Beitrag ID: **16**   Typ: **Talk**

SEADOTs –Social-ecological assessments and ocean management with Digital Ocean Twins

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Digital ocean twins (DOTs) are applications that bring together data and expert knowledge to support decision-making for sustainable ocean management. In the SEADOTs (Social-Ecological Ocean Management Applications using Digital Ocean Twins) project, we integrate social, economic, and ecological data with data on human activities, ocean data, ecosystem data, and a variety of models into DOTs. By creating and demonstrating applications in the Norwegian North Sea, the German North Sea and the Baltic Sea, each tailored to address distinct current challenges and developments, and simulating the interactions between human systems, human activities, and marine ecosystems, SEADOTs aims to facilitate and inform political decision making, marine spatial planning and adaptive management. SEADOTs'ambition is to help safeguard ocean ecosystems, promote sustainable resource use, and enhance social and economic well-being.

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