







Dialog 4 - Havbruk Torsdag 25. april 2024, kl. 15:00



Velkommen og introduksjon til digitale havtvillinger Bente Lilja Bye, BLB

OptiLok - økt biosikkerhet i havbruk Håvard G. Frøysa, Havforskningsinstituttet

DigiCat og Ocean Innovation forteller litt om Norsk Katapult

Bjørn Dimmen, ÅKP DigiCat, Bjarte Horn, Ocean Innovation

Havbruk og relaterte digitale tvillinger i Norge Ute Brönner, SINTEF Ocean

Diskusjon: Potensialet for digitale havbrukstvillinger i Norge



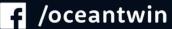
DIGITAL TWINS



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.









THE ILIAD APPROACH & CONCEPTS





The ocean is vast and complex. It consists of geophysical, biological and numerous interaction between its components and human activity.



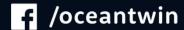
To reflect this complexity of European digital twin of the ocean, the EU, its members and associates are developing a core infrastructure, Modelling capacity and implementations in local and sector /thematic twins. This ecosystem of twins and its components are referred to as the European digital ocean twin.



Iliad partnership being part of this dynamic ecosystem is working closely with other projects and initiatives (public & private) to ensure alignment by using similar standards, APIs, best practices etc.



Iliad partnership is working towards the implementation of **interoperable** systems, services and assets.





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









Ocean Energy Potential



Coastal Sediment Transport



Plastic Pollution Monitoring



Oils Spill Simulation



Insurance For Marine & Maritime Activities



Jellyfish 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

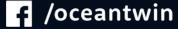














ILIAD Norge, Europa og verden



ILIAD is part of a vibrant ever evolving ecosystem of digital twins, including its great variety of resources ranging from data providers, cloud services, ocean modeling, biodiversity, data spaces all organized by a plethora of institutions and projects in Europe and beyond.

























Blue-Cloud

















MØT EKSPERTENE

EKSPERTENE



Håvard G. Frøysa

Havforskningsinstituttet



Bjørn Dimmen

DigiCat



Bjarte Horn

Ocean innovation



Ute Brönner

SINTEF Ocean

Vi vil gjerne ha forslag til foredragsholdere og tema

Send oss en epost

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