

Programm

18. Juni 2025

Digital Twins of the Ocean Symposium

GEOMAR - Standort Ostufer / GEOMAR - East Shore, 5-1.213 - Rechte Seite - Großer, unterteilbarer
Konferenzraum
Wischhofstr. 1-3 24148 Kiel

Mi., 18. Juni

13:05	Welcome Beitrag Sprecher: Agnes Piecyk
13:15	
13:15	Digital Twins of the Ocean for the Cabo Verde Archipelago and the FUTURO Initiative Beitrag Sprecher: Florian Schütte
13:27	
13:27	FAIR data spaces for digital twins Beitrag Sprecher: Timm Schöning
13:39	
13:39	Leveraging existing open-source software as core building blocks for a community-driven digital twins of the ocean infrastructure Beitrag Sprecher: Katharina Höfllich
13:51	
13:51	Can data-driven ocean models build the core of a what-if digital twin of the ocean? Beitrag Sprecher: Nils Hutter
14:03	
14:03	Coffee Break I Pause
14:30	
14:30	Turning fish into 0's and 1's: building a digital twin of North Sea fish movement Beitrag Sprecher: Christopher Monk
14:42	
14:42	Simulating Fish Stock Responses to Fishing Pressures in the Western Baltic with the multispecies model OSMOSE Beitrag Sprecher: Ada Musidlowska
14:54	
14:54	Integration of biodiversity monitoring data into the European Digital Twin Ocean Beitrag Sprecher: Lotte Pohl
15:06	
15:06	Underwater Noise Pollution: An Interdisciplinary Call to Action Beitrag Sprecher: Katja Heubel
15:18	
15:18	Coffee Break II Pause
15:50	
15:50	SEADOTs - Social-ecological assessments and ocean management with Digital Ocean Twins Beitrag Sprecher: Katherine Crosman
16:02	
16:02	Spatial population projects for coastal risk assessments Beitrag Sprecher: Hedda Bonatz
16:14	

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19:00

The EOM working group

Beitrag | Sprecher: Natascha Oppelt

Towards Improved Coastal Flood Assessments through Hydrodynamic Modelling and Digital Twins.

Beitrag | Sprecher: Sunna Kupfer

DHI's BlueCast: DSS for the Maritime Economy

Beitrag | Sprecher: Kyle Egerer

Coffee Break III

Pause

Towards Safe and Environmentally Friendly Maritime Transport

Beitrag | Sprecher: Jan Oberhagemann

Dynamic virtual environments from original data and measurements: a game engine perspective

Beitrag | Sprecher: Felix Gross

Optical measurement techniques for the study of applied and fundamental fluid dynamics

Beitrag | Sprecher: Steffen Risius

Water Level Prediction in Marinas: Machine Learning Approaches

Beitrag | Sprecher: Marco Banzhaf

Integrating models and data of the solid Earth using the Advanced Solver for Planetary Evolution, Convection and Tectonics

Beitrag | Sprecher: Juliane Dannberg

Poster session

Beitrag