

# FAIR-DOscope

## Explore the facets of FAIR Digital Objects

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Working in the realm of FAIR Digital Objects can be very abstract and sometimes overwhelming. There are so many aspects which have to be addressed in order to create a first FAIR Digital Object. And if this is done, the only thing you get is a PID expected to be machine actionable by metadata available in its PID record. But which metadata is in there? Were all fields properly filled? Which relationships exist with other FAIR Digital Objects? For someone who is taking his/her first steps towards FAIR Digital Objects, answering these questions in an easy and user-friendly way is crucial to fulfill his/her task and FAIR-DOscope is supposed to give answers to these questions.

Input field accepts PIDs  
resolvable via handle.net  
and supports query history

Switch between  
interactive, type-based  
and plain cell rendering

Clear query history

Interactive PID Graph  
for navigating through  
an FDO hierarchy

Interactive cell rendering  
with resolved type  
names and links to  
external resources

Plain cell rendering  
example

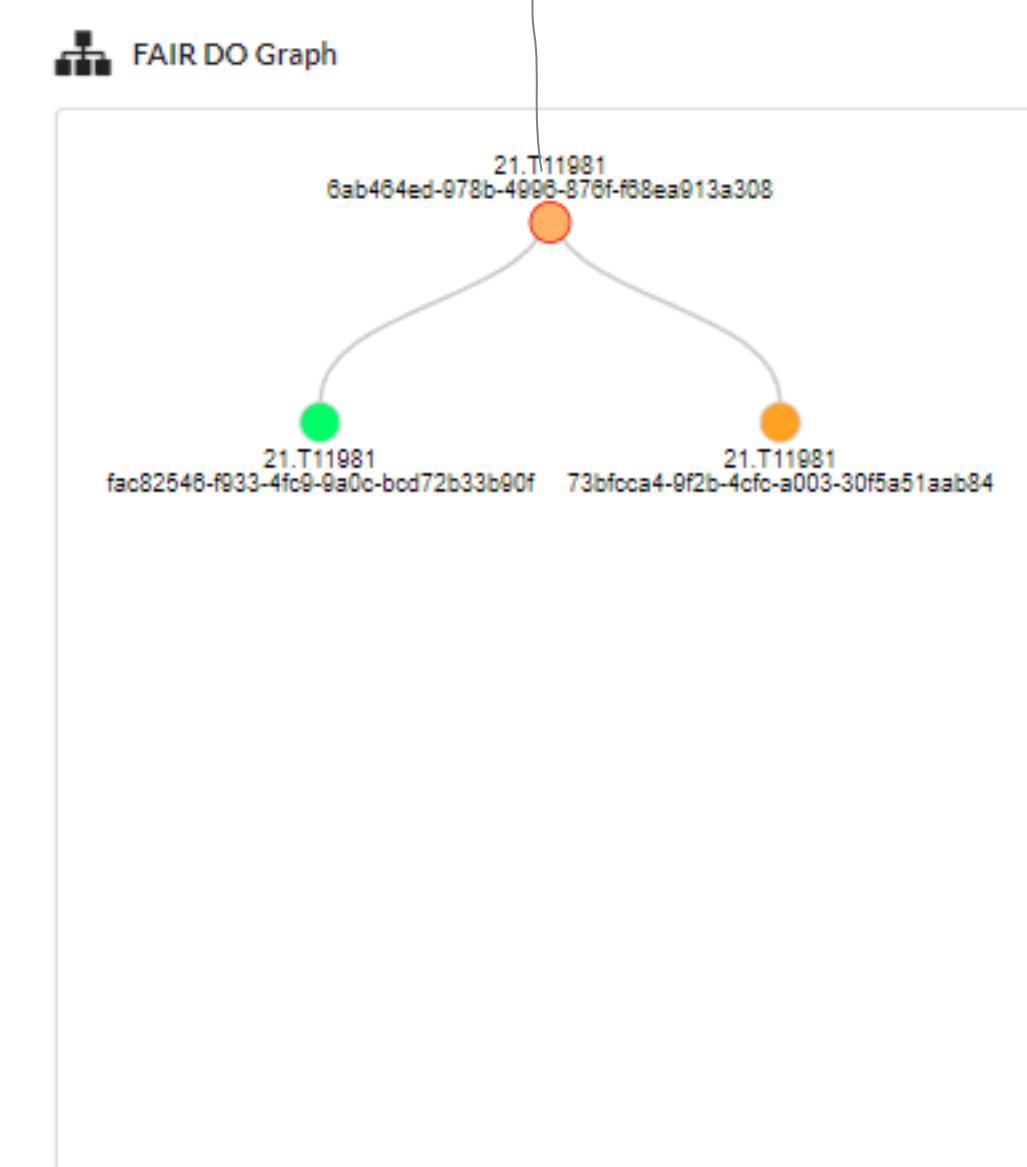
**FAIR-DOscope**  
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21T11981/6ab464ed-978b-4996-876f-f68ea913a308

Plain Record Interactive Record

**PID Information Record**

Index	Type	Value
1	kernelInformationProfile	21T11148/863d938d632b53d62d52
2	dateModified	2022-06-06T00:00:00+00:00
3	# checksum	1+ 0 2 3 "sha512sum": "653e87d97b3695aac75ef20f237cfc25b5cfff1e72ba0b5c5bec5ce0b7f33b0a0e29849c1bfcf082e6f9617a2d5c5ad1ac2b7d83db19477aba6ab25180dc9f"
4	dateCreated	20220605 19:48:04 UTC
5	digitalObjectLocation	https://b2share.eudat.eu/api/files/5fc88ad5-2f13-483c-8b80-a3862c91dbbb/Biological.tar#L7_dc3e2161576ff12aa04a2f6a4f7bb69a.jpg
6	21T11148/c692273deb2772da307f	1.0.0
7	21T11148/1c699a5d1b4ad3ba4956	21T11148/1a1e620666cb1713acde
8	21T11148/1c699a5d1b4ad3ba4956	21T11981/fac82546-f933-4fc9-9a0c-bcd72b33b90f
9	21T11148/2f314c8e5fb6a0063a8	https://creativecommons.org/licenses/by/4.0/
10	21T11148/d0773859091aeb451528	21T11981/73bfcca4-9f2b-4cfc-a003-30f5a51aab84
11	21T11148/1a73af9e7ae00182733b	https://www.scc.kit.edu/personen/14958.php
12	21T11148/1a73af9e7ae00182733b	https://www.scc.kit.edu/personen/12474.php
100	HS_ADMIN	



### Future Work

- Configurable backend-services,  
e.g., Data Type Registry, PID System
- Integration of FAIR Digital Object search
- Support for different FAIR Digital Object  
implementations
- ...and more...

