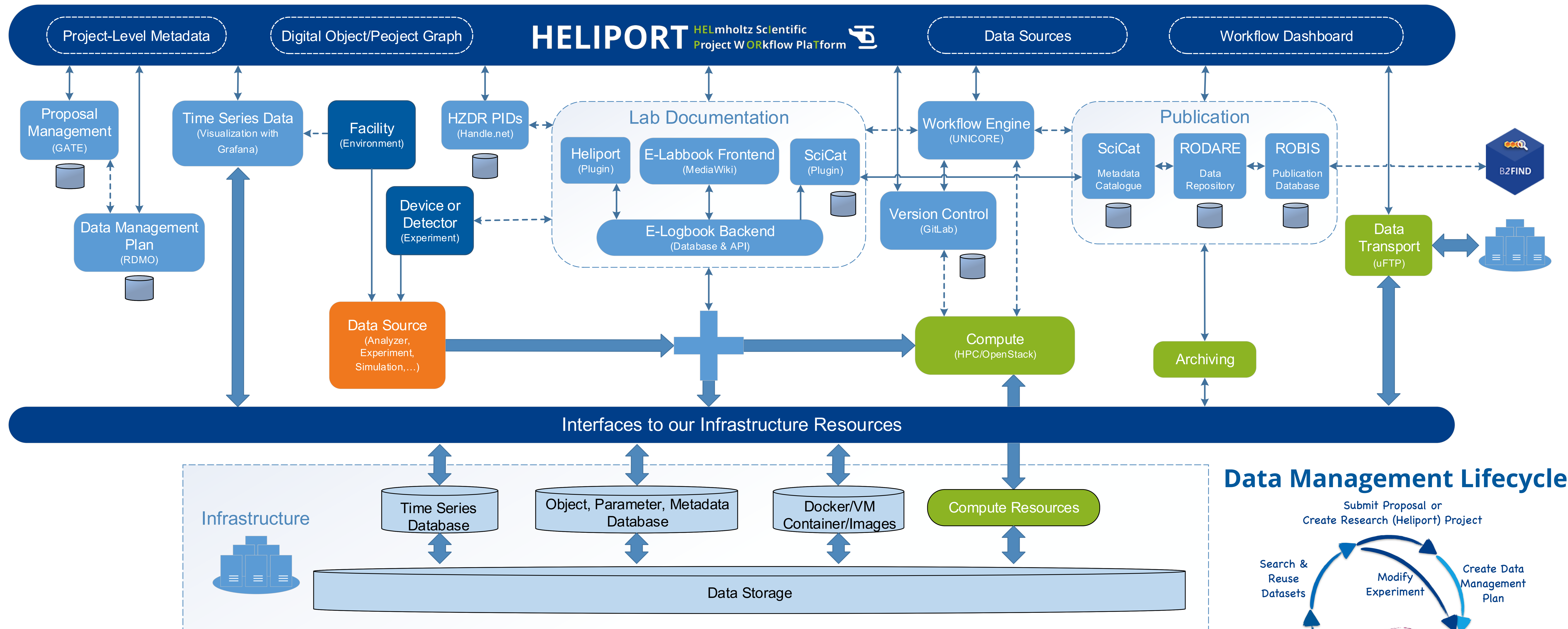


Integrated Research Data Management at HZDR

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Components

- **Guidance System HELIOPORT:** The overall future entry point for every (new) user to access tools and particular datasets in combination with our [Data Abstraction Layer](#).
- **Data Source:** Every experiment generates data, automatically combined with metadata from corresponding systems.
- **Data Transport:** Globus or Rucio for efficient data transport and replication.

- **Lab Documentation:** Contains all necessary data for documentation of the experiment itself. Three frontend systems views are supported:
 - **Media Wiki** view for individual Documentation,
 - **Heliport** view for project specific visualisation and
 - **SciCat** view for structured scientific metadata.
- **Version Control (GitLab):** Code repository for software and all files under version control.

- **Workflow Engine:** The recurrent execution of programs can be standardized and documented using workflows.
- **(Data) Publication:** At the end of the experiment datasets (raw data, results, surrounding ecosystem,...) can be published using Rodare — even software or workflows...