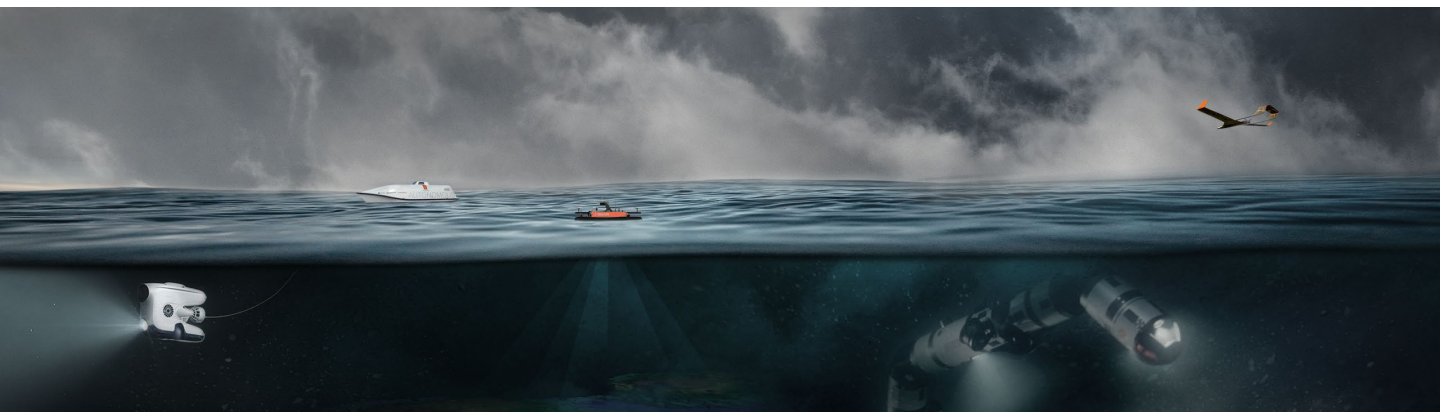# Protecting and monitoring the ocean
- the nordics

May 3rd 2023, Trondheim, Norway

Dear,

We are pleased to invite you to the European Ocean Monitoring and Protecting seminar, which this time focuses on the Nordics. The seminar will be held on Wednesday, May 3rd, in Trondheim, Norway, during NTNU Ocean Week (https://www.ntnu.edu/ocean-week)

Ocean Autonomy Cluster organizes the seminar in partnership with European Investment Bank, Blue Invest, DG Mare, and strategic project Innovamare.

The seminar will present current and future challenges and solutions related to the ocean and the blue economy. It aims to bring together all relevant stakeholders to discuss potential public and private investments in monitoring and protecting the ocean, focusing on the Nordics. Given the current geopolitical situation, energy situation, digital connections, and other critical infrastructure in the ocean, this is a highly relevant seminar for several public and private stakeholders. The seminar will help stakeholders share knowledge and engage and foster actions by promoting innovative technologies that prevent or solve emerging threats.

The focus of the seminar is on the following:

1)   Showcasing innovative ocean technologies.

2)   Exploring funding possibilities for public and private projects at each stage of development.

3)   Connecting the key stakeholders to share a common vision.

We hope this event's tangible benefits could be supporting a shared ecosystem for ocean technology in Europe and stimulating new market opportunities linked to the European Green Deal and Digital Transformation.

This event is "by invitation only." To participate in this seminar, please register directly by sending an email to frode@fi-nor.no

If you are not able to participate but think someone else from your organization should attend, please let us know by sending an email to frode@fi-nor.no

More information about the seminar: https://oceanautonomy.no/en-us/oceanprotect

European Investment Bank   European Commission Maritime Affairs and Fisheries   BLUE INVEST   Interreg Italy - Croatia InnovaMare European Regional Development Fund   OCEAN AUTONOMY CLUSTER   NTNU

Program

09:00 - 09:15: Welcome

Siri Granum Carson, Director of NTNU Oceans

09:15 - 10:00: Solutions looking for a problem - Research and Technology

Chair: Linda Cathrine Hald – Ocean Autonomy Cluster

Ocean OPS: Belbeoch Mathieu (digital)

The Iliad Digital Twin of the Ocean: Antonio Vasilijevic Research Project ManagerDepartment of Marine Technology

Mercator Ocean International (MOi): Dr. Tina Silovic Market Development Officer Mercator Ocean - Copernicus Marine Data for the Arctic

10:00 - 10:40: Funding and strategies – Europe

Chair: European Investment Bank Mrs. Antonella Calvia Goetz

DG Mare: Zoi Konstantinou Policy Officer

Blue Invest: Renata Peloso (digital)

EIF: Miguel Alves (digital)

Innovation Norway: Stein Ivar Strøm

10:40 - 11:00: Coffee and tea

11:00 - 11:30: Funding – Equity Capital

Chair: Ocean Space Incubator: Ingrid Margrethe Sandnes

Katapult Ocean: Ingrid Maurstad

Sarisa: Jon Trygve Berg

Hatch: George Baunanch

11:30 - 12:30: Lunch

12:30 - 14:10: Solutions looking for a problem – Scalable Ocean Space Technologies

Chair: Ocean Autonomy Cluster: Frode Halvorsen
10x Scalable Ocean Space Technologies

14:10 - 14:30: Coffee and tea

14:30 - 15:00: Keynote - Blueye Robotics

15:00 - 15:40: Problems looking for a solution - Government and Industry

Chair: Croatian Chamber of Economy – DIH InnovaMare Mateo Ivanac

Kongsberg Sensors and Robotics: Arne Rinnan CEO

DG Mare: Zoi Konstantinou Policy Officer

VLIZ: Chantal Martens - Blue Innovation Officer

SOCIB: Emma Reyes - Head of Coastal High Frequency radar facility (digital)

15:40 - 16:00: Wrap up

Ocean Autonomy Cluster Frode Halvorsen
European Investment Bank Mrs. Antonella Calvia Goetz

Solutions looking for a problem – Scalable Ocean Space Technologies

12:30 – 12:40: Xocean
Using Uncrewed Surface Vessels (USVs), XOCEAN provides turnkey data collection services to surveyors, companies and agencies. From mapping the seabed to environmental monitoring, our platform offers a safe, economic and carbon-neutral solution to collecting ocean data. www.xocean.com

12:40 – 12:50: Ocean Access
Ocean Access is a Norwegian startup on a mission to capture ocean data that has never been captured before. We are addressing the increasing need for remote ocean monitoring across different industries. To truly scale up our monitoring of the oceans, capture more ocean data and unlock opportunities for digitalization in the ocean space, we need smart tools that are both affordable and reliable. www.oceanaccess.no/

12:50 – 13:00: Maritime Robotics
Maritime Robotics is revolutionizing the ocean space with innovative uncrewed solutions. Our systems are engineered for seamless surface and aerial operations, delivering cutting-edge solutions for our clients. Since 2005, we have been committed to providing high-quality, cost-effective, sustainable services that reduce HSE risk exposure. www.maritimerobotics.com/

13:00 – 13:10: iDrop
iDROP provides a disruptive method and proprietary equipment for efficient and accurate installation of sensors on or in the seafloor. The system comprises a self-navigating drone - Oceanid™, purely based on gravity, and ballast shift, will self-propel itself autonomously from a drop location on the surface to a pre-plot location on the seabed. www.idrop.no

13:10 – 13:20: Skarv Technologies
Skarv Technologies delivers software- and hardware solutions for autonomous robotic systems operating in the marine environment, specializing in applications requiring high self-dependence and robustness. We are experts in creating mission-critical software infrastructure to operate and scale robotic fleets. We believe that ocean exploration deserves capable and reliable autonomous software to acquire data effectively, safely, and with unprecedented accuracy. www.skarvtech.com

13:20 – 13:30: Wsense
W-sense is a deep-tech company, born as a spinoff of Sapienza University in Rome, specialized in underwater monitoring and communication systems, based on patented technologies that have pioneered the Internet of Underwater Things (IoUT). WSense's technologies are at the forefront of underwater wireless networking, enabling multi-modal secure wireless communications and networking among submerged and surface sensing and robotic platforms. www.wsense.it

13:30 – 12:40: Seacras
SeaCras is Earth Observation-AI company for water quality monitoring, specialized for highly challenging coastal waters. Our mission is to provide our end-users with value-added and timely information extracted from the robust analysis of Earth Observation data. What we do: Processing satellite imagery, Derive water quality products, Provide monitoring services, Build and validate forecasting models, Physico-chemical numerical modeling www.seacras.com

13:40 – 13:50: Vectrino
Vectrino offers services and solutions for property owners and managers. We understand all the challenges property managers face: inaccessible terrain, low-resolution video and photo documentation, difficulties with monitoring status over time, etc. That's why we have developed a unique methodology for coastal shallow water areas that makes it significantly easier to manage underwater property, as it enables a realistic portrayal of the current state at any time. www.Vectrino.hr

13:50 – 14:00: Seastainable Ventures
We restore and enhance the earth's natural capital. Through scientific progress, technological innovation, and profitable investment strategies, we help society transition towards sustainable development models. Our impact, nature-based marine solutions draw upon a wealth of expertise to propel the blue economy forward. www.seastainableventures.com

14:00 – 14:10: Salona Var
SALONA VAR is working on a new model of aluminum working boat MARAL.
It is a boat, which looks like a rubber boat but is made entirely of aluminum. It is light, unsinkable (3 separate chambers), and incomparably more resistant to all kinds of impacts than a similar rubber or fiberglass boat. It is designed as a working boat for fish farms, firefighters, police, divers, and the like.
https://salonavar.hr/