

**1<sup>st</sup> GEOMAR Science Symposium  
19 & 20 April 2018, Kiel East Shore**



Image from MarDATA Proposal

# GEOMAR DataScience Symposium

19 & 20 April 2018; East Shore Lecture hall

Jens Greinert & Sören Lorenz

Day & Time	Topic	Speaker
<b>19<sup>th</sup> April</b>		
12:00	Lunch & Posters	All participants (please register)
13:00	Intro	Jens Greinert & Sören Lorenz
13:10	Microservice Architectures for Data Science Applications	Willi Hasselbring (CAU)
13:40	Data Science for All	Stephan Frickenhaus (AWI)
14:10	Task-based visual analytics methods and tools	Doris Dransch (GFZ)
14:40	Ocean Observing Systems: What do we want to do with our data?	Holger Brix (HZG)
15:10	Coffee & Posters	
15:40	Marine Image Informatics - How to process image collections for Marine Data Science	Tim Nattkemper (Uni Bielefeld)
16:10	Defining ecosystem maturity, how concepts of complex systems help	Wolfgang Castell (HMGU)
16:30	Open Science in Marine Research - How open can/should we be?	Tobias Steinhoff (RD2)
16:50	GLODAPv2	Toste Tanhua (RD1)
17:10	MEMENTO - the Marine Methane and Nitrous Oxide Database	Annette Kock (RD2)
17:30	End of 1 <sup>st</sup> Day	
<b>19:00</b>	<b>Joint dinner with guests (-&gt; Traum GmbH)</b>	<b>Please email <a href="mailto:mpaul@geomar.de">mpaul@geomar.de</a></b>

<b>20<sup>th</sup> April</b>		
9:00	Data Science for pelagic ocean optics	Rainer Kiko (RD3)
9:20	Data acquisition for photogrammetric reconstructions	Tom Kwasnitschka (RD4)
9:40	Getting the Big Picture: Combining Local Photos to Large Visual Maps	Kevin Köser (RD2)
10:00	Geological Mapping	Meike Klischies (RD4)
10:20	Combining hydroacoustic and optic data for deep-sea mineral resources: Challenges and Chances	Iason Gazis (RD2)
10:40	Coffee & Posters	
11:10	Towards Climate-Data Analysis on Large Distributed Systems	Willi Rath (RD1)
11:30	Quality control of large time series datasets: Towards basic tools making use of unsupervised machine learning techniques	Dietrich Lange (RD4)
11:50	GEOMAR - Workbench	Tim Weiß (RD2)
12:10	HGF Initiative Digital Earth	Jens Greinert (RD2)
12:20	HGF Initiative MarDATA	Stefan Frickenhaus (AWI)
12:30	Lunch & Posters	
13:30	DataScience@GEOMAR - Perspectives and Structural Implications	Sören Lorenz (D&C Centre)
13:45	DataScience@GEOMAR, podiums discussion, whats next (Inkubator), how to proceed	Jens Greinert & Sören Lorenz
14:45	End of 2 <sup>nd</sup> Day	