

04.11. – 05.11. | HanseMesse Rostock

# Rostock Ocean Convention 2025

## Ocean Innovation: The role of politics (and authorities)

Political will and regulatory frameworks are crucial enablers of ocean innovation — especially when addressing complex, high-risk challenges such as the recovery of UXO from the sea. This panel brings together experts from policy, science, and industry to discuss the indispensable role of political action in driving forward environmental safety and technological advancement in the marine space.

Focusing on the urgent issue of underwater munitions, panelists will explore the kinds of policy decisions, funding mechanisms, and regulatory support needed to enable effective and safe recovery operations. The discussion will also highlight how politics can set the agenda, prioritize critical themes, and create enabling conditions for innovation to thrive.

Join us for a thought-provoking exchange on how targeted political engagement can remove barriers, align stakeholders, and ensure that innovation in the ocean sector serves both environmental and societal goals

**04.11.2025 | 12:30 – 14:00**

### Session Chair:

#### Panelists:

**NN**, BMBF (invited)

**NN**, Ministerium für Klimaschutz, Landwirtschaft, ländliche Räume und Umwelt Mecklenburg-Vorpommern (invited)

**NN**, TKMS (invited)

## Ocean Innovation: The role of real-world laboratories

Real-world laboratories are essential tools for accelerating innovation in the ocean sector. This panel brings together leading voices from research and industry to explore the critical role of real-world testing environments—particularly under offshore conditions—in evaluating emerging technologies at an early stage.

Panelists will discuss how real-world laboratories help bridge the gap between lab-based research and practical application by enabling iterative development, stakeholder involvement, and rapid feedback loops. Through real-life case studies and cross-sector insights, the session will explore both the opportunities and the limitations of testing in real marine environments.

Join us as we examine how real-world laboratories can support more agile innovation processes, de-risk investments, and foster greater collaboration between science and industry—paving the way for more robust, scalable ocean solutions.

**04.11. 2025 | 14:30 – 16:00**

### Session Chair:

#### Panelists:

**Sascha Krohmann**, Fraunhofer IGD

**Julian Rickards**, Sonardyne

**Kai Domke**, SVA Potsdam

**Daniel Hayes**, CMMI

## Ocean Innovation: The role of collaboration

In the face of accelerating environmental challenges and growing economic demands, innovation in the ocean economy has never been more critical. This panel explores how collaborative approaches can unlock the full potential of ocean innovation. Experts from science, industry, and policy will discuss the importance of innovation ecosystems, such as clusters and collaborative spaces, in driving sustainable solutions.

The discussion will highlight how cross-sector partnerships and stakeholder engagement accelerate the translation of scientific research into market-ready products and services. Panelists will share best practices for integrating academic insights into production and development processes, emphasizing the value of interdisciplinary cooperation to address complex marine challenges.

Join us for an engaging conversation on how collective action can reshape the future of ocean innovation and help bring transformative ideas to scale—faster and more effectively.

**04.11.2025 | 17:00 – 18:30**

### Speaker:

**Peter Linke**, Geomar

**Michael Oellermann**, AWI / SOOP

**Uwe Freiherr von Lukas**, Ocean Technology Campus Rostock

## Evening Reception

**04.11.2025 | 19:00 – 22:30**

Fischbratküche, Warnowpier 431, Rostock

## Ocean Data

Explore the transformative power of ocean data in this dynamic session dedicated to AI solutions and data analytics. We will discuss how artificial intelligence is being applied to process vast amounts of marine data, enabling predictive analytics and enhancing decision-making for ocean management. The session will also cover the concept of digital twins, showcasing how virtual representations of ocean systems can lead to improved understanding and monitoring of marine environments. Join us to learn about the latest trends, tools, and methodologies that are shaping the future of ocean data utilization and driving sustainable practices in oceanography and marine conservation.

**05.11.2025 | 09:00-10:00**

### Session Chair:

#### Speaker:

**NN**, Kongsberg Maritime (invited)

**NN**, Mercator Ocean (invited)

**NN**, IBM (invited)

## Ocean Robotics

Join us for an engaging session on Ocean Robotics, where we delve into the latest advancements in autonomous solutions for marine exploration. This session will cover cutting-edge technologies in underwater communications and positioning systems that enhance the capabilities of autonomous underwater vehicles (AUVs) and remotely operated vehicles (ROVs). Participants will gain insights into the challenges and opportunities in the field, including real-time data transmission, navigation in complex underwater environments, and the future of robotic applications in ocean research and environmental monitoring.

**05.11.2025 | 09:00-10:00**

### Session Chair: Sascha Krohmann, Fraunhofer IGD

#### Speaker:

**Richard Mills**, Cellula Robotics

**Pierre Alexandre**, RTsys

**Christopher Rieß & Nico Günzel**, Framework Robotics

**NN**, MacArtney (invited)

KOOPERATIONSPARTNER:

## Beyond traditional applications: innovative offshore technologies

This session will explore the transformative potential of offshore technologies in alternative industries and contexts. We will highlight examples from sectors such as offshore energy, aquaculture, and beyond, showcasing how these technologies are being repurposed to drive innovation and sustainability in diverse applications. Join us to discover new opportunities and insights into the future of offshore technology utilization

**05.11.2025 | 10:30 – 11:30**

### Session Chair:

#### Speaker:

**Chris Sabo**, R3Vox

**Elena Prede**, University of Bucharest

**Nadja Kinsky**, 4H-Jena engineering GmbH

**NN**, Exail (invited)

## Ocean Observation (environmental and habitat mapping)

Dive into the world of ocean observation in this insightful session focused on environmental and habitat mapping. We will explore the role of underwater sensors in monitoring marine ecosystems and their effectiveness in localizing and tracking aquatic animals. Participants will learn about innovative technologies that facilitate real-time data collection and analysis, enabling better understanding of marine habitats and biodiversity

**05.11.2025 | 10:30 – 11:30**

### Session Chair:

#### Speaker:

**Daniel Heyes**, CMMI

**NN**, IOW (invited)

## Clean Ocean (Plastics, UXO, Biodiversity, Monitoring)

This session will discuss innovative solutions and methodologies that contribute to ocean health and sustainability, emphasising the importance of collaboration and technology in conserving marine ecosystems. It will address critical challenges such as underwater unexploded ordnance (UXO), marine plastics and biodiversity monitoring. Join us to explore how these advances are shaping a cleaner and more resilient ocean future.

**05.11.2025 | 11:30 – 12:30**

### Session Chair:

#### Speaker:

**NN**, SINTEF (invited)

**NN**, Fraunhofer (invited)

## Maritime Security & Critical Infrastructure

This session will discuss innovative solutions and methodologies that contribute to ocean health and sustainability, emphasising the importance of collaboration and technology in conserving marine ecosystems. It will address critical challenges such as underwater unexploded ordnance (UXO), marine plastics and biodiversity monitoring. Join us to explore how these advances are shaping a cleaner and more resilient ocean future.

**05.11.2025 | 11:30 – 12:30**

### Session Chair: Holger Klindt

#### Speaker:

**Jannik Sauer**, Subsea Europe Services

**Peter Menzel**, Rostock Institute for Ocean Technologies

**NN**, Forcys (invited)

**NN**, Devologics (invited)

KOOPERATIONSPARTNER: