



Social-Ecological Ocean Management Applications using Digital Ocean Twins

Empowering Sustainable Ocean Governance Through Digital Innovation

SEADOTs Journey

Advancing Ocean Management for a Sustainable Future

SEADOTs is an EU-funded project designed to revolutionize ocean management by integrating social-ecological and socio-economic data into **Digital Ocean Twins**. By providing real-time, predictive insights, SEADOTs aims to empower policymakers, industries, and local communities with the tools needed to balance human activities and marine conservation.

Key Focus Areas

- **Enhancing** marine spatial planning with real-time data and simulations
- **Promoting** sustainable development in ocean industries
- **Safeguarding** marine ecosystems while fostering economic growth.



Demonstrators

SEADOTs in Action – Real-World Applications

SEADOTs focuses on three critical regions where human activities and ocean ecosystems interact:

- **Norwegian North Sea:** Studying the impact of wind farm development on small island communities like Utsira.
- **German North Sea:** Exploring the coexistence of fisheries, offshore wind farms, and aquaculture to balance economic and ecological interests.
- **Swedish Baltic Sea:** Addressing the challenges of climate change and sustainable fisheries management in a vulnerable ecosystem.

Shared Vision

Our Vision: Sustainable Oceans, Empowered Communities

SEADOTs envisions a future where **Digital Ocean Twins** provide a holistic view of marine ecosystems, helping to protect ocean resources and promote sustainable use. Our project focuses on:

- **Integrating** social-ecological data with ecological models to deliver actionable insights.
- **Developing** advanced tools for policymakers, industries, and environmental groups.
- **Facilitating** collaboration between stakeholders to ensure a sustainable blue economy.



We shape the Future of Ocean Governance



SEADOTs is more than just technology—it's a movement toward a future where oceans are sustainably managed for the benefit of all. With Digital Ocean Twins, we provide the tools to visualize the future of our oceans, ensuring that both environmental and social-ecological factors are considered in marine governance.

Get involved

Visit our website or follow us on social media to stay updated on SEADOTs' progress.



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