

## 52° North Sensor Web Community Publications 2014

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This document provides a list of publications addressing 52°North software/architecture developments and concepts from members of the 52°North communities. It also provides an overview of talks and presentations given at various conferences, workshops and seminars.

### OGC

#### Best Practices

Andres, V., Jirka, S. & M. Utech (2014): OGC Best Practice: OGC Sensor Observation Service 2.0 Hydrology Profile (OGC 14-004r1). Wayland, MA, USA, Open Geospatial Consortium Inc.

EO2HEAVEN Consortium (2014): OGC Best Practice: Best Practice for Sensor Web Enablement: Provision of Observations through an OGC Sensor Observation Service (SOS) (13-015). Wayland, MA, USA, Open Geospatial Consortium Inc.

#### Engineering Reports

Bröring, A., Jirka, S., Rieke, M., & B. Proß (2014): OGC Public Engineering Report: [OGC® Testbed-10 CCI VGI Engineering Report](#) (OGC 14-016). Wayland, MA, USA, Open Geospatial Consortium Inc.

#### Discussion Papers

GEOWOW Consortium (2014): OGC Discussion Paper - OGC Sensor Observation Service 2.0 Hydrology Profile (OGC 14-004). Wayland, MA, USA, Open Geospatial Consortium In c.

### Conference Proceedings

Jirka, S., Remke, A., Bröring, A. & M. Rieke (2014): Erfüllung von INSPIRE-Verpflichtungen zu Anhang II und III-Themen mit Hilfe von Sensor Web-Technologie. 34. Wissenschaftlich-Technische Jahrestagung der DGPF, 62. Deutscher Kartographentag der DGfK, Geoinformatik 2014 der GfGI und des GIN, Hamburg, Germany, Deutsche Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation (DGPF) e.V.

### Conferences and Workshops

#### Tenth Plenary Session of the Group on Earth Observations (GEO-X) & Geneva Ministerial Summit

Jirka, S. (2014): GEOWOW Enhancements for Weather Forecasting and River Discharge Data. GEO-X Plenary and 2014 Ministerial GEO Summit - European Stand - Speakers' Area. January 15 - 17, 2014. Geneva, Switzerland.

## Apps for Ghent 4

Peters, O. (2014): SOS for air quality and JavaScript SOS client. Apps for Ghent Workshop, May 5, 2014, Ghent, Belgium.

## Map.apps Days 2014

Jirka, S. (2014): Sensor-Schnittstelle für map.apps. map.apps Days 2014, February 18, 2014. Münster, Germany

## smeSpire Seminar - Introduction to Sensor Web Enablement

Jirka, S. (2014): Introduction to Sensor Web Enablement. March 12, 2014 Leuven-Heverlee, Belgium.

## FOSSGIS 2014

Jirka, S. (2014): Workshop "Sensor Web and Smart Cities". FOSSGIS 2014, March 19 - 21, 2014, Berlin, Germany.

## Geoinformatik 2014

Jirka, S., Remke, A. & A. Bröring (2014): Erfüllung von INSPIRE-Verpflichtungen zu Anhang II und III-Themen mit Hilfe von Sensor Web-Technologie. Geoinformatik 2014, March 26 - 28, 2014, Hamburg, Germany.

## EGU General Assembly 2014

Santoro, M., Schlummer, M., Andres, V., Jirka, S., Looser, U., Mladek, U., Pappenberger, F., Strauch, A., Utech, M. & E. Zsoter (2014): Interoperability challenges in river discharge modeling. EGU General Assembly 2014, April 27 - May 2, 2014, Vienna, Austria.

## INSPIRE Conference 2014

Jirka, S., Kotsev, A., Lutz, M., Rieke, M., Smith, R. & P. Smits (2014): Using the OGC SOS as INSPIRE Download Service for Observation Data. INSPIRE Conference 2014, June 18, 2014, Aalborg, Denmark.

Jirka, S., Kotsev, A., Lutz, M., Rieke, M., Smith, R. & P. Smits (2014): Workshop - The Sensor Observation Service as INSPIRE Download Service for Sharing Observation Data. INSPIRE Conference 2014, June 16, 2014, Aalborg, Denmark.

## FOSS4G Europe 2014

Jirka, S. (2014): An Open Source SOS-Based INSPIRE Download Service Implementation. FOSS4G Europe 2014, July 15 - 17, 2014, Bremen, Germany.

Nüst, D., Rieke, M., & P. Breen (2014): Javascript Client Libraries for the (Former) Long Tail of OGC Standards. FOSS4G Europe 2014, July 15 - 17, 2014, Bremen, Germany.

Nüst, D. & T. Bartoschek (2014): Teaching Software Development with Open Source, GitHub, and Scrum. FOSS4G Europe 2014, July 15 - 17, 2014, Bremen, Germany.

## HIC 2014

Andreas, V., Jirka, S., Schlummer, M., Bredel, H., Utech, M., Strauch, A., Buskamp, R. & U. Looser (2014): Interoperability Between GRDS's Data Holding and the GEOSS Infrastructure. 11th [International Conference on Hydroinformatics](#), August 17 - 21, 2014, New York City, New York, USA.

## INTERGEO 2014

Jirka, S. (2014): Sensor Web and Pegel Data in OpenSeaMap. Open Source Park, INTERGEO 2014, October 9, 2014, Berlin, Germany.

## Sea Tech Week 2014

Jirka, S., Delory, E., Toma, D.M. & J. del Rio (2014): A Sensor Web Architecture for Sharing Oceanographic Sensor Data. The 9th Marine Science Conference - "[Sea Tech Week](#)", October 13 - 17, 2014, Brest, France.

Delory, E., Toma, D. M., del Rio, J., Jirka, S. & J. Pearlman (2014): Smart Electronic Interface for Web Enabled Ocean Sensor Systems. The 9th Marine Science Conference - "[Sea Tech Week](#)", October 13 - 17, 2014, Brest, France.

## Workshop on the Use of GIS/OGC Standards in Meteorology

Jirka, S. (2014): The OGC SOS as INSPIRE Download Service for (meteorological) Observation Data. The [5th Workshop on the Use of GIS/OGC Standards in Meteorology](#). October 28 - 30, 2014, Offenbach, Germany.

## AGU Fall Meeting

Read, J. S., Winslow, L. A., Nüst, D., De Cicco, L. & J. Walker (2014): A suite of R packages for web-enabled modeling and analysis of surface waters. In: AGU Fall Meeting. Session H44D: Open-Source Tools and Software Development for the Hydrological Sciences