



FAIR Digital Object Fabric IG



Endorsed



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Achievements

- *Collection of project shares (reports from groups implementing FDOs)*
- *“FAIR DOs for pedestrians”:
Collection of elevator pitches and introduction materials (in progress)*



Aims and objectives

A FAIR Digital Object is a representation of research data and other digital assets that contains all information required for FAIRness. The IG aims at providing a communication and discussion platform for experts as well as novices exchanging experiences about the implementation and application of FAIR Digital Objects.




What's next?

Extension of the collections

- *Project Shares:*
<https://www.rd-alliance.org/group/fair-digital-object-fabric-ig/wiki/monthly-meetings>
- *Intro materials:*
<https://www.rd-alliance.org/group/fair-digital-object-fabric-ig/wiki/rda-ig-fair-digital-object-fabric>



@resdatall





How FAIR DOs Enable Interoperability

***IG FAIR Digital Object Fabric
(Rainer Stotzka)***

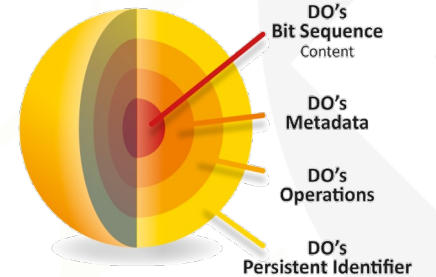
**P20
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FAIR Digital Object Concept

Overarching Representation of research data and other digital assets that contains all information required for **FAIRness**

- Data content
- Referenced and identified by a persistent ID
- Has properties described by metadata, e.g. type





FAIR Digital Object: Example Implementation



The representation contains at minimum an **Identifier** and an **Information Record** with the following properties:

- Identifier: *unambiguously assigned*, e.g. a PID
- Information Record: well and *unambiguously defined structure* containing a *minimum of information* entries or links pointing to the information:
 - identifier,
 - definition of the structure of the information record, e. g. profile,
 - type of the data,
 - link to the data, e. g. a PURL

PID Information Record

| PID | PID Profile | Type | Location URL | ... |
|-----|-------------|------|--------------|-----|
|-----|-------------|------|--------------|-----|

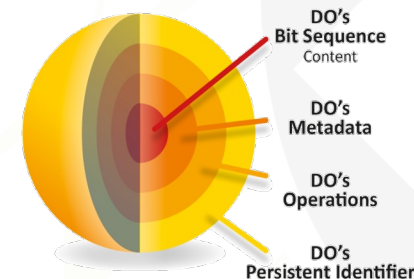




FAIR Digital Objects

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Concept

- General, simple, bridges borders
- Slow, based on consensus
- Long-lasting & sustainable
- Technology agnostic
- **Interoperable** and harmonized

Technical Implementation

- Technology
- Quick
- Dynamic, evolves over time
- Realistic
- Complex
- Manyfold





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