







# **Webinar**Onsdag 15. mars 2023, kl. 15:00



#### **PROGRAM**

#### Welcome and introduction to ILIAD

Bente Lilja Bye, BLB

# The Arctic Ocean forecasts and reanalysis from the Copernicus Marine Services

Laurent Bertino, Nansensenteret

### FNs havforskningstiår i Norge

Mette Mila, Norges forskningsråd

## FiskInfo - Dissemination of information to the Norwegian fishing fleet

Bård Johan Hanssen, SINTEF Nord

### Digitale tvillinger i Norge

Håvard Legreid, Digital Tvilling AS

**Diskusjon/Discussion** 



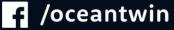
## **DIGITAL TWINS**



Iliad's Digital Twin of the Ocean provides a virtual environment representing the ocean, capable of running complex, predictive management scenarios. The innovative system integrates across discipline, sensors, models, and digital infrastructures.









## ILIAD IN A SEASHELL





Enabling an ecosystem of interoperable digital twins for the ocean trough:

- Connecting to existing ocean data infrastructures
- Enhance ocean data infrastructures with additional observation technologies and citizen



Create an open marketplace accessible for all providers and users by:

- Development of *innovative methods* in open frameworks and platforms
- Enable model evaluations & comparisons for many Earth science applications from weather, energy, aquaculture to climate and more



Provide solutions to address future societal challenges by:

- Assembling a broad and diverse user community of existing and new users,
- Supporting the communities in testing and using the project's innovative technological solutions







## ILIAD DIGITAL TWINS OF THE OCEAN





Capacity





Ocean Energy Potential



Coastal Sediment Transport



Plastic Pollution Monitoring



Oils Spill Simulation



Insurance For Marine & Maritime Activities



Jellvfish Swarm Forecast



**Harbour Safety** 



Met Ocean Hind, Now & Forecast



Fisheries
Productivity &
Sustainable Aquaculture



Ballast Water Monitoing



Aquaculture & Harmful Algae, Water Quality & Ship Traffic







### **ILIAD** numbers

- Full name: Integrated Digital Framework for Comprehensive Maritime Data and Information Services
- Coordinator: Netcompany-Intrasoft
- Frant Agreement No: 101037643
- Project start date: 1. February 2022
- Project end date: 31. January 2025
- Duration of project in months: 36
- Overall budget: 18 956 630 EURO
- EU contribution: 17 046 230 EURO
- Partners: 56 + 2 linked third parties













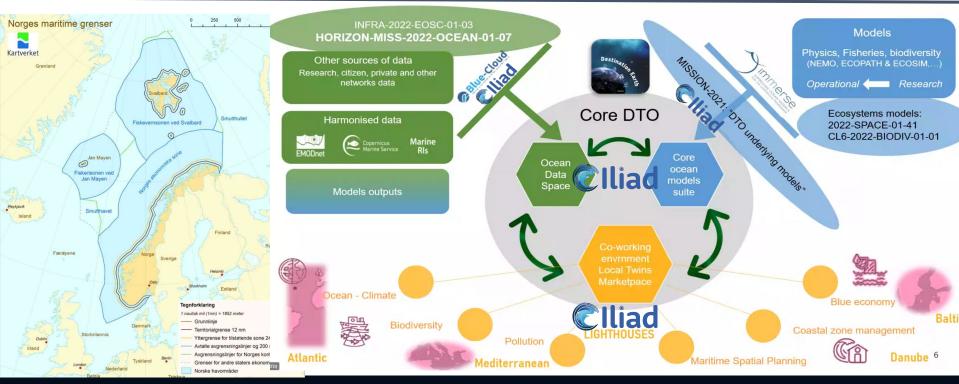


## ILIAD Norge, Europa og verden

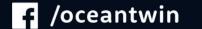




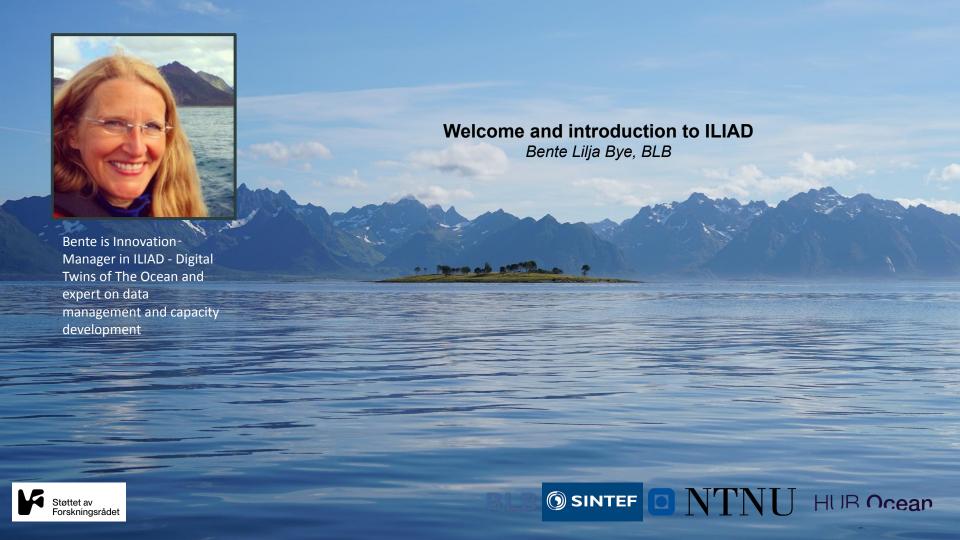














Laurent is an expert in ocean data assimilation and forecasting. Leading the Arctic marine forecasting center in the Copernicus

Marine Services.

## The Arctic Ocean forecasts and reanalysis from the Copernicus Marine Services Laurent Bertino, Nansensenteret















Mette Mila jobber i Forskningsrådets havsekretariat. Sekretariatet har ansvar for å koordinere og følge opp FNs havforskningstiår i Norge.

#### FNs havforskningstiår i Norge Mette Mila, Norges forskningsråd









FiskInfo - Dissemination of information to the Norwegian fishing fleet

Bård Johan Hanssen, SINTEF Nord





Håvard is an expert in human centered design and have a poetic sense of creativity where good solutions by necessity are elegant, and for people.

### Digitale tvillinger i Norge

