

Geospatial Sensing | Virtual 2020 Program

Monday, August 31st

Day 1: Tutorial Sessions

08:30 - 09:30	Check In/ Service Desk	
09:30 - 11:00	Introduction to Sensor Web Technologies <i>(Simon Jirka, 52°North)</i>	Web Processing - Standardization and Cloud Concepts <i>(Matthes Rieke, Benjamin Pross 52°North)</i>
11:00 - 11:30	Virtual Coffee Break	
11:30 - 13:00	Accessing environmental time-series data for data analysis <i>(Benedikt Gräler, 52°North)</i>	Sensor Data Streams in ArcGIS <i>(Thomas Paschke, Esri)</i>
13:00 - 14:00	Lunch	
14:00 - 15:30	Analyzing Multi-Variable Earth Observation Data Cubes <i>(Marius Appel, University of Münster)</i>	Introduction to FME-based Data Processing Services <i>(Marcel Sprotte, con terra)</i>
20:00	Icebreaker	

Tuesday, September 1st

Day 2: Conference

08:30 - 09:00	Check In/ Service Desk	
09:00 - 09:15	Welcome and Introduction	
09:20 - 09:50	Keynote: Enable true multidisciplinary applications in the emerging research e-infrastructures through geospatial standards <i>Joan Masó (CREAF, Ecological and Forestry Applications Research Centre)</i>	
09:55 - 10:15	API4INSPIRE: Facilitating access to INSPIRE data through standard-based Application Programming Interfaces <i>Jürgen Moßgraber (Fraunhofer IOSB)</i>	
10:20 - 10:40	Using IoT standard for push-based communication of hydrological data <i>Christian Malewski (Wupperverband)</i>	
10:45 - 11:05	Open and Standardized Technologies for Accessible Smart Farming <i>David Gackstetter (TU München)</i>	
11:05 - 11:30	Virtual Coffee Break	
11:35 - 11:55	Distributed services for enabling the automated processing of Big Earth Observation Data <i>Sebastian Drost (Hochschule Bochum)</i>	
12:00 - 12:20	Synergetic use of Planet data and high-resolution aerial images for windthrow detection based on Deep Learning <i>Melanie Brandmeier (Esri Deutschland)</i>	
12:25 - 13:00	Flash talks @5 Min Building an API for real time transit data <i>(Dennis Wilhelm, con terra)</i> TISDAR - The Thünen-Institute Spatial Data Repository <i>(Florian Hoedt, Thünen Institute)</i> Monitoring in-situ ocean water quality in South Africa: An OGC SensorThings application <i>(Derek Hohls, CSIR)</i> Seamless Integration of Pixel Time Series in the Sensor Web <i>(Benedikt Gräler, Eike Hinderk Jürrens 52°North)</i> <i>(Marius Appel, IfGI, University of Münster)</i>	
13:00 - 13:55	Lunch Break	
14:00 - 14:20	Containerized Web Processing Services – Why you want that (and why not) <i>Nils Brinckmann (GFZ)</i>	
14:25 - 14:45	How to evaluate and reduce the complexity of geospatial provenance graphs? <i>Arne Rümmler (TU Dresden)</i>	
14:50 - 15:10	Predicting into unknown space? Estimating the area of applicability of spatial prediction models <i>Hanna Meyer (IfGI, University of Münster)</i>	
15:15 - 15:35	Cloud-based web service for outlier analysis in environmental time series served via SOS <i>Doron Goldfarb (Environment Agency Austria (EAA))</i>	

15:35 - 16:00	Virtual Coffee Break
16:05 - 16:25	An Automated Assessment of the FAIRness of Research Data <i>Anusuriya Devaraju (MARUM - University of Bremen)</i>
16:30 - 16:50	Supporting Spatio-temporal Data Exploration with Intuitive and Efficient Visualizations <i>Christin Henzen (TU Dresden)</i>
16:55 - 17:15	Interoperable Provision of Research Vessel Tracking Data via OGC SensorThings API and Sensor Observation Service <i>Christian Autermann (52°North)</i>
17:15- 17:25	Closing Statement <i>Simon Jirka (52°North)</i>

Wednesday, September 2nd

Day 3: Workshop: Research Data Infrastructures - A means for collaboration science

08:30 - 09:00	Check In/ Service Desk
09:00 - 09:10	Welcome and Introduction <i>Andreas Wytzisk-Arens (Hochschule Bochum)</i>
09:10 - 09:30	The NFDI4Earth journey: Diversity and common ground in Earth System Sciences <i>Peter Braesicke (Karlsruher Institut für Technologie - IMK-ASF)</i>
09:30 - 09:50	NFDI4Agri - Unlocking the agricultural data silos <i>(Florian Hoedt, Thünen Institute)</i>
09:50 - 10:05	Brief statements/contributions from attendees
10:05 - 10:50	Open Discussion
10:50 - 11:00	Wrap Up <i>Andreas Wytzisk-Arens (Hochschule Bochum)</i>