D NETWORK DEUTSCHLAND

On the road towards a PID strategy for Germany

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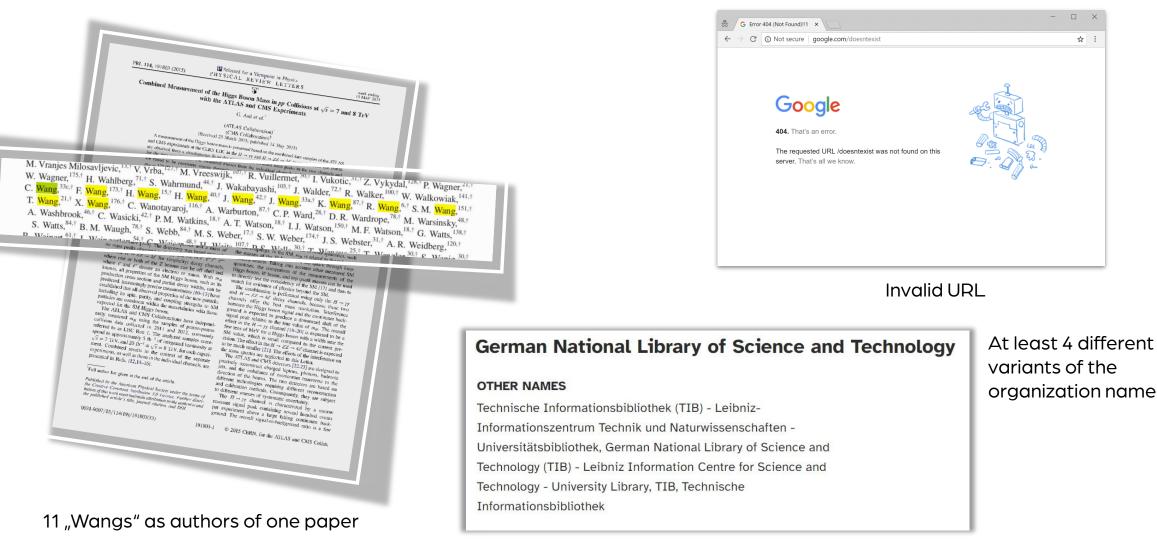




- 1. Introduction on Persistent Identifiers (PIDs)
- 2. PID Network Germany
- 3. PID4NFDI



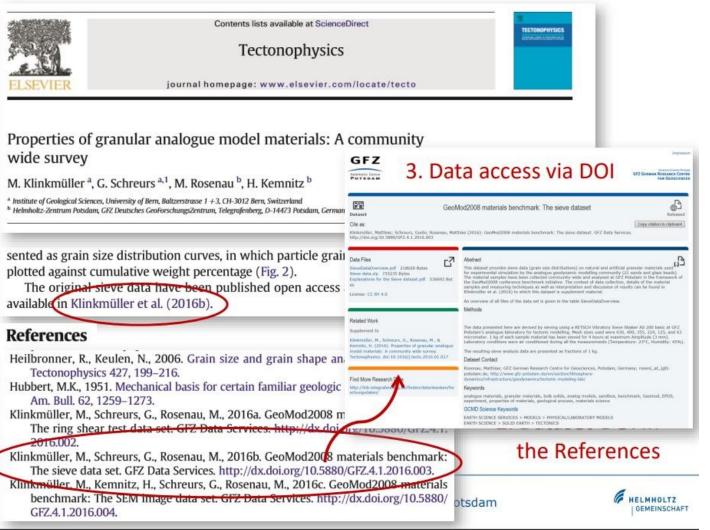




This is why:



PIDs enable cross-references between the article and the dataset



Source: Elger, K. (2016). https://os.helmholtz.de/fileadmi n/user_upload/os.helmholtz.de/ Workshops/rda_de_16_elger.p df. S. 25

This is why:



https://marine-data.de/

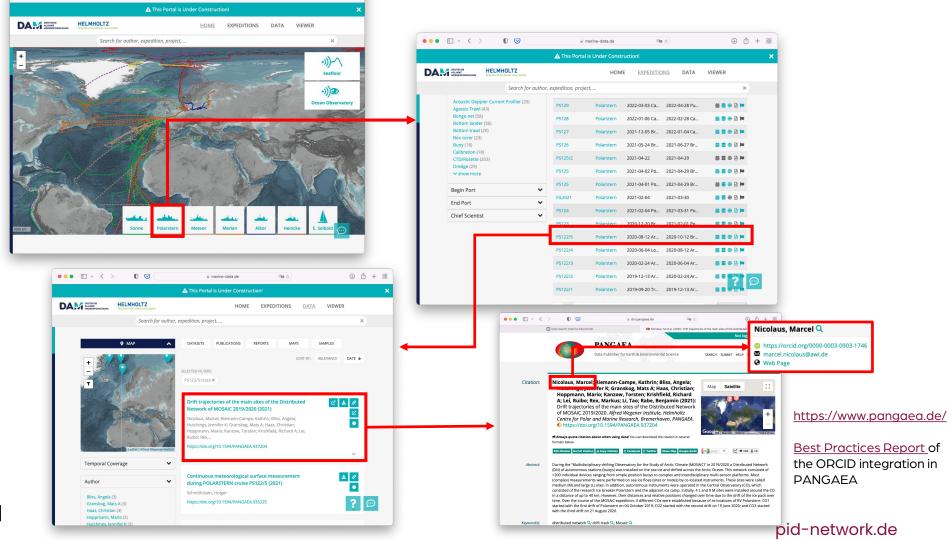
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🔒 marine-data.de

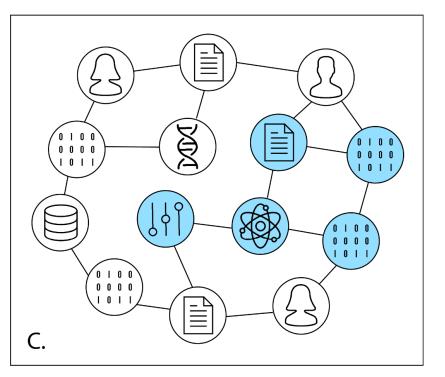
⊕ ₫ + 88

Interaction between DOI, ORCID & Data





- **Persistent Identifier:** "unique universal persistent identifier" (<u>Koster, 2020</u>)
 - "Identifier" = a string used to refer to an object
 - "Unique" = means that the identifier is only used for one object
 - "Universal" = entails that the identifier is valid for the whole of the world or world wide web
 - "Persistent" = means that the identifier remains available independently of individual institutions, systems or system implementations
- References to potentially **any sort** of digital or non-digital **entity**
- Enable the interlinking between entities
- Contribute to the **integrity** of scientific communication and its **reproducibility**
- PIDs are central to make data FAIR.
- PID and their corresponding **metadata** provide a **comprehensive view** on all research process entities.



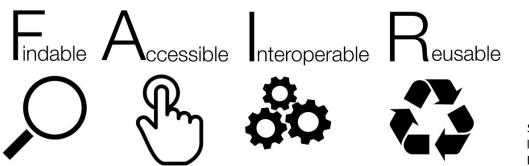
Source: "All digital objects connected to a research object." Fenner/Aryani (2019): Introducing the PID Graph. DOI: https://doi.org/10.5438/jwvf-8a66. CC BY 4.0 (https://creativecommons.org/licenses/by/4.0/legalcode).





The application of the FAIR principles is unthinkable without the features of PIDs.





Source: <u>https://www.go-fair.org/fair-principles/f1-meta-data-</u> assigned-globally-unique-persistent-identifiers

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International

DataCite





ORCID

Connecting Research and Researchers

National

urn:nbn:de:1111-20091210269 urn:nbn:de: v:11-100287 urn:nbn:de:hbz:468-2007038 1417541491 urn:nbn:de:bsz:21-opus-2952 nbn:de:101:1-2010080220 urn:nbn:de:027 6 urn:nbn:de:0012:bverwg-17962 urn:nk



A heterogenous PID landscape







Research Resource Identifier

Research Activity Identifier

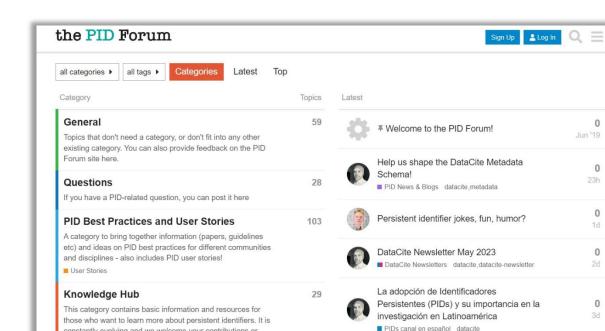
Identifing and tracking of research projects and activities <u>https://www.raid.org.au</u> Identifying and cite key resources of biomedicine (e.g. antibodies, model organisms and software projects) <u>https://www.rrids.org</u>



10

Conf





DOIs for blog posts

DataCite Chat Room datacite

4

3d

• <u>PID Forum</u> – Solution?

constantly evolving and we welcome your contributions or suggestions for new content, including translations into other languages. Content posted on the Knowledge Hub is review...

DIDs for Eundors and Bolicy Makors DIDs for Dosparcho

Getting Started with PIDs

PIDs for Librarians and Repository Managers

•

• Users: wide variety of very different PID for different needs

Organizations: Keeping systems up to date





GND

Crossref

PID Network Germany



- On March 01, 2023 the project started its work.
- Scheduled to run for 36 months
- The project proposal is published (only in German): <u>https://doi.org/10.48440/os.helmholtz.059</u>
- Projects aim:
 - Establishment of a network of already existing and currently forming actors around persistent identifier in the field of digital communication in science and culture
 - Promotion of the usage, implementation, standardization and compatibility to international PID systems on a local, national and international levels.
 - Development of a PID roadmap for Germany
- Project partner institutions:













Community Building & Support

- Organization of workshops and webinars on a regular basis
- Consulting and support

• ...

- Communication of developments around PIDs in a national and international context
- Participation in external conferences and events



DEUTSCHLAND

Website launched



pid-network.de



PERSISTENT IDENTIFIER NEUIGKEITEN SUPPORT NETWORK ÜBER UNS

Herzlich Willkommen auf der Dialogplattform von "PID Network Deutschland"

Dies ist die zentrale Dialog- und Informationsplattform des von der Deutschen Forschungsgemeinschaft (DFG) geförderten Projekts "PID Network Deutschland – Netzwerk für die Förderung von persistenten Identifikatoren in Wissenschaft und Kultur".

Die Plattform bündelt zentrale Informationen zu PIDs und unterstützt die Öffentlichkeitsarbeit des Projektes sowie den Wissenstransfer zum Thema. Sie wird innerhalb der Projektlaufzeit sukzessive um Informationen zu internationalen Standards, Best Practices, FAQs und Beratungsangeboten erweitert.

Zusätzlich werden Neuigkeiten zur Entwicklung, Anwendung und Implementierung von PIDs ab sofort über die **Social-Media-Kanäle** des Projekts auf Mastodon 🗹 und Twitter 🗹 kommuniziert. Wir freuen uns, wenn Sie uns auch hier folgen.

Disclaimer: At the moment only in German available. A translation to English will follow soon.

Communication channels

Blog

<u>https://www.pid-network.de/neuigkeiten/blog</u>

Mailing list

"ORCID DE Dialog", subscribe <u>here</u>

Social Media

Mastodon

@PIDNetworkDE@openbiblio.social

• Twitter

@PIDNetworkDE







Analysis, Monitoring & Optimization



- Conduction of a survey on the PID landscape of Germany
- Monitoring of the development of PID implementations in Germany
- Development of User Stories, PID Guidelines, Best Practices...
- Support of prototypical implementation of guidelines by the community
- Optimization of PID metadata in identifier and aggregation systems (DataCite, German National Library, BASE)

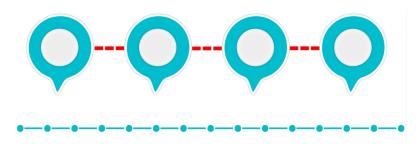


Source: https://pixabay.com/vectors/survey-icon-survey-icon-2316468

Development of a PID roadmap for Germany

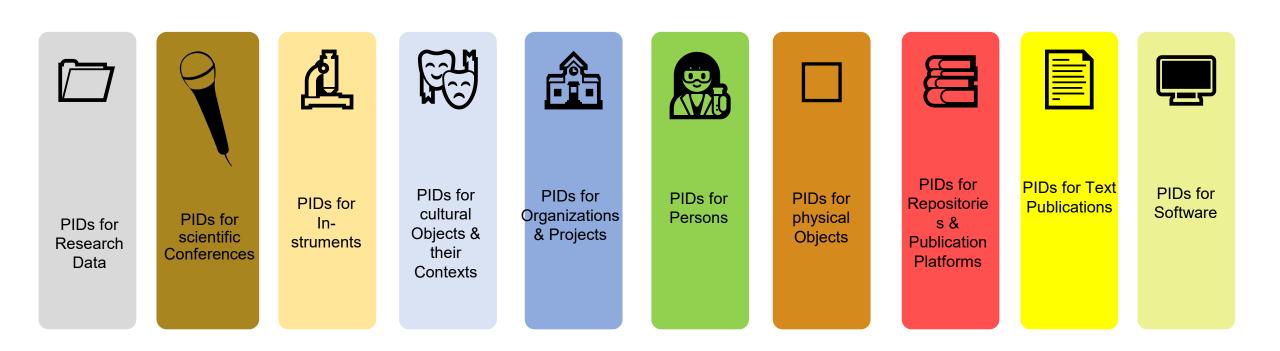


- Consolidation of the results from the project and integration into the draft
- public call for comments for drafting and finalization phase
- Taking into account international impulses, such as
 - <u>"PID Policy</u>" of EOSC
 - "PID Strategy of Dutch Research Council (NWO)"
 - Efforts of "Research Identifier National Coordinating Committee (RINCC)"
 - Efforts of <u>"UK PID consortium</u>"



10 PID Use cases





PID4NFDI

- Proposal of founding Persistent Identifier Services
 for the German National Research Data Infrastructure (NFDI)
- On behalf of the WG Persistent Identifier Services of the Section <u>Common Infrastructures</u> of the NFDI
 - <u>Charta of the working group</u>
- Applicants:

The proposal was submitted for the Initialization Phase of Base4NFDI,

Datenverarbeitung mbH

and is currently under review for funding.



DataCite







B LEIBNIZ-INFORMATIONSZENTRUM TECHNIK UND NATURWISSENSCHAFTEN UNIVERSITÄTSBIBLIOTHEK



PID4NFDI



Aim

- Basis for further phases through use cases analyses, requirements engineering, and concept development
- Promotion of the uptake of PIDs and develop and operate NFDI-specific services
- Addressing NFDI-specific challenges and requirements in terms of PID implementation

PID4NFDI will complement PID Network Germany -

Both projects agreed to closely collaborate.



Source: https://pixabay.com/de/illustrations/h%C3%A4ndedruckhand-sch%C3%BCtteln-handeln-4784749

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Thank you for your Attention!

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