

## Webinar Series

### Where Ocean Literacy Meets Technology, Data & Digital Solutions

This webinar explored how AI, robotics, and big data enhance ocean literacy and sustainability. Experts showcased innovations in ocean monitoring, digital twins, and citizen science, highlighting their role in business, policy, and environmental protection. We were joined by Arne Johan Hestnes from Kongsberg Discovery and Giulia Dapuelto from ETT S.p.A.

**"IF WE COMBINE OCEAN MAPPING, TECHNOLOGY, AND EDUCATION, WE ENABLE BETTER REGULATIONS, AND ULTIMATELY, BETTER OCEAN STEWARDSHIP." – ARNE HESTNES**

Giulia Dapuelto



## Challenges

Many businesses and decision-makers lack real-time, high-resolution ocean data to make informed choices.

There is still a gap between scientific advancements and their application in industry and policy-making.

Many businesses and policymakers struggle to translate complex ocean data into actionable sustainability measures.

## Ideas

Digital twins, virtual replicas of marine environments, must provide real-time insights on ecosystem health and human impact.

Collaboration between scientists, policymakers, and businesses is key to enhancing ocean data usability for commercial and conservation efforts.

Businesses can integrate real-time environmental data into their decision-making, using ocean sensors and AI-driven analysis to reduce their ecological footprint.

## Solutions

Machine learning models improve the efficiency of ocean monitoring, reducing costs for businesses and governments.

Policymakers should integrate real-time ocean data into decision-making, ensuring regulations align with the latest marine science insights.

Mobile apps and smart sensors allow citizens to contribute data on ocean pollution, biodiversity, and climate impacts.

Arne Hestnes



Watch it again...

