



SeaDataCloud

SWE Ingestion Service

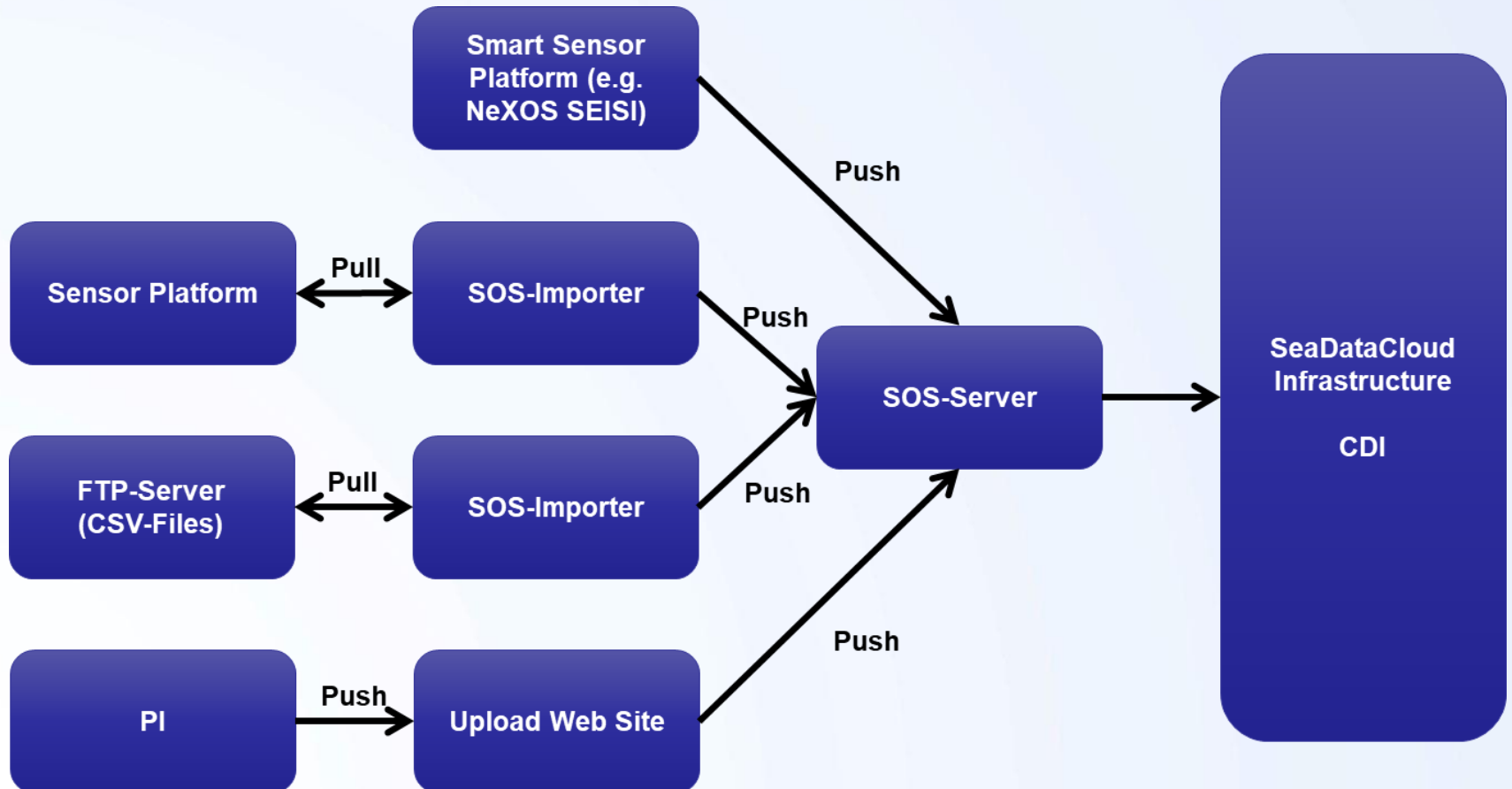
52°North

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Objectives

- Facilitate the publication of observation data (streams)
- Describe observatories (or networks of observatories)
- Ingestion service
 - Receive, decode and check data
 - Operated under the supervision of the PI of the observatories
 - Use SensorML descriptions of the observatories for data decoding
 - Accept SWE-based observation data streams

Overview

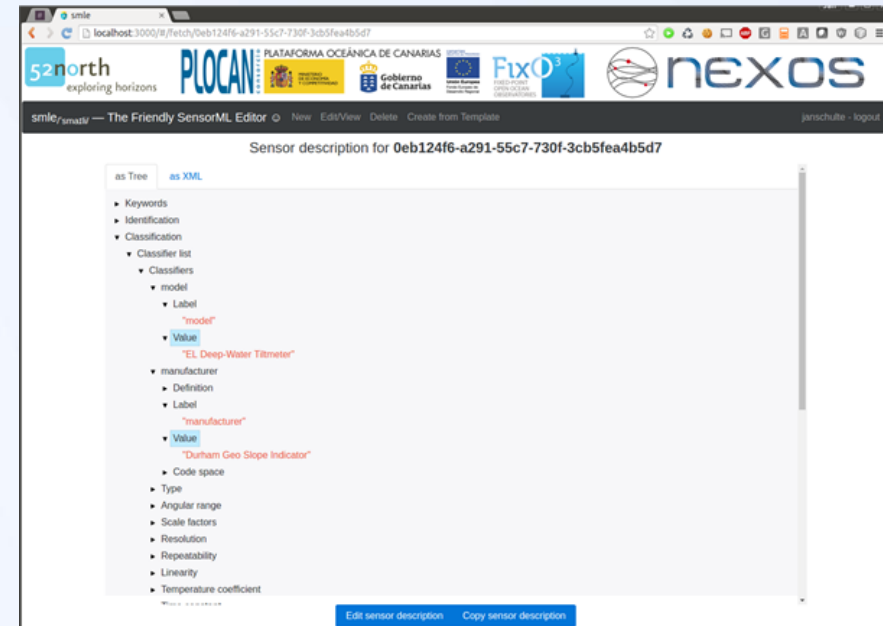


Pull-based Workflow

- Read data from different data sources and push to SWE Ingestion Service
- Description of commands of sensing devices for retrieving data
- Description of outputs of sensing devices or of (CSV) files containing observation data
- Based on SensorML

User Interface

- Editing sensor descriptions: smle
- Extended to support commands, outputs and vocabularies
- Full text search for stored sensor metadata documents



User Interface

- Feedback to Data Providers
- Relevant information
 - Details about successfully /unsuccessfully inserted sensors (metadata)
 - Amount of successfully/ unsuccessfully inserted observations
- This information shall be made accessible through a dedicated operation

Status and Next Steps

- Deliverable D9.9 has been submitted
- Next steps
 - Start implementation
 - Communicate with sensor operators to gather use-cases for pilot

Thank you for your attention!

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