HELIPORT HELmholtz Scientific Project W ORkflow Pla Tform

HMC Welcome Meeting

April 2021
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The Problem

— Every (research) project uses various software services and systems.
— Making a project fully FAIR and comprehensible the documentation of these systems is desirable.

Our Idea

— Webservice guiding the scientist through the whole project lifecycle.
— Documentation of every step and linking of all involved system.
— Export an overall project lifecycle (metadata scheme) to create a more FAIR and comprehensible project description.
Our Project:

**HELIPORT**

**HELmholtz Scientific Project Workflow Platform**

**Key Aspects:**

- Easy integration of interfaces to existing infrastructure (e.g. repositories, proposal systems, cluster, ...).
- Development of a metadata schema to document and publish a complete research project lifecycle.
- Integration of computational workflows based on the Common Workflow Language (CWL) using UNICORE.
HMC Support and Integration

Support
— Landing page for our project with a link to a demonstrator, source code and documentation.
— Providing a central Helmholtz repository or archive with project lifecycles from various areas (generated using HELIPORT and our future project metadata scheme).

Linkage and integration
— Integration of other HMC projects (if possible) in the stages/nodes of our project lifecycle.
— Support other HMC projects with our project lifecycle metadata scheme.
The HELIPORT Project

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