

The Helmholtz Kernel Information Profile - FAIR Digital Objects for the Helmholtz Association

In the concept of FAIR Digital Objects, PID Kernel Information is key to machine actionability of digital content. The PID Kernel Information is directly stored in the PID record in the database of the PID resolution service. One of the most important properties is the Data Type that allows PID Kernel Information to be used by machines for fast decision-making. To make a first step into the direction of standardizing PID Kernel Information, the RDA Working Group on PID Kernel Information has defined a first proposal of a core Kernel Information Profile (KIP). Among other aspects, the group defined a list of seven guiding principles, helping to decide on which information could be part of a KIP and which information should be stored elsewhere.

In order to reach the goals of HMC, to make the depth and breadth of research data produced by Helmholtz Centres findable, accessible, interoperable, and reusable (FAIR) for the whole science community, a common Helmholtz KIP has been agreed on serving as basis for all FAIR Digital Objects created in the context of HMC. This poster describes the Helmholtz KIP and elaborates on decisions leading to differences compared to the core KIP recommended by the RDA. While remaining mostly compatible with the RDA core KIP, the Helmholtz KIP adds some additional properties that satisfy the multidisciplinary research fields of the Helmholtz Association. Thus, it serves as a good starting point for rolling out the FAIR Digital Object concept over all Research Data Management Infrastructures of the Helmholtz Association and beyond.

In addition, the poster provides a first impression of a demonstrator, which is currently under development and should serve as a showcase.

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FAIR Digital Objects PID

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