

Geospatial Sensing | Virtual 2020 Program *(Draft)*

Monday, August 31st

Day 1: Tutorial Sessions

08:30 - 09:30	Check In	
09:30 - 11:00	Introduction to Sensor Web Technologies (Simon Jirka)	Web Processing - Standardization and Cloud Concepts (Matthes Rieke)
11:00 - 11:30	Vrtual Coffee Break	
11:30 - 13:00	Accessing environmental time-series data for data analysis (Benedikt Gräler)	TBA (Esri)
13:00 - 14:00	Lunch	
14:00 - 15:30	Analyzing Multi-Variable Earth Observation Data Cubes (Marius Appel)	Introduction to FME-based Data Processing Services (Marcel Sprotte)
15:30 - 16:00	Vrtual Coffee Break	
16:00 - 17:30	Esri Development Center Meeting (TBC)	
20:00	Icebreaker	

Tuesday, September 1st

Day 2: Conference

08:45 - 09:00	Check in	
09:00 - 09:15	Welcome and Introduction	
	Keynote: Enable true multidisciplinary applications in the emerging research e-infrastructures through geospatial standards	
09:15 - 09:45	<i>Joan Masó (CREAF, Ecological and Forestry Applications Research Centre)</i>	
	API4INSPIRE: Facilitating access to INSPIRE data through standard-based Application Programming Interfaces	
09:45 - 10:05	<i>Jürgen Moßgraber (Fraunhofer IOSB)</i>	
	Using IoT standard for push-based communication of hydrological data	
10:05 - 10:25	<i>Christian Malewski (Wupperverband)</i>	
10:25 - 10:45	Open and Standardized Technologies for Accessible Smart Farming	
	<i>David Gackstetter (TU München)</i>	
10:45 - 11:15	Virtual Coffee Break	
	Distributed services for enabling the automated processing of Big Earth Observation Data	
11:15 - 11:35	<i>Sebastian Drost/ Arne Vogt (Hochschule Bochum)</i>	
	Synergetic use of Planet data and high-resolution aerial images for windthrow detection based on Deep Learning	
11:35 - 11:55	<i>Melanie Brandmeier (Esri Deutschland)</i>	
	Flash talks @5 Min	
11:55 - 12:30	Building an API for real time transit data (<i>Dennis Wilhelm, con terra</i>)	
	TISDAR - The Thünen-Institut Spatial Data Repository (<i>Florian Hoedt, Thünen Institute</i>)	

	SensorThings API Developments at CSIR (<i>Derek Hohls, CSIR</i>)
	MuDak-WRM (<i>Benedikt Gräler, 52°North</i>)
12:30 - 13:30	Lunch Break
	Containerized Web Processing Services – Why you want that (and why not)
13:30 - 13:50	<i>Nils Brinckmann (GFZ)</i>
	How to evaluate and reduce the complexity of geospatial provenance graphs?
13:50 - 14:10	<i>Arne Rümmler (TU Dresden)</i>
	Predicting into unknown space? Estimating the area of applicability of spatial prediction models
14:10 - 14:30	<i>Hanna Meyer (IfGI, University of Münster)</i>
	Cloud-based web service for outlier analysis in environmental time series served via SOS
14:30 - 14:50	<i>Doron Goldfarb (Environment Agency Austria (EAA))</i>
14:50 - 15:20	Virtual Break
	An Automated Assessment of the FAIRness of Research Data
15:20 - 15:40	<i>Anusuriya Devaraju (MARUM - University of Bremen)</i>
	Supporting Spatio-temporal Data Exploration with Intuitive and Efficient Visualizations
15:40 - 16:00	<i>Christin Henzen (TU Dresden)</i>
	Interoperable Provision of Research Vessel Tracking Data via OGC SensorThings API and Sensor Observation Service
16:00 - 16:20	<i>Christian Autermann (52°North)</i>
	Closing Statement
16:20 - 16:40	<i>Simon Jirka (52°North)</i>
	Wednesday, September 2nd
	Day 3: Research Data Management Workshop
	Research Data Infrastructures - A means for collaboration in research
09:00 - 11:00	<i>Moderator: Andreas Wytzisk-Arens (Hochschule Bochum)</i>