

## FAIR WISH project –Developing templates to register IGSNs for various sample types

The International Generic Sample Number (IGSN) is a unique and persistent identifier for –originally –geological samples. Recently, interest has grown to make the IGSN available for more sample types from further scientific communities from the Earth and Environment (E & E). The IGSN Metadata Schema is modular: The mandatory registration schema is complemented by the IGSN Description Schema and possible additional extensions by allocating agents. While the specific GFZ sample registration schema has been extended to include cores and drilling methods, we will extend it to also register water and vegetation sample types within the HMC project “FAIR Workflows to establish IGSN for Samples in the Helmholtz Association (FAIR WISH)” . Furthermore, we will use existing and controlled vocabularies, to make the registered data findable. More information on these controlled vocabularies can be found in the FAIR WISH D1 –List of identified linked open data vocabularies to be included in IGSN metadata (<https://doi.org/10.5281/zenodo.6787200>).

The templates to register IGSNs for samples should ideally fit to various sample types. In a first step, we created templates for samples from surface water and vegetation from AWI polar expeditions on land (AWI Use Case). We incorporated the two other FAIR WISH use cases with core material from the Ketzin coring site (Ketzin Use Case) and for a wide range of marine biogeochemical samples (Hereon Use Case) as well as further sample types from lakes and vegetation sites (AWI Use Case). These templates will be distributed for discussion and published within a wide range of E & E communities.

In our poster, we will present the templates and invite everyone to discuss the applicability to the various sample types. This discussion will go on in a dedicated user workshop in fall 2022.

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Tools

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FAIR WISH

IGSN

Template

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