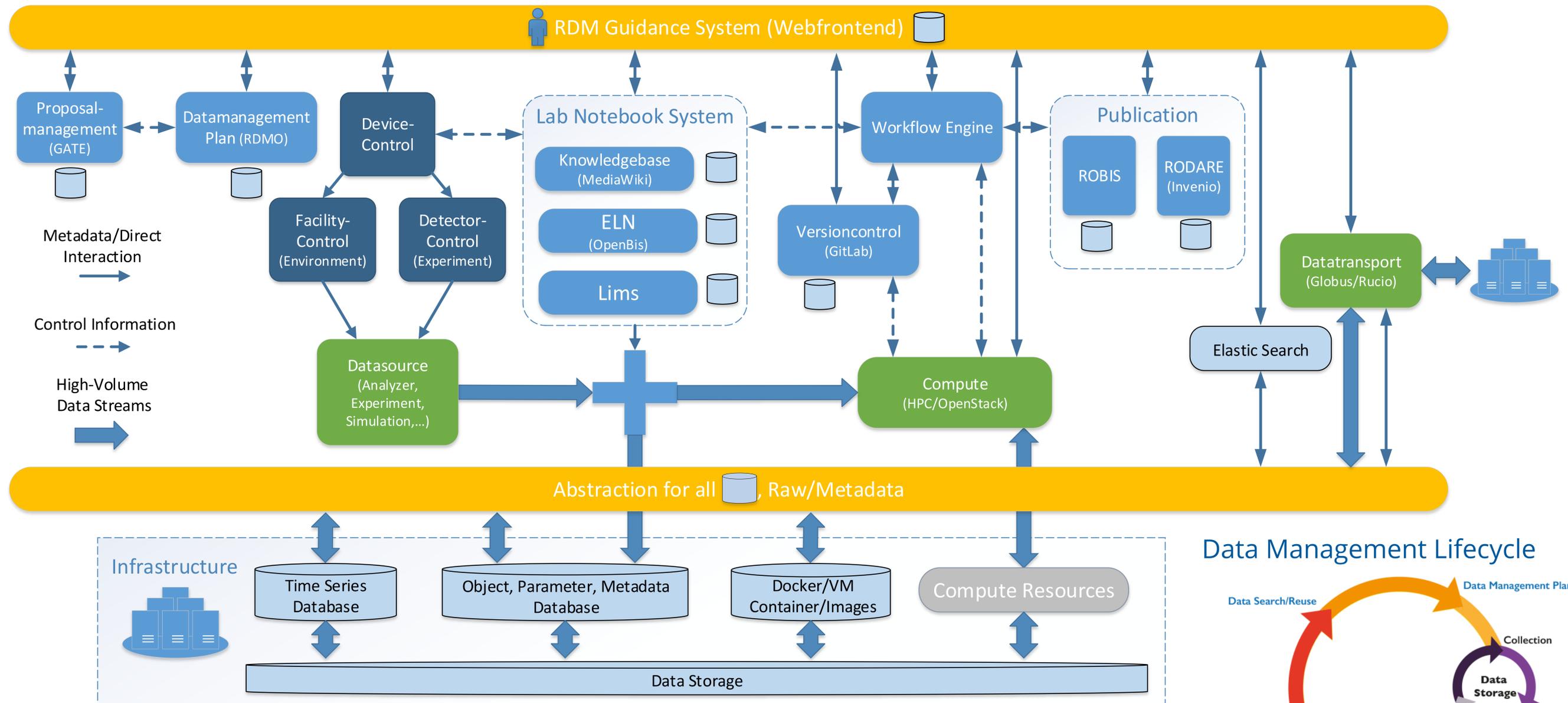
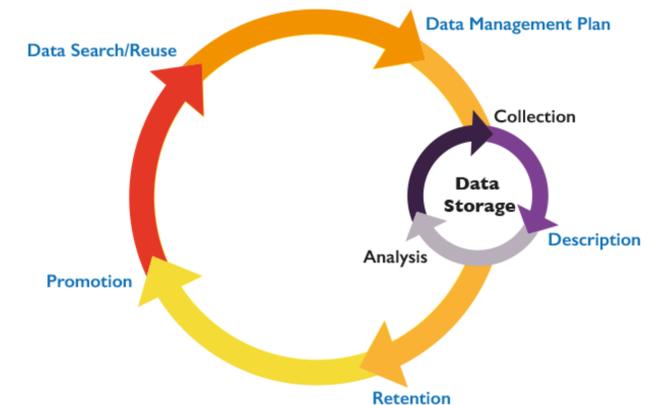


Architecture



Data Management Lifecycle



Components

- **RDM Guidance System:** The overall entry point for every (new) user (GATE and RDMO) 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 Notebook Systems:** Contains all necessary data for documentation of the experiment itself. Two systems are supported:

- OpenBis for structured Lab-Data and
- Media Wiki for individual Documentation.

- **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...