

## Preface

Earth observation networks deliver a multitude of data capturing the state of the earth. The data sets delivered are of high value for scientists and other stakeholders from various domains and backgrounds. To facilitate access and integration of those data sets, Sensor Web technologies are becoming increasingly popular.

Observation data that can be handled in Sensor Web infrastructures may cover a broad variety of types. These range from air quality measurements, hydrological data and weather observations, to data collected by sea buoys or even complex autonomous systems, such as sea gliders or satellites.

Under the motto “Geospatial Sensor Webs”, the 52°North Open Innovation Network has organized a forum in which Sensor Web researchers and practitioners presented and discussed their ideas, use cases and solutions.

The Geospatial Sensor Webs Conference 2016 continued the series of workshops on Sensor Web technologies, which started in 2013. For the first time, the 2016 edition included a conference track complementary to the workshop presentations.

These proceedings contain the accepted and presented papers of the conference track of the Geospatial Sensor Webs Conference 2016. Of the nine conference papers submitted, eight were accepted.

The program committee consisted of the following members:

- Lars Bernard, Technische Universität Dresden, Germany
- Rolf de By, University of Twente (ITC), The Netherlands
- Eric Delory, Plataforma Oceánica de Canarias (PLOCAN), Spain
- Joaquin del Rio, Universitat Politècnica Catalunya (UPC), Spain
- Sylvain Grellet, The French Geological Survey (BRGM), France
- Simon Jirka, 52°North, Germany,
- Eva Klien, Fraunhofer IGD, Germany
- Lammert Kooistra, Wageningen University, Germany
- Alexander Kotsev, European Commission - Joint Research Centre (JRC), Italy
- Rob Lemmens, University of Twente (ITC), The Netherlands
- Christian Malewski, Wupperverband, Germany
- Stefano Nativi, The National Research Council (CNR), Italy
- Jay Pearlman, IEEE, USA
- Edzer Pebesma, Institute for Geoinformatics, Münster University (ifgi), Germany
- Olav Peeters, Belgian Interregional Environment Agency (IRCEL - CELINE), Belgium
- Ulrich Raape, DLR Earth Observation Centre, Germany
- Dick Schaap, Marine Information Service (MARIS BV), The Netherlands
- Christoph Stasch, 52°North, Germany
- Christoph Waldmann, Bremen University (Marum), Germany
- Andreas Wytzisk, Bochum University of Applied Sciences, Germany

Dr. Simon Jirka, Conference Chair

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