

User-Customizable Map Visualizations in the Earth & Marine Data Portal - Demo

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The Earth Data and Marine Data portals provide user-friendly platforms for exploring earth and environmental data. They function as central hubs for decentralized cross-institutional data, enhancing discoverability through a centralized search function and interactive map visualizations. These portals receive support from the German Alliance for Marine Research (DAM) and the Helmholtz-funded DataHUB project.

Configurable map viewers facilitate the visual exploration of existing data products and the creation of personalized visual and interactive data collections. Users can easily log in through their institutional account via Helmholtz-AAI, eliminating the need for a separate account. This integration allows users to save personalized viewers in their profiles and share them. Users can generate a personal link to send to colleagues or create customized viewers for the public to showcase their research areas or projects.

The map viewers support the integration of existing OGC spatial services like WMS and WFS, a drawing function for geometries on the map, the import of GeoJSON files, and the customization of various filtering options. Different visualization options for metadata are available based on the data type, for example the option to visualize charts or media data as needed.

These features create a flexible and collaborative environment for researchers to effectively share their work, either within their research group or publicly on the internet as a showcase. This presentation will provide a brief introduction and a live demonstration on creating customized viewers.

Primary author: HESS, Robin (Alfred-Wegener-Institut)

Co-authors: KONOPATZKY, Peter (Alfred-Wegener-Institut); KRÄMMER, Christopher (Alfred-Wegener-Institut); WALTER, Andreas (Alfred-Wegener-Institut); ALBERS, Karen (Alfred-Wegener-Institut); KOPPE, Roland (Alfred-Wegener-Institut)

Presenter: HESS, Robin (Alfred-Wegener-Institut)

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