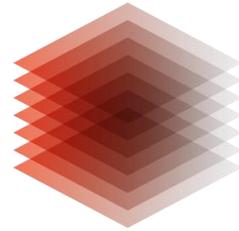


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TIB

Do researchers need to care about PID systems?

Angelina Kraft, <https://orcid.org/0000-0002-6454-335X>

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Girona, 23-24 January 2018
PIDapalooza



Our lineup

1. **Opening: Survey & Lessons Learned (view of a PID agency)**
2. **Main act: Researchers & PIDs**
3. **Fireworks: What is your opinion?**

TIB Survey

1400 scientists in the natural sciences & engineering (across Germany)

→ 73% of the researchers are using DOIs for journal articles

→ 11% use DOIs for research data

Have a look: data available at <https://doi.org/10.22000/54>

Why only journal articles?

- 56% answered that they don't know about the option to use DOIs for other publications (datasets, conference papers etc.)
- 57% stated no need for DOI counselling services
- 40% need more information
- 30% cannot see a benefit from a DOI

With the new digital age: new possibilities & struggles!

Have a look: <https://www.re3data.org/search>

Out of more than 2000 repository systems listed in re3data.org, only 767 (less than 38%!) state to provide a PID service, with 493 of them using the DOI system (as of 23rd Jan 2019)

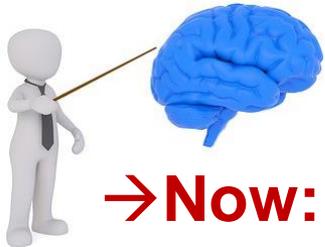
Lessons learned from 14 yrs DOI registration services

Communities: Variety of scientific & technical research objects

- Unique characteristics & life cycle
- Varying capability of accepting & managing new media formats
- **Essential: Trust**

Roles of infrastructure providers:

- Provide assurance & support for institutions on PID issues
- Upgrade! & facilitate workflows for indexing, cataloguing, digital preservation, PIDs, licensing
- Check provenance & provide data curation services
- Link PIDs to other research information such as project sites & CRIS
- Engage in communities, provide training & open educational resources



→ **Now: what do researchers need to know about PIDs?**

PIDs are everywhere:

Researcher IDs

ORCID Scopus®



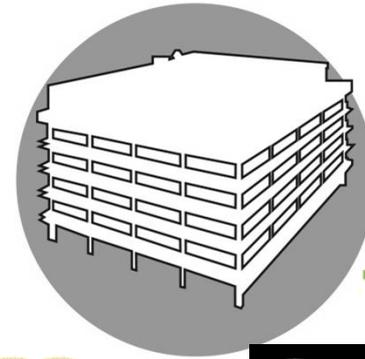
RESEARCHERID



THOMSON REUTERS



Organisation IDs, Funder IDs



fund ref

Ringgold
Identify

GRID

Resource IDs (articles, data, software, ...)



Handle.Net®

ARK (Archival Resource Key)

URN-SERVICE

PICHE – Persistent Identifiers for Cultural Heritage Entities

And even more new PIDs...

- Projects IDs
- Instrument IDs
- Ship cruise IDs
- Physical sample IDs,
- DMP IDs...

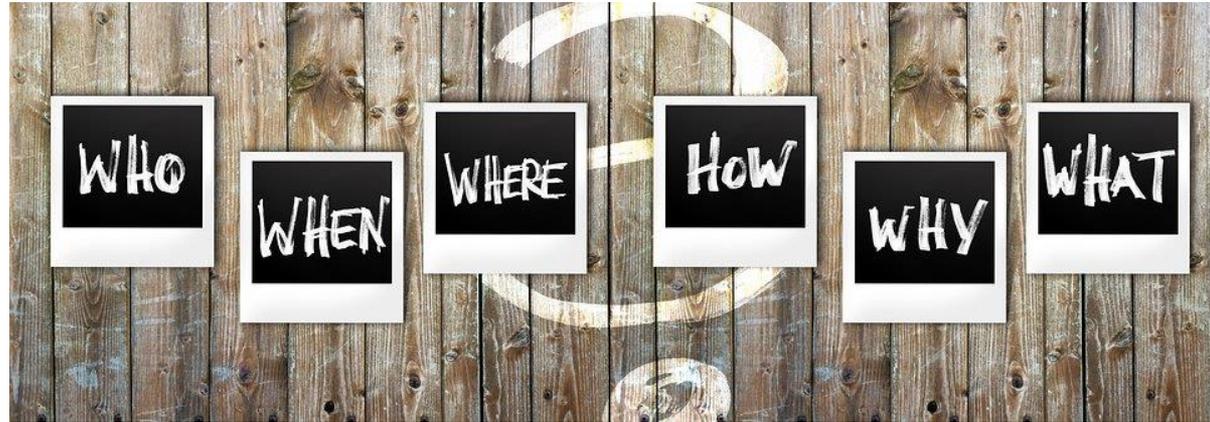
Answer: Do researchers need to care about PIDs? → YES!

But what do they need to KNOW about PIDs?

- Remember: For a scientist, it is about the project, equipment, DMP, researcher, funder, resource ...
- It is not about the PID. PIDs are infrastructure.
- In order to use PIDs, scientists do not need to know all about their whereabouts. A basic knowledge should be enough.

A PID is

- Provenance
- Metadata
- Policies & Guarantees
- Machine readability
- Metrics



Researchers should know that...

Provenance means validation & credibility – a researcher should comply to good scientific practices and be sure about what should get a PID (and what not).

Metadata is central to visibility and citability – metadata behind a PID should be provided with consideration.

Policies behind a PID system ensure persistence in the WWW - point. At least metadata will be available for a long time.

Machine readability will be an essential part of future discoverability – resources should be checked and formats should be adjusted (as far possible).

Metrics (e.g. altmetrics) are supported by PID systems.

PID 101 for Researchers (or: Resolving some PID myths)

- 1. A PID is a „long lasting reference to a digital resource“***
- 2. There are different sorts of PIDs & different uses, (e.g. for articles, data, persons, organizations, ...)**
- 3. PIDs are offered by organizations - Ask your institute/library**
- 4. You do NOT have to pay for PIDs (by yourself)!**
- 5. PIDs are mostly used for (persistent) citation – All published resources should have one**
- 6. A correct citation always includes a PID → look in your citation manager**
- 7. Metadata behind a PID are most important – please take care when providing them**
- 8. PIDs are not perfect (they are issued by organizations, aka humans!)**
- 9. PIDs are really useful & fun – they make yourself & your work more visible!**

Summary: PIDs (DOIs) = the glue!

Digital CV / CRIS

ORCID
Connecting Research and Researchers

FOR RESEARCHERS FOR ORGANIZATIONS ABOUT HELP SIGN IN

2,078,454 ORCID iDs and counting. See more...

Angelina Kraft
ORCID ID: orcid.org/0000-0002-6454-335X

Country: Germany
Created: 2015-02-03

Works (17)

Amphipod abundance in sediment trap samples at the long-term observatory HAUSGARTEN (Fram Strait, ~79°N/4°E). Variability in species community patterns
Mar Biodiv
2010-11 | journal-article
DOI: [10.1007/s12526-010-0052-1](https://doi.org/10.1007/s12526-010-0052-1)
Part of ISSN: 1867-1616

Source: CrossRef Metadata Search Preferred source

TIB VIVO (BETA)

Find an expert... Browse -

Kraft, Angelina
Dr.
Positions -

Publications Research

Selected Publications

Year	Title
2016-06-10	Archivierung und Publikation von Forschungsdaten: Die Rolle von digitalen Repositorien am Beispiel des RADAR Projekts. <i>Bibliotheksdienst</i> . 50 632-635. 2016-06-10
2016-04-01	Access and preservation of digital research content. Linked open data services - A research library perspective. <i>Geophysical Research Abstracts</i> . 18. 2016-04-01
2016-04-01	Videos for Science Communication and Nature Interpretation: The TIB AV-Portal as Resource. <i>Geophysical Research Abstracts</i> . 18. 2016-04-01
2016-03-04	The RADAR Project A Service for Research Data Archival and Publication. <i>ISPRS International Journal of Geo-Information</i> . 5. 2016-03-04

Data & AV Repository

RADAR
Ein Repository für die Wissenschaft

TIB AV-PORTAL

RECENTLY ADDED VIDEOS

- PHYSICS
- MATHEMATICS
- INFORMATION TECHNOLOGY
- ENGINEERING
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Suche nach Büchern, Zeitschriften und mehr

Wählen Sie den Suchraum...

TIB IST MEDIENPARTNER DER FOSSGIS-KONFERENZ 2017

Earth Hour 2017: TIB schließt am 25. März 2017 bereits am 20 Uhr

Flourier-Zeitschriften vorübergehend wieder im Composite der Leibniz Universität verfügbar

Neu im arXiv-Blog: Ausblick und Rückblick auf die Open-Access-Plattform arXiv

Studieren digital? - Wettbewerb für Studierende

Portal

And what researchers do NOT need to know... (*although some may want to know*)

- Total number of PIDs registered
 - Names of the agencies
 - How persistence works
 - How PID providers struggle
 - How (and why) PID providers fight each other
 - How perfect a PID (system) is (it is certainly not)
- Researchers care about their research (= their passion)
- As long as researchers are not information scientists themselves, PID providers should focus on communicating the practical points
- Citeability & visibility; the benefit for the researcher should be crystal clear

More suggestions (what researchers may need to know) ...

- Schema: PID metadata schemes
- Versioning: may or may not be a part of the PID
- Referencing: a PID may apply to the whole resource, or individual files, or collections, or ...
- For the publication of research data: Repositories that offer PID services (re3data.org)
- ...

What is YOUR opinion?

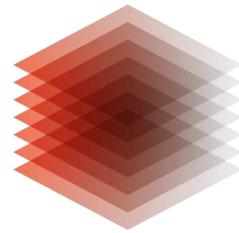
Festival rules

1. Catch the PID ball
2. Introduce
3. Fire away!

**Let's start
the discussion...**



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Thank you!

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