

## Topic 3: Deep-Ocean Stewardship: Avoiding the Dangers of Seabed Mining



DATE AND TIME 26 OCTOBER 2023

PST 0800 EST 1100 BST 1600  
CET 1700 IST 2030 AEST 0200

### PROGRAM

#### *Introductions*

**Admiral ret Robin Dhowan**  
**SAMDeS India**

Institutions of ocean and sea bed protection and their challenges

**Professor Peter Droege,**  
**LISD, Liechtenstein**

The climate stabilizing role of healthy oceans: avoiding false trade-offs in the deep sea

#### *Keynote*

**Professor Lisa Levin PhD,**  
**University of California, San Diego and the Deep Ocean Stewardship Initiative**

Protecting deep-sea ecosystems: why, where and how

#### *Strategies*

**Professor PO Lumumba**  
**The PLO Lumumba Foundation**

Rapid paths to political and legal sea bed protection world-wide

**Tim Daniel**  
**International law expert, London**

Clarion-Clipperton Zone: action strategies to deep sea protection

### ABOUT THE GMA / GMAA

The Global Maritime Accord (GMA) is the first integrated and coordinated approach towards the harmonized administration and governance of the oceans, especially the Areas Beyond National Jurisdiction. The GMA Academy (GMAA) is the learning, teaching, research and exchange platform for drafting the GMA.

GMA and GMAA are focused on the health of oceans in a globally shared effort. They aim to strengthen and support the implementation of the Intergovernmental Conference on legally binding instruments under the United Nations Convention on the Law of the Sea on the safeguarding of marine biological diversity in areas beyond national jurisdiction.

Members of the Accord development effort include oceanographers, lawyers, environmentalists, diplomats and security experts from Australia, Canada, Chile, Denmark, Germany, India, Israel, Netherlands, New Zealand, Kenya, Sri Lanka, United Kingdom and United States.

### COOPERATING ORGANIZATIONS

**Liechtenstein Institute for Strategic Development AG**  
LISD Liechtenstein

**Society for Aerospace, Maritime and Defense Studies**  
SAMDeS India

**International Military Council on Climate and Security,**  
Netherlands

**The Trebuchet**—Breaking Down Barriers / Building Bridges, USA

**Frank Farenski Film,** Germany

### REGISTRATION

To register and receive further information please email  
**Global Maritime Accord – Academy:** [GMA@eurisd.org](mailto:GMA@eurisd.org)  
Please state your Full Name, Affiliation, Preferred Email and Phone No.  
Your Webinar Link will be issued on 24 October 2023





**Professor Lisa Levin** is a Distinguished Professor Emerita at the Scripps Institution of Oceanography, University of California, San Diego, and served as the Director for the Center for Marine Biodiversity and Conservation from 2011-2017. Levin's research interests include biodiversity of deep-sea continental margin ecosystems and the effects of climate change and direct human disturbance in the deep sea. Levin's deep-sea research has been conducted on the margins of the Pacific, Indian and Atlantic Oceans using ships, submersibles and remotely operated vehicles (ROVs) to sample and conduct experiments. She has participated in over 50 oceanographic expeditions around the world and served as Chief Scientist on many of these. Dr. Levin is co-founder and co-lead of the Deep-Ocean Stewardship Initiative, which seeks to integrate science, technology, policy, law and economics to advise on ecosystem-based management of resource use in the deep ocean and strategies to maintain the integrity of deep-ocean ecosystems within and beyond national jurisdictions.



**Professor Patrick LO Lumumba** is an Advocate of the High Courts of Kenya and Tanzania and Law Lecturer at the Faculty of Law, University of Nairobi and the Director of The Kenya School of Laws since the year 2014. He is one of the Trustees and the Executive Director of the African Institute of Leaders and Leadership, Nairobi, Kenya. He received his LL.B and LL.M degrees in Law at the University of Nairobi, followed by a PhD in the Laws of the Sea at the University of Ghent in Belgium. He is an outspoken advocate for intensifying and reinforcing the 2021 UNCLOS principles on averting the dangers of sea bed mining.



**Tim Daniel** specialised in public international law. His career included many matters involving the Law of the Sea. In particular, he represented the Federal Ministry of Justice of Nigeria for some forty years, leading the team against Cameroon in the land and maritime dispute which came before the International Court of Justice in 2002, and negotiating maritime boundary treaties in the Gulf of Guinea with Equatorial Guinea, Sao Tome & Principe, and Benin on behalf of Nigeria. He has also advised on deep sea mining issues in the Clarion-Clipperton Zone off Hawaii.



**Admiral RK Dhowan** (Retd), formerly the 22nd Chief of Naval Staff of the Indian Navy, had a distinguished career of 42 years. Since he served as 5th Chairman of the National Maritime Foundation, India's premier maritime think tank. The Foundation benefitted from his vast experience in the Navy, and formulation of wide range of maritime publications including; Indian Navy in the 21st Century: Maritime Security for National Prosperity (2014); Ensuring Secure Seas: Indian Maritime Security Strategy (2015); Indias Maritime Heritage (2016), United Through Oceans: International Fleet Review 2016. In 2020 the Admiral launched a multidisciplinary think-tank The Society for Aerospace Maritime and Defence Studies (SAMDeS) as the Founding Chairman. Here the Admiral's mission is to draft the Global Maritime Accord with the vision to Save Oceans for a Safe World.



**Professor Peter Droege** is a leading international urban sustainability expert on advanced urban policy, management, transport policy and strategy, urban design, city and regional planning and renewable infrastructure development. His academic career stretches from the School of Architecture and Planning at the Massachusetts Institute of Technology and his position at the University of Tokyo as Urban Development Engineering Endowed Chair to his position as Lend Lease Chair and Professor of Urban Design at the University of Sydney, and Conjoint Professorship at the University of Newcastle's School of Architecture and Built Environment. At the University of Liechtenstein he developed a highly influential Chair for Sustainable Spatial Development which he held over a period of eight years. Prof. Droege ist Präsident von EUROSOLAR e.V., the European Association for Renewable Energy.