

# 5th Data Science Symposium

22nd January 2021, virtual meeting

## Program

9:00	Welcome	Hela Mehrstens
	<b>Session Data Management</b>	Andreas Lehmann
9:15	DAM core area "Data management and Digitalisation": Pilot project "Underway"-research data	Gauvain Wiemer
9:30	Ingest Framework for scalable raw data publication	Maximilian Betz
9:45	Marine Inorganic Carbon synthesis data products in the era of big marine data	Nico Lange
10:00	Data flow, standardization, and quality control	Brenner Silva
10:15	O3as: an online ozone trend analysis service within EOSC-synergy	Tobias Kerzenmacher
10:30	Break	
	<b>Session Data HUB E&amp;E</b>	Linda Baldewein
10:45	An Integrated Customizable Framework for Data Visualization and Exploration	Robin Heß
11:05	Distributed data analysis for better scientific collaborations	Philipp Sommer
11:20	THREDDS Data Server a simplified way to discover and access scientific data at GEOMAR	Klaus Getzlaff
11:40	OPUS - An Open Portal to Underwater Soundscapes to explore and study sound in the global ocean	Karolin Thomisch
12:00-13:00	Poster Session : main room	

	<b>Session Data Science</b>	Jens Greinert
13:00	Estimation of atmospheric chemical state from pressure indices	Andrey Vlasenko
13:15	Investigating Myocardial Infarctions in Augsburg, Germany with Machine Learning	Lennart Marien
13:30	Artificial Intelligence for Cold Regions (AI-CORE) - a Pilot to bridge Data Analytics and Infrastructure Development	Ingmar Nitze, Long Duc Phan, Julia Christmann
13:45	Deep Neural Networks for Total Organic Carbon and Sedimentation Rate Prediction and Data-Guided Sampling	Everardo Gonzales
14:00	Using machine learning to estimate soil moisture in an agricultural field	Johannes Boog
14:15	A Whole New World: Leveraging the Power of Data Links with Heterogeneous Information Networks	Carola Trahms
14:30	Break	
	<b>Session Data Infrastructure</b>	Stephan Frickenhaus
14:45	A multi-layer web service architecture for HI-CAM Net-Zero-2050 Soil Carbon App	Jianing Sun
15:00	V-FOR-WaTer: A Virtual Research Environment for Environmental Research	Sibylle Hassler
15:15	Swarm behavior of German research vessels	Norbert Anselm, Philipp Fischer
15:30	The German National Research Data Infrastructure NFDI: Current status and perspectives	Barbara Ebert
15:45	webODV – online data extraction, visualization and analysis	Sebastian Mieruch
16:00-16:30	Discussion room	
16:30	Farewell	Daniela Henkel