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Type: **Speed presentation**

A Key INSPIRE Use case: WFD eReporting Revisited

Environmental reporting and policy making is part of INSPIRE'S DNA. There are several activities that investigate how the INSPIRE infrastructure can support this effectively. Among others, the European Environmental Agency is developing guidelines and tools for Noise Reporting, and has in the past provided an INSPIRE-based workflow for CDDA protected sites reporting.

MST, the Danish environmental protection agency, is currently launching a system in production that holds all data used for Water Framework Directive (WFD) reporting in a single PostgreSQL database. In the current workflow, the water framework team exports SHPs (geodata) and an Access database (measurements) from the PostgreSQL database. The reporting data is uploaded to EIONET and then transformed to XML by the EEA.

In 2019, MST and wetransform harmonized a wide range of data sets to create INSPIRE interoperable View and Download Services. The services cover relevant reference aspects for WFD:

- Surface water bodies
- Ground water bodies
- River basin districts/Sub units
- Protected Areas
- Environmental Monitoring Stations, with Measurements to be added in Q2/2020

Our goal was to implement a fully automated flow from the database, to reporting using INSPIRE compliant data and services. The dataflow includes static data as well as measurements. In this presentation, we will explain how that workflow was implemented, and which challenges we needed to overcome. We will also compare which advantages the different workflows have for reporting.

Sub-category

3.1 Environment

IJSDIR

No, I will not submit an article to IJSDIR

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