

FAIR Digital Object Lab for your research

The FAIR Digital Object Lab is an extendable and adjustable software stack for generic FAIR Digital Object (FAIR DO) tasks. It consists of a set of interacting components with services and tools for creation, validation, discovery, curation, and more.

Preprocessing data for research, like finding, accessing, unifying or converting, takes up to 80% of research time spans. The FAIR (Findability, Accessibility, Interoperability, Reusability) principles aim to support and facilitate the reuse of data, and are therefore tackling this problem. A FAIR Digital Object (FAIR DO) capsules research data resources of all kinds (raw data, metadata, software, ...) so they are following the FAIR principles.

FAIR DOs are expressive, machine-actionable pointers to research data. As such, each FAIR DO points to one research data object. Additionally, they may link to other FAIR DOs, explaining their relations.

The creation and maintenance of FAIR DOs is not trivial, as their PIDs contain typed record information. They are meant to be machine-actionable, not human-readable. Easing the creation and maintenance of FAIR DOs, as well as making FAIR DOs searchable and human-accessible, are functions of the FAIR DO Lab.

We are developing an extendable research lab for FAIR DOs, called the "FAIR DO Lab". Its goal is to have a production-ready and configurable software stack, easing the development of FAIR-DO-aware tools and services by fostering the described use-cases. Additionally, generic tools related to FAIR research data management will be integrated. We already gained some experience by its predecessor, the FAIR DO Testbed, which was introduced at the RDA Virtual Plenary 17 Poster Session.

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Please assign your poster to one of the following keywords.

Tools

Please assign yourself (presenting author) to one of the stakeholders.

Data Infrastructure Provider

Please specify "other" (stakeholder)

In addition please add keywords.

FAIR Digital Object, Services, Tools

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