A Virtual Research Environment
For the Marine Sciences

Why & what?
Data is getting bigger, research is getting more cooperative – performing analyses on the cloud is the solution!

Technical Challenges?
Efficient data access across the web.
Integrating existing tools efficiently (very diverse in terms of technology, user interface, etc).

Approaches
The various services run in docker containers to enable integration of very different tools.

User interfaces can be diverse – GUI-based or Jupyter-Notebook-based or simple REST APIs.

Data is mounted via WebDAV into the container hosts.

Curious?
Talk to us or email us at buurman@dkrz.de and peter@maris.nl

The SeaDataCloud Virtual Research Environment: The Technical Perspective

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This project has received funding from the European Research Council (ERC) under the European Union’s Horizon 2020 research and innovation programme (grant agreement n° 730960.

JavaScript frontend handles login etc.