiatives, Society of Naval Architects and Marine Engineers (SNAME)
- **Panel Discussion**
  - **Moderator**
    - Qasim Al Mamary, Director, Ministry of Higher Education, Oman
  - **Panelists**
    - Fatma Said Mohammed Al Hajri, Graduate Survey Director, Ministry of Higher Education
    - David Patraiko, Director of Projects, The Nautical Institute
    - Atsushi Watanabe, Senior Research Fellow, Ocean Policy Research Institute
    - Larry Hildebrand, Head, Ocean Sustainability, Governance & Management, World Maritime University (WMU)

### Session 12 - Oman’s Ocean Economy - Integration & Capitalization (Al Irfan Main Hall)

**12:15 to 13:15**
- **Keynote Speaker**
  - Mustafa Al-Hinai, CEO, Oman Aviation Group
- **Panel Discussion**
  - **Moderator**
    - Shabeeb Al-Mamari, Oman Aviation Group
  - **Panelists**
    - Commodore Dr. Khamis Al-Jabri, Director General of Operations & Plans at Royal Navy of Oman
    - Pankaj Khimji, Partner Director, Khimji Ramdas LLC
    - Mansoor Al Hinai, COO, Nama Holding Group
    - Samra Al-Harthi, State General Reserve Fund (SGRF)
    - Kawther Al-Balushi, The Research Council (TRC)

**13:15 to 14:30** Lunch
## International Forum for Science and Technology Diplomacy (IFSTD) Forum Program

### Day 1 - Monday, February 11th, 2019

<table>
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<tr>
<th>Time</th>
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<tr>
<td>14:30 to 14:35</td>
<td>Opening Remarks</td>
<td>Al Irfan Main Hall</td>
<td>Yousuf AL Bulushi, Head of Science, Knowledge &amp; Technology Transfer Office, Ministry of Foreign Affairs, Sultanate of Oman</td>
</tr>
</tbody>
</table>
| 14:35 to 15:30 | Session 1 - The rise of STI in geopolitics: the need for science diplomacy | Al Irfan Main Hall        | **Keynote Speaker**  
Sir Peter Gluckman, Founding Chair, International Network of Government Science Advice  

**Panel Discussion**  
- A History of Science Diplomacy to Current Practices, Pragmatic Perspectives & Examples from Various Regions  
- Science Diplomacy & International Public Policy  
- Science Diplomacy & International Trade  
- Science Diplomacy & Future Technologies: Maximising Opportunities & Minimising Negative Impacts  

**Moderator**  
Marga Gual Soler, Senior Project Director, Center for Science Diplomacy, American Association for the Advancement of Science, USA  

**Panelists**  
- Vaughan Turekian, Executive Director, Policy & Global Affairs, National Academies of Sciences, USA  
- Paul Arthur Berkman, Director, Science Diplomacy Center, Tufts University, USA  
- Ana Elorza-Moreno, Science Advice Coordinator, Spanish Foundation for Science & Technology, Spain  
- Simon Hodson, Executive Director, CODATA, International Council for Science  
- Jan Marco Muller, Head of Directorate Office/Coordinator for Science to Policy & Science Diplomacy, International Institute for Applied Systems Analysis, Austria |
| 15:30 to 16:30 | Session 2 - STI Diplomacy for the Sustainable Development Goals | Al Irfan Main Hall        | **Keynote Speaker**  
Bill Colglazier, Editor-in-Chief, Science & Diplomacy / Senior Scholar, Center for Science Diplomacy, American Association for the Advancement of Science, USA  

**Panel Discussion**  
- STI Diplomacy Role in Advancing National Action Plans & Roadmaps  
- STI Diplomacy Role in Achieving SDGs with Special Focus on SDG14#  
- International Collaboration & Diplomacy for a Sustainable Ocean Economy  
- Science & Technology Diplomacy, Sustainability and Global Challenges  

**Moderator**  
Jean-Christophe Mauduit, Visiting Scholar, Center for Science Diplomacy, American Association for the Advancement of Science, USA  

**Panelists**  
- Tateo Arimoto, Professor, Science, Technology and Innovation Policy Program, National Graduate Institute for Policy Studies, Japan  
- Atsushi Sunami, President, Ocean Policy Research Institute, Sasakawa Peace Foundation, Japan  
- Melody Brown Burkins, Associate Director, The John Sloan Dickey Center for International Understanding, Dartmouth College, USA  
- Franklin Carrero-Martinez, Director, Science & Technology for Sustainability Programs, National Academies of Sciences, USA  

# Opening Remarks  
Yousuf AL Bulushi, Head of Science, Knowledge & Technology Transfer Office, Ministry of Foreign Affairs, Sultanate of Oman
International Forum Science and Technology Diplomacy