

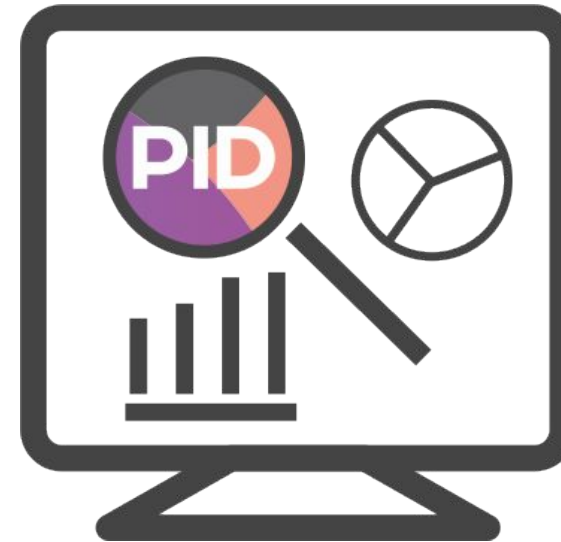
The PID Monitor portal of the PID Network Germany project

euroCRIS Membership Meeting
May 13. - 15. 2025, Leuven/Belgium

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Agenda

- Introduction to the project
- Brief insights from the quantitative survey of PIDs in German cultural and scientific institutions
- PID - Monitor
 - Types & Entities, Concept
 - Results
- Outlook



Introduction to the project

Projects



Started in 2023

- Establishment of a **network** of already existing and currently forming actors around **PIDs in science and culture**
- Promotion of the usage, implementation, standardization and compatibility to international PID systems on local, national and international levels
- Development of a **PID roadmap for Germany**



Started in 2024

- Evolve PID service landscape within National Data Infrastructure (NFDI) at all levels (technical, organizational, methodological, and in communication)



Various approaches in order to establish standardised strategies for the use of PIDs

10 PID-use cases



Research Data



Instruments



Cultural
Objects



Organisations
& Projects



Persons



Physical
Objects



Publication
Services
& CRIS



Software



Text
Publications



Events

10 PID-use cases



Research Data



Instruments



Cultural
Objects



Organisations
& Projects



Persons



Physical
Objects



Publication
Services
& CRIS



Software

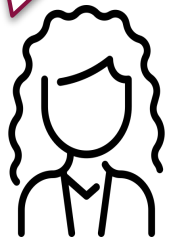


Text
Publications



Events

PIDs for
Software
June 30. 2025



Brief insights from the quantitative survey of PIDs in German cultural and scientific institutions

Latest, selected survey results

Facts about the PID Network survey

Survey period: March - May 2024

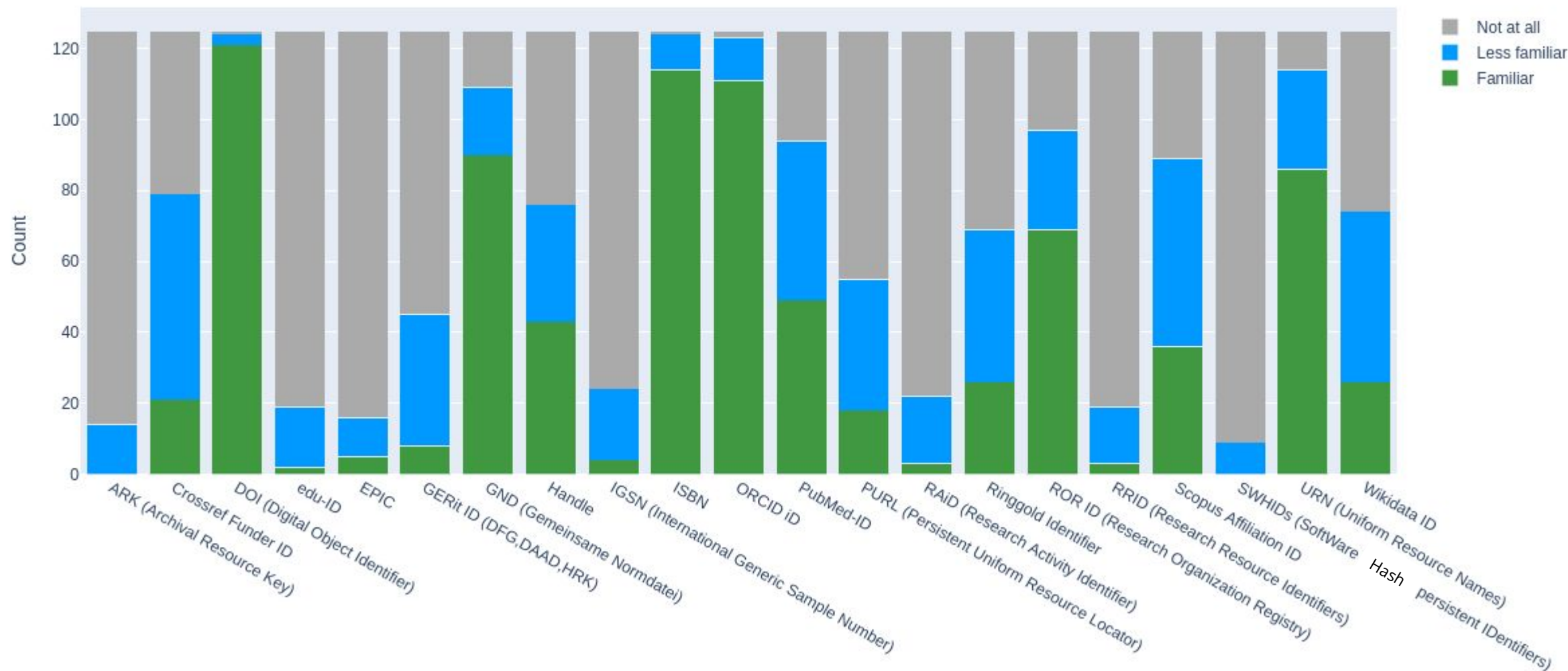
Content: General information,
distribution and utilisation,
Information and training needs,
challenges and gaps,
promotion opportunities

Target groups: Universities, universities of
applied sciences,
non-university and
departmental research
institutions

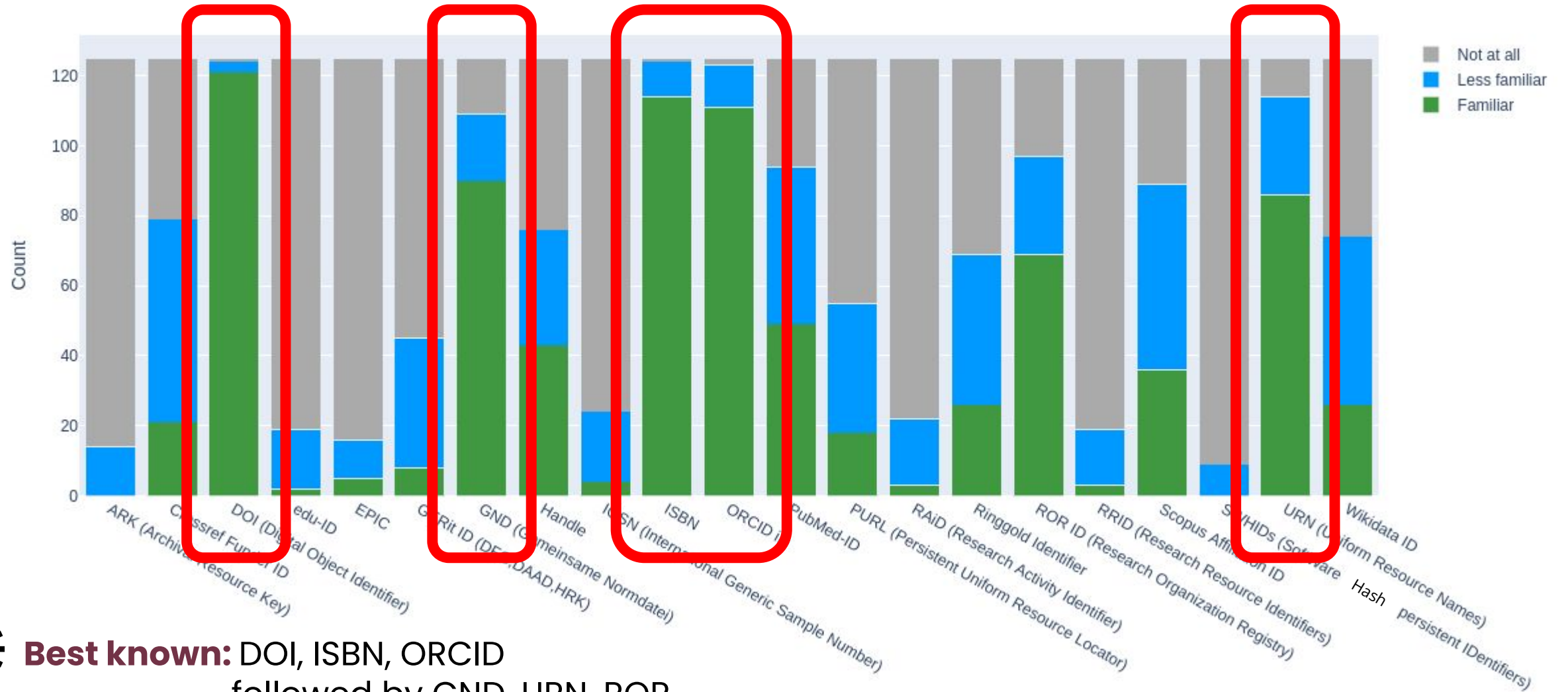
Achieved

Sent to 501 organizations →
return ~ 25 %

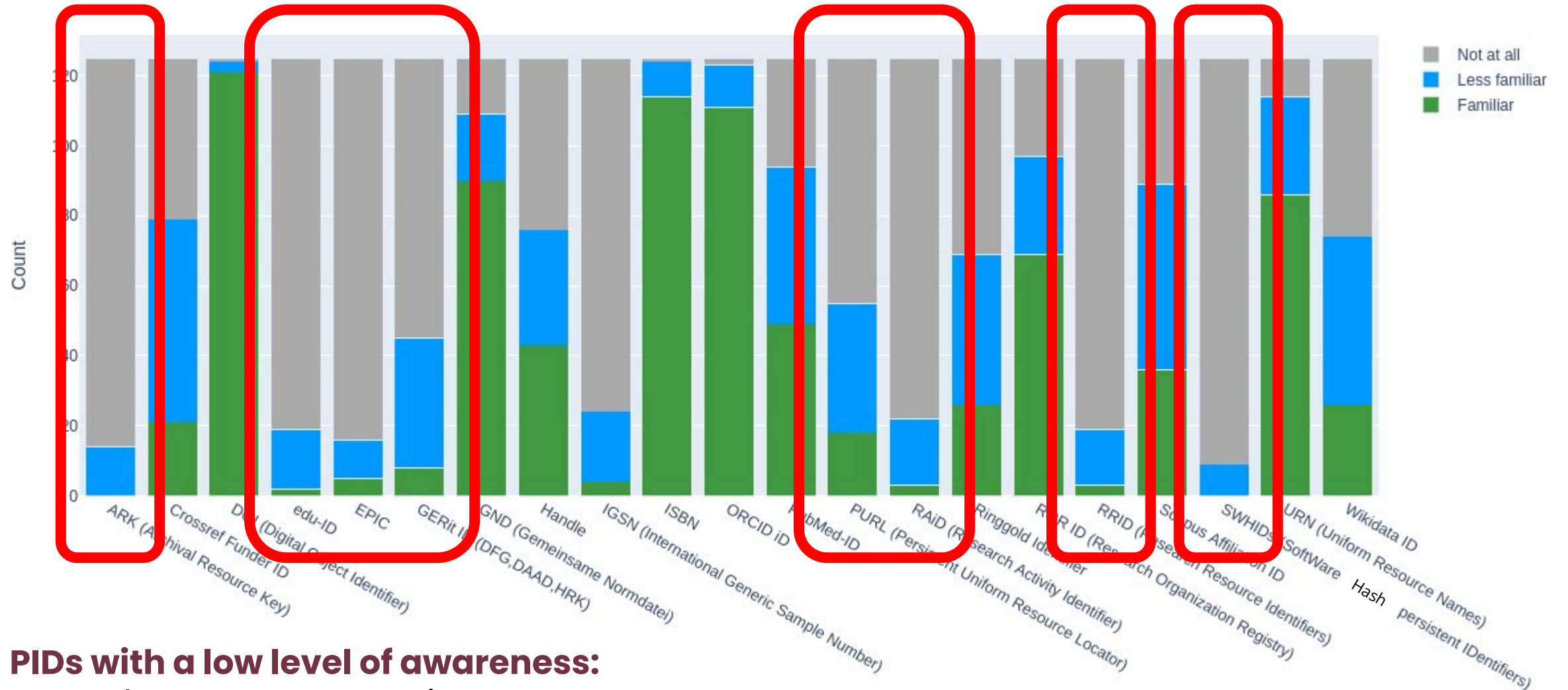
Familiarity of persistent identifiers? [n=125]

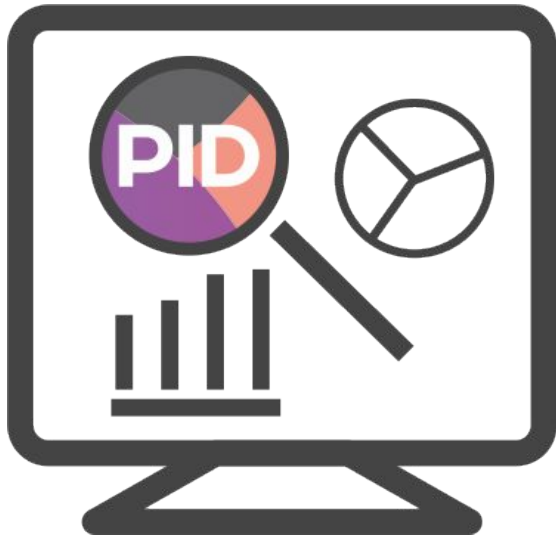


Familiarity of persistent identifiers? [n=125]



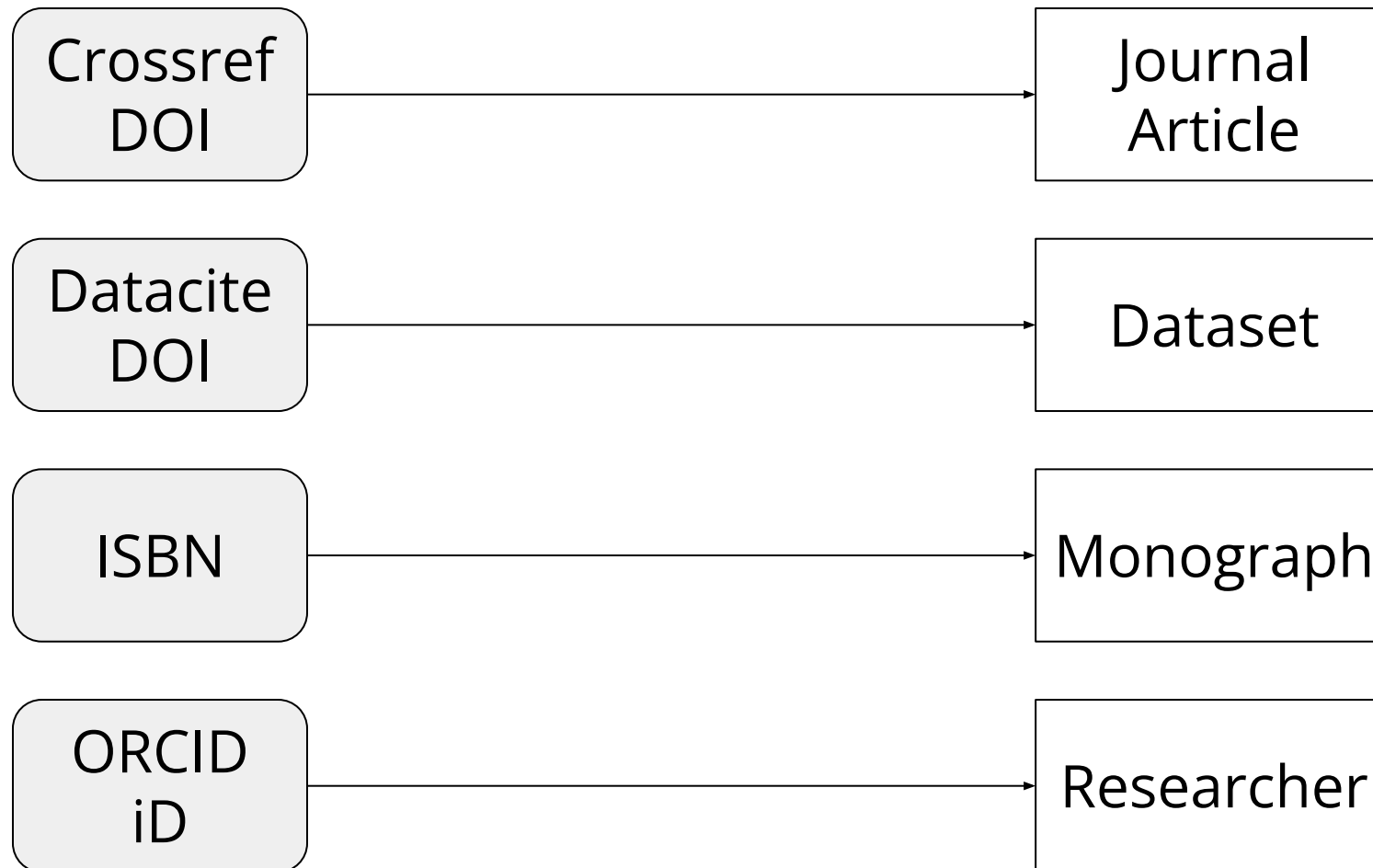
Familiarity of persistent identifiers? [n=125]



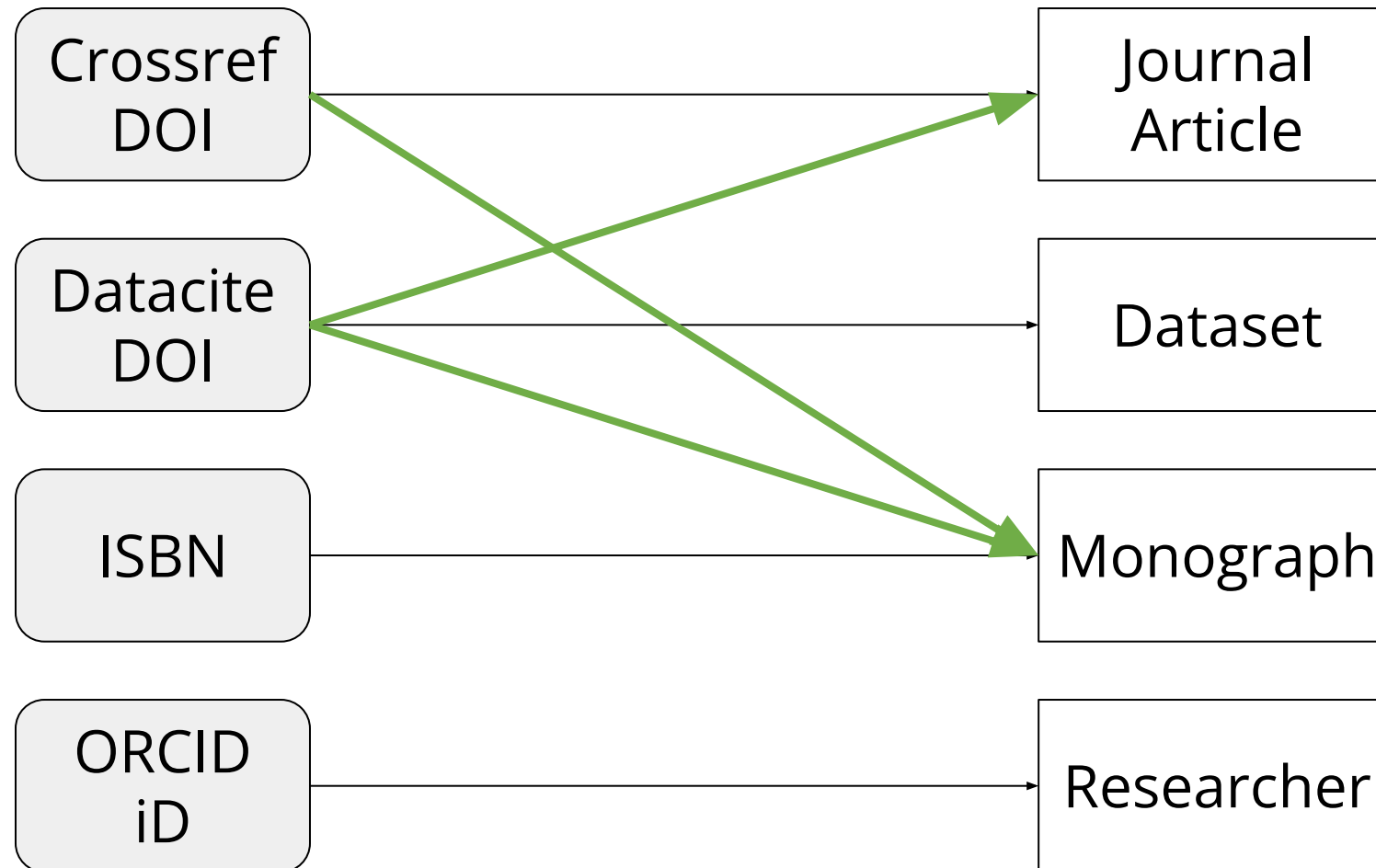


PID-Monitor

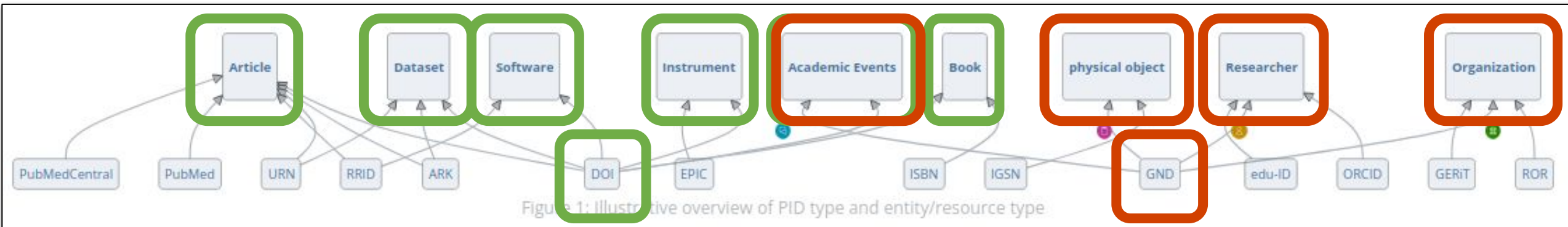
common PID perspective



common PID usage



Subset view of PID types & entities



https://pid-monitor.org/pid_class.html

Conception

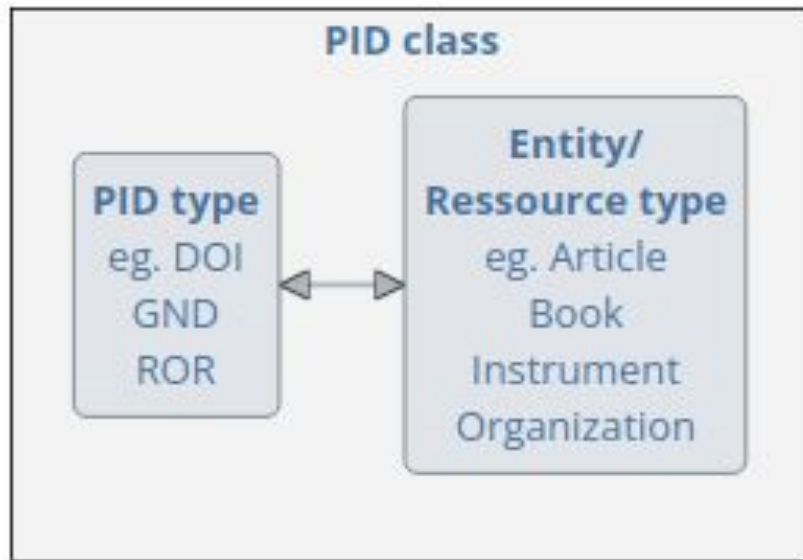


Figure 2: PID class diagram

PID type: Represents persistent identifiers that have their own semantics, syntax and complexity, such as DOI, ORCID iD, ROR.

Entity: Refers generally to something that has an independent existence, regardless of whether it is material or immaterial in nature.

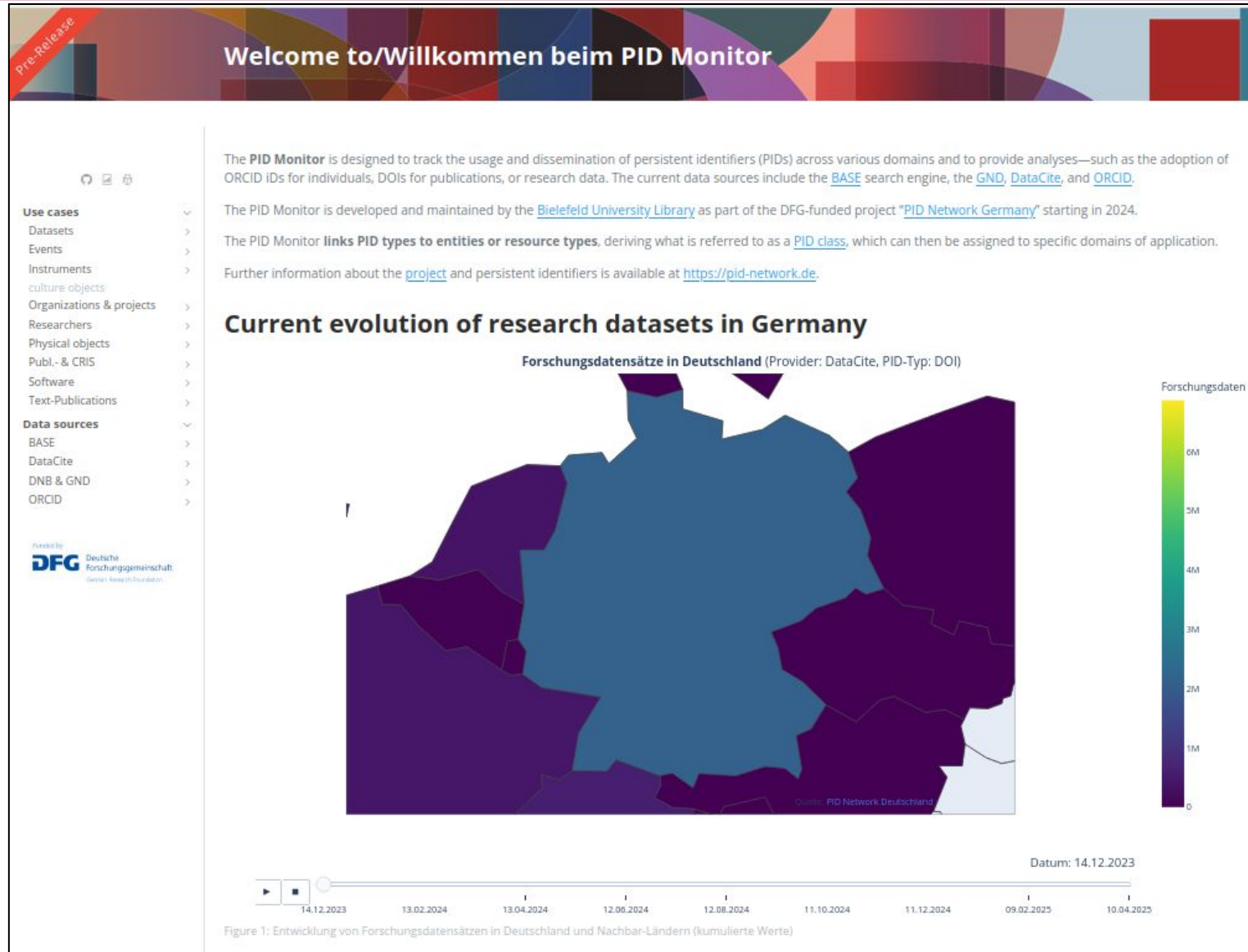
Entity == Ressourcetype

Matrix: Type & Entity (Resourcetype)



Entity- PIDtype	ARK	DOI	EPIC	GEPRIS	GERIT	GND	Handle	IGSN	ISBN	ORCID id	RAiD	ROR	RRID	SWHID	W3ID	WikiData
Article	X	X	-	-	-	-	X	-	-	-	-	-	-	-	-	-
Monograph	X	X	-	-	-	X	X	-	X	-	-	-	-	-	-	X
Dataset	X	X	-	-	-	-	X	-	-	-	-	-	-	-	X	-
Funding	X	X	-	X	-	-	-	-	-	-	-	-	-	-	-	-
Instrument	X	X	X	-	-	-	X	-	-	-	-	-	X	-	-	-
cultural object	X	-	-	-	-	X	X	-	-	-	-	-	-	-	-	X
Organization	X	-	-	-	X	X	-	-	-	-	-	X	-	-	-	X
Researcher	X	X	-	-	-	X	-	-	-	X	-	-	-	-	X	X
physical object	X	X	-	-	-	-	X	X	-	-	-	-	-	-	-	-
Project	X	X	-	X	-	-	-	-	-	-	X	-	-	-	-	-
Service	X	X	-	-	-	-	-	-	-	-	-	-	X	-	X	-
Software	X	X	-	-	-	-	X	-	-	-	-	-	X	X	-	-
academic Events	X	X	-	-	-	X	-	-	-	-	-	-	-	-	-	-

Welcome to the PID-Monitor



research datasets

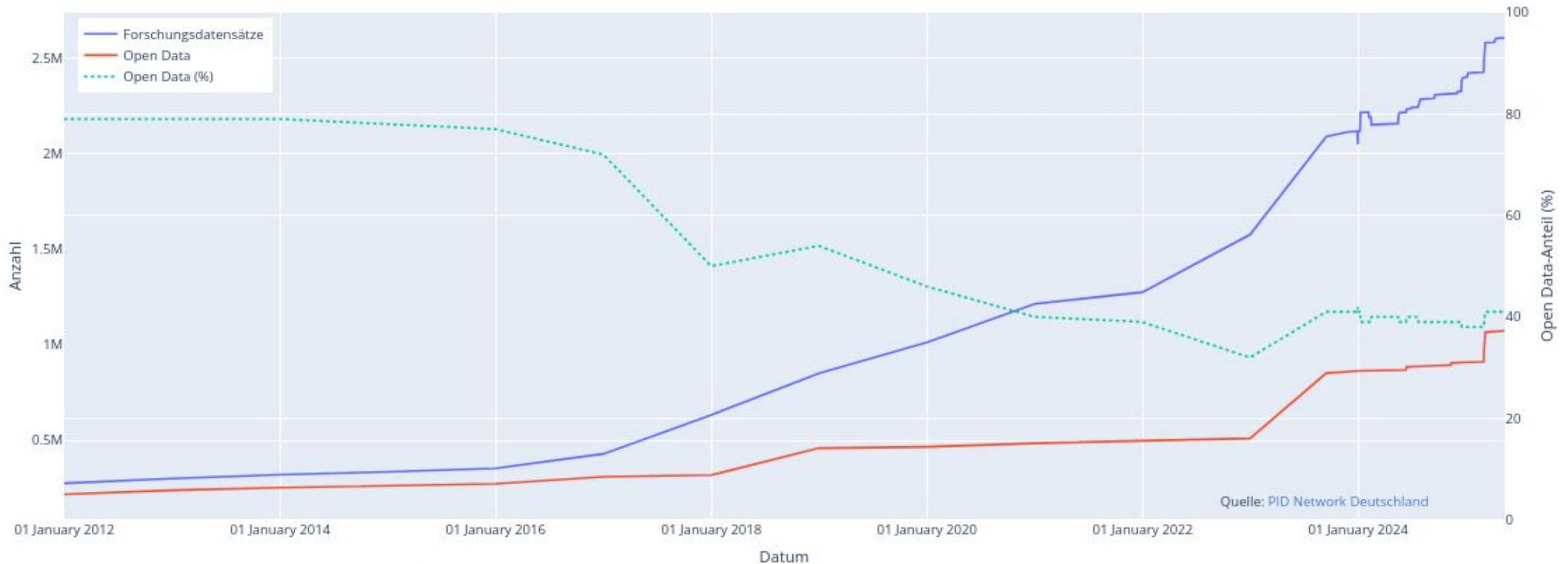


Figure 1: **Entwicklung der Registrierung von Forschungsdatensätzen inkl. Open-Data Anteil**
(kumulierte Werte, Deutschland) [Provider: DataCite, PID-Typ: DOI]



Figure 1: Entwicklung der Registrierung von Forschungsdatensätzen inkl. Open-Data Anteil (kumulierte Werte, Deutschland) [Provider: DataCite, PID-Typ: DOI]

physical objects (IGSN)

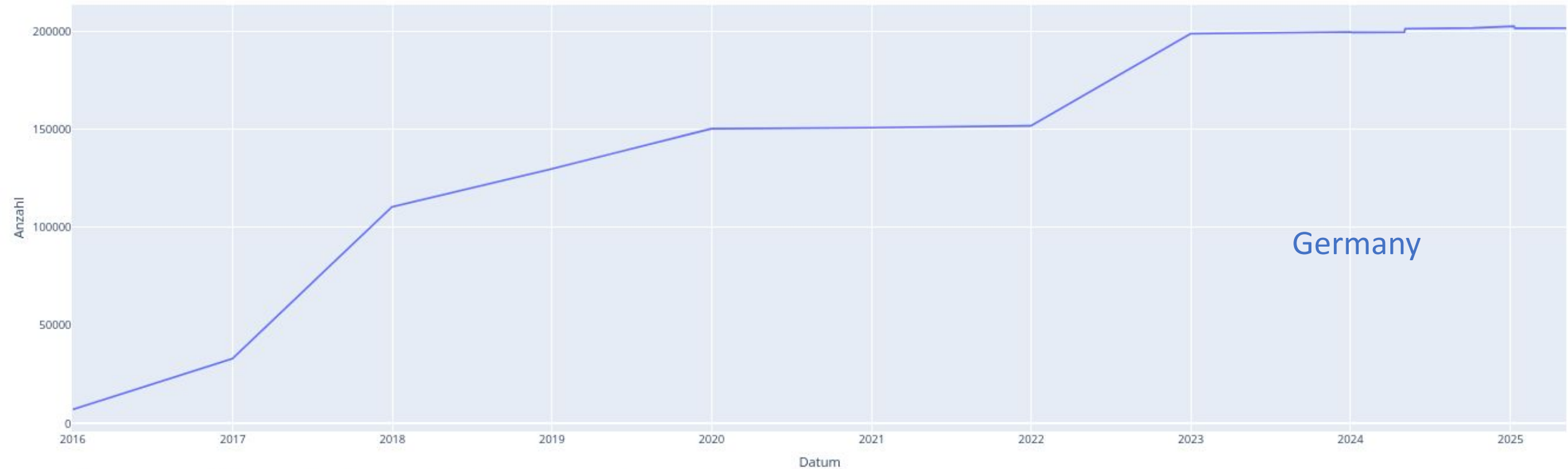


Figure 1: Entwicklung der IGSN für zugängliche physische Objekte - Deutschland (kumulierte Werte) [Provider: DataCite, PID-Typ: IGSN]

physical objects (IGSN)

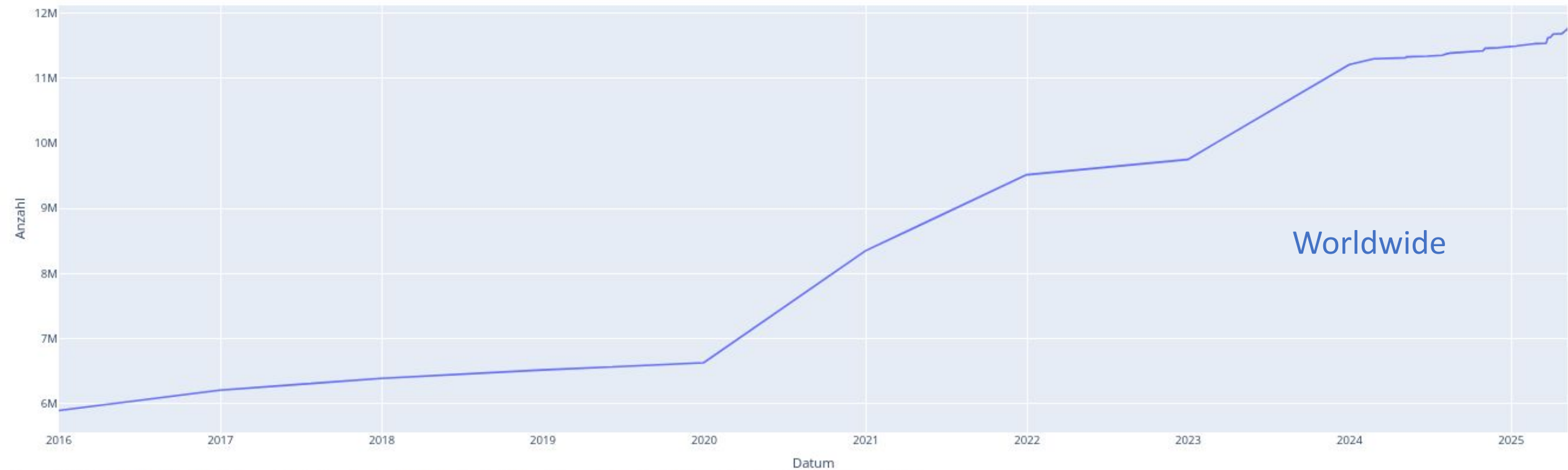


Figure 2: Entwicklung der IGSN für zugängliche physische Objekte - Weltweit (kumulierte Werte) [Provider: DataCite, PID-Typ: IGSN]

Research Information Systems

- [Directory of Research Information Systems \(DRIS\)](#)
- German CRIS Map of the DINI AG FIS and KFiD

The [Commission for Research Information in Germany \(KFiD\)](#) and the working group [Research Information and Systems of the German Initiative for Networked Information \(DINI-AG FIS\)](#) have started a joint project "[FIS-Landkarte](#)" in 2024.

Further information can be found at <https://kfid-online.de/> or interactively explore the [Map of Research Information Systems](#).

Open Access - Publication services

Directory of Open Access Repositories (DOAJ)

In planning

FAIRsharing

<https://pid-monitor.org/Sparten/Publ-FIS-Services/>

Publishing & CRIS services

Active research information platforms



Figure 1: Zeitlicher Verlauf der operativen Forschungsinformationssysteme (kumulierte Werte)

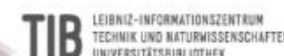
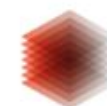
- provide further PID types and their associated entities, together with corresponding distribution data
 - Input & feedback from the community is highly appreciated
- New analyses incorporating data from external sources are already on the roadmap
- English version and GitHub release are currently in preparation

We invite collaborators who are interested in exploring and evaluating the PID landscape in their national or disciplinary contexts.



Contributors

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<https://pid-monitor.org>

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Mastodon ([@PIDNetworkDE@openbiblio.social](https://openbiblio.social/@PIDNetworkDE))

LinkedIn (<https://www.linkedin.com/showcase/pid-network-de>)

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