

TUESDAY – 26th May 2020			
TIME	SPEAKER	SUBJECT	
09:00-09:15	Jens Greinert/ GEOMAR	Welcome and Highlights and lessons learned - Looking back to 2 years of Digital Earth	
09:15-11:00	Peter Dietrich/ UFZ (Introduction & Moderation)	SMART Monitoring approaches in Digital Earth	
	Philipp Fischer/ AWI & Holger Brix/ HZG	Joint ship cruises on the North Sea: Sensor management and data flow	
	Brenner Silva/ AWI	Dataflow and services	
	Ralf Kunkel/ FZJ	Workflows for automated quality control and quality assessment	
	Uta Ködel/ UFZ	FAIR+ - Going beyond FAIR to increase data reliability	
	Amir Haroon/ GEOMAR	Using machine learning for automatic site detection of seafloor massive sulfides	
	Erik Nixdorf/ UFZ	Regionalisation of soil moisture trends from Cosmic Ray Neutron Rover Surveys using machine learning	
	Maximilian Graf/ KIT	Opportunistic sensing of precipitation with Commercial Microwave Links	
	Iason Gazis/ GEOMAR	Terrain Sampling based on auxiliary information: A collection of methods	
	Everardo González & Ewa Burwicz-Galerne/ GEOMAR	Deep neural networks for total organic carbon prediction and data-driven sampling	
11:00-11:15			
	Doris Dransch/ GFZ (Moderation, Introduction)	Integrated Data Exploration: Concepts, Methods, Tools	
	Doris Dransch, Bruno Merz & Stefan Lüdtke/ GFZ, Viktoria Wichert, Bentje Tiedje/ HZG/GERICS, Erik Nixdorf/ UFZ	The Flood Event Explorer: An example for workflow-based integrated data exploration	
	Daniel Eggert/ GFZ	A component-based software framework to support integrated data exploration	
11:15-13:00	Valentin Buck, Flemming Stäbler/ GEOMAR	The Digital Earth Viewer - Alpha version: Creating infrastructure for an interactive exploration tool of 4D Earth science data	
	Patrick Michaelis/ GEOMAR	A workflow for deep learning on vector and raster data - finding levees and bombs	
	Kai Schröter/ GFZ	Data integration for advanced flood impact indicators	
	Lennart Marien et al., HZG/GERICS	Machine Learning to model Health Impacts of Climate Change: Heat Waves and Myocardial Infarctions in Augsburg	



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	WEDNESDAY – 27th May 2020				
9:00-10:20	Diana Rechid, HZG/GERICS Introduction & Moderation	Evaluation of success – Stories to tell			
	Nike Fuchs/ AWI	World Café Results			
	Laurens Bouwer & Diana Rechid/ HZG/GERICS	Evaluation Plans in 2020/2021			
	Andreas Petzold et al./ FZJ	ENVRI-FAIR und FAIRness assessment methodology			
10:20-10:30	Virtual Coffee Break				
10:30-11:15	Stephan Frickenhaus/ AWI	 Sustainable Collaboration Structures in support of Digital Earth Digital Earth in PoF-IV Next steps in organization and communication 			
11:15-13:00	Bruno Merz/ GFZ	Show Case Flood Intro by Bruno Merz Where are we standing? Links between workflows? What is next? What do we do if a severe flood hits Germany?			

Digital Earth 2nd Annual Meeting Program

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THURSDAY – 28th May 2020				
09:00-10:30	Roland Ruhnke/KIT & Jens Greinert/ GEOMAR	Methane Show Case presentations to show possible links with Flood show case Presentation of different tool boxes Intro to methane show case: List of scientific questions		
	Mahyar Valizadeh/ HMGU	Point-2-space; examples from the ocean		
	Andrey Vlasenko/ HZG	ML based data extrapolation-examples from the atmosphere		
	Sebastian Grayek/ HZG	How to re-grid		
	Christian Scharun/ KIT	Pattern algorithm - linking CO, C ₂ H ₆ , C ₃ H ₈ with CH ₄		
	ALL	 Open discussion round on how to link Show Case A and B Which software languages and applications do we use? Flood Event Explorer - Digital Earth Viewer synergies in DE with respect to viewers → link to DataHUB Links between Workflows approaches of both show cases How to live a common software frame work? - Sharing ideas and approaches Goals for outcomes and tools for the final phase of Digital Earth 		
10:30-10:45	Virtual Coffee Break			
10:45-11:45	David Greenberg/ HZG & Tobias Weigel/ DKRZ	HAICU-AIM Projekt in Earth & Environment		
11:45-12:00	Jens Greinert/ GEOMAR	Closing		
12:00		End of the meeting		