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Poster: Across the jungle of services towards the temple of knowledge

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The relevance of sustainable handling of research data and software in accordance with FAIR principles was recognised early on at the Helmholtz-Zentrum Dresden - Rossendorf (HZDR). With this in mind, new (research) infrastructures such as the Invenio-based research data repository RODARE have been created step by step since 2017, tools such as the Research Data Management Organiser (RDMO) have been adapted and implemented at the centre and data and software policies have been agreed.

Since then, the interest groups and stakeholders have been facing up to the general challenges of research data management (RDM) such as multidisciplinary requirements, multi-stage processes or downstream consideration in the course of projects, especially the specific situation at the HZDR. Independence and cooperation between the individual institutes go hand in hand at the centre. The resulting extensive range of scientific topics means that very specific requirements are repeatedly brought to the FDM, which have a major influence on the concrete design of the solution approaches.

The HZDR has recognised the paramount importance of knowledge transfer in the RDM and has made important conceptual decisions to meet the aforementioned challenges in an agile manner. The RDM team of the library and the "Computational Science" department bundles the activities of all other important players (including "Programme Planning and International Projects", IT Infrastructure, Technology Transfer and Legal Department) around the topic. Joint developments result in measures to meet the requirements (metadata, transfer, documentation, guidelines, etc.) through the coordinated interaction of technical tools (further development of RODARE, integration of FIS and RODARE, HZDR Cloud, HELIPORT dashboard project, automated software publication via HERMES, GitLab, documentation in HZDR's internal MediaWiki, etc.) and services (training, workshops, consultations).

In order to make the offered tools and services even better known and to implement them at the individual points of the research/publication cycle, the HZDR intranet will be redesigned as an important knowledge transfer platform for the individual value creation processes along the data life cycle and create clear and easy-to-use options for direct contact between science and service providers. The holistic approach chosen is intended to help shape all facets of Open Science in a sustainable way and actively meet future requirements.

The poster is intended to invite constructive dialogue and serve as a source of inspiration for consistent further developments in RDM.

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