Unlocking the Power of APIs: An Interactive Demonstration of a Federated Workspace for Marine (Meta)Data

In an interactive demonstration, we will showcase how already available APIs can be used to unlock the power of a federated workspace for marine research, allowing for collaboration and data sharing across multiple services and applications.

Through the use of APIs, distributed metadata-services, such as the AWI Sensor Registry and GEOMARs Ocean Science Information System, DSHIP systems aboard research vessels and onland can be connected with data streams and integrated into a single workspace, i.e. for example a Jupyter Notebook or a customised website. During the demonstration, attendees will learn how to use APIs of various services within MareHub - DataHub - DAM to enable collaboration across organisations and to streamline data workflows.

Attendees will have the opportunity to ask questions and provide feedback on the use and their needs of APIs in scientific data analysis and provisioning of up-to-date metadata. By the end of the demonstration, attendees will have a better understanding of how APIs can be used to unlock the power of a federated workspace, and how such a workspace can enhance collaboration and (meta)data sharing across multiple services and applications.

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Sitzung Einordnung: Poster session