



52° North

Introduction

SeaDataCloud - Kickoff Meeting - Riga (Latvia), 30th November 2016

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52° North GmbH

- Private company based in Münster (Germany)
- Non-profit organisation
- Principle partners



con·terra



- **Mission**
 - Bridging between research and practical application
 - Bring together partners from research, industry and application domains
- **Activities**
 - Research and development
 - Consulting
 - Software development
- **Staff: ca. 15**
- **Founded as a company in 2006**
- **All software developed within the research projects is published under open source licenses**

- Topics
 - Sensor Web (Enablement)
 - Web-based Geo-Processing (WPS)
 - Geostatistics (wps4R, sos4R, sensorweb4R)
 - Citizen Science
 - ...
- Domains
 - Marine
 - Air Quality
 - Hydrology
 - Traffic

- Current Research Projects
 - NeXOS (FP7)
 - FixO3 (FP7)
 - ODIP 2 (H2020)
 - BRIDGES (H2020)
 - ConnectinGEO (H2020)
 - WaterInnEU (H2020)
 - TaMIS (BMBF)
 - COLABIS (BMBF)
 - GLUES (BMBF)

Role in the Project

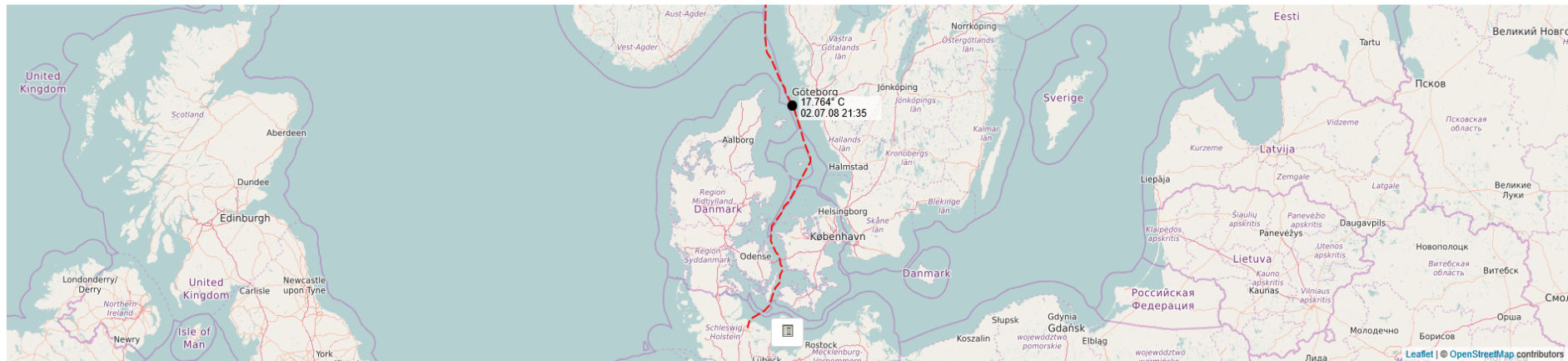
- Work Package Involvement
 - WP 2: 1 PM (project network activities)
 - WP 4: 0.5 PM (submission of standards and best practices to ISO, OGC, W3C, INSPIRE)
 - WP 8: 1 PM (governance of standards and development of common services)
 - WP 9: 6 PM (integrated online services for ingesting autonomous observatory data)
 - WP 10: 4 PM (development of SOS viewing services for operational data streams)

Helgoland

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Helgoland Diagram Map Trajectories Favorites Provider List selection Settings

TEMPERATURE FerryBox, Osl-Kiel
TEMPERATURE (° C)

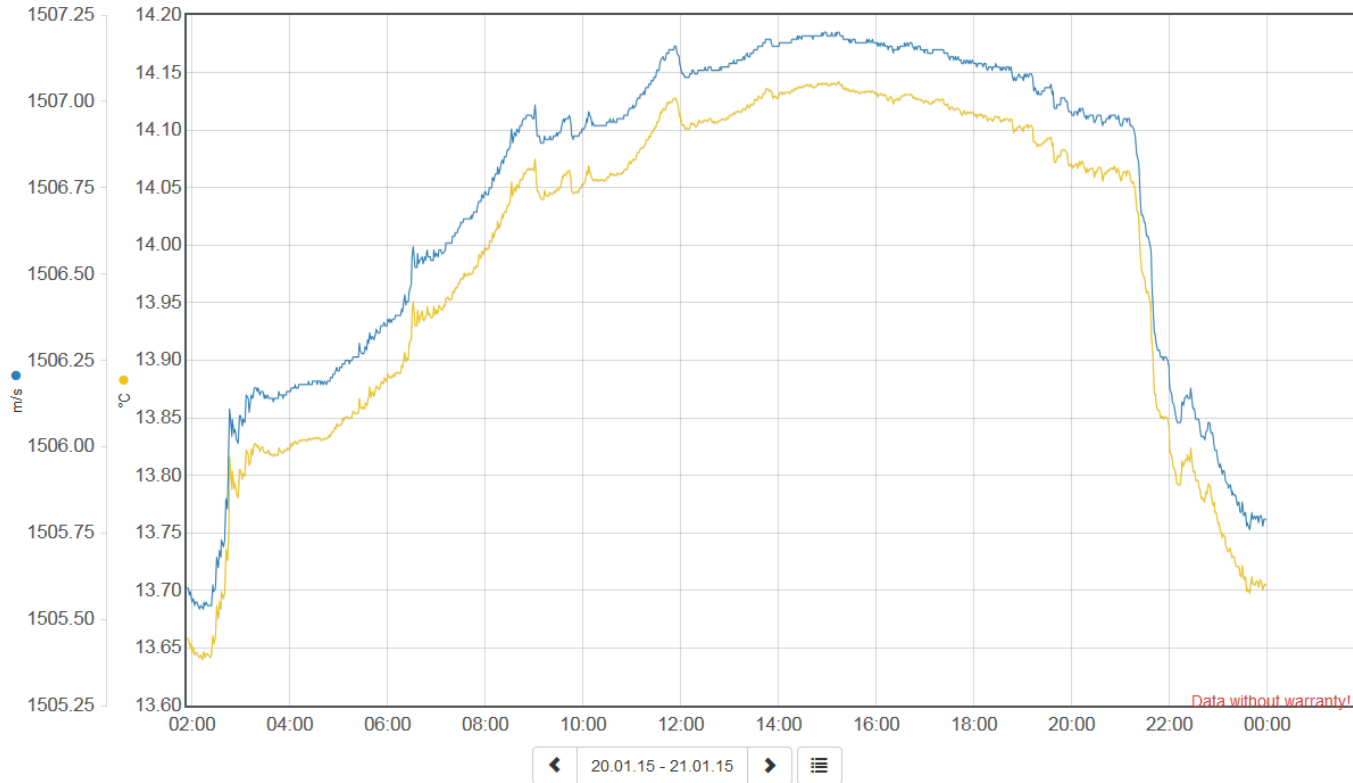


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- ★
- 📍
- ⚙️ Settings
- 🗺️ Map view



Legend

- OBSEA ☆
sea_water_temperature (°C)
qualityobsea_ctd01
- OBSEA ☆
sound_velocity (m/s)
qualityobsea_ctd01

The screenshot shows the smle web application interface. At the top, there is a navigation bar with logos for 52north, PLOCAN (CONSEJO REGULADOR PLATAFORMA OCEÁNICA DE CANARIAS), the Spanish Ministry of Economy and Competitiveness, the Government of the Canary Islands, the European Union, FixO3 (FIXED-POINT OPEN OCEAN OBSERVATORIES), and nexos. Below the navigation bar, the page title is "smle / smartii/ — The Friendly SensorML Editor". The main content area displays the "Sensor description for 0eb124f6-a291-55c7-730f-3cb5fea4b5d7". There are two tabs: "as Tree" (selected) and "as XML". The tree view shows a hierarchical structure of sensor metadata:

- ▶ Keywords
- ▶ Identification
- ▼ Classification
 - ▼ Classifier list
 - ▼ Classifiers
 - ▼ model
 - ▼ Label
 - "model"
 - ▼ Value
 - "EL Deep-Water Tiltmeter"
 - ▼ manufacturer
 - ▶ Definition
 - ▼ Label
 - "manufacturer"
 - ▼ Value
 - "Durham Geo Slope Indicator"
 - ▶ Code space
 - ▶ Type
 - ▶ Angular range
 - ▶ Scale factors
 - ▶ Resolution
 - ▶ Repeatability
 - ▶ Linearity
 - ▶ Temperature coefficient

At the bottom of the main content area, there are two buttons: "Edit sensor description" and "Copy sensor description".

Thank you very much for your attention!

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<http://52north.org>