

Distribution of PIDs for physical objects in Germany

::: An impression of use :::

PID Network Deutschland | Workshop about PIDs for physical objects

20. February 2025
Germany

Andreas Czerniak 

andreas.czerniak@uni-bielefeld.de



Insights into survey results



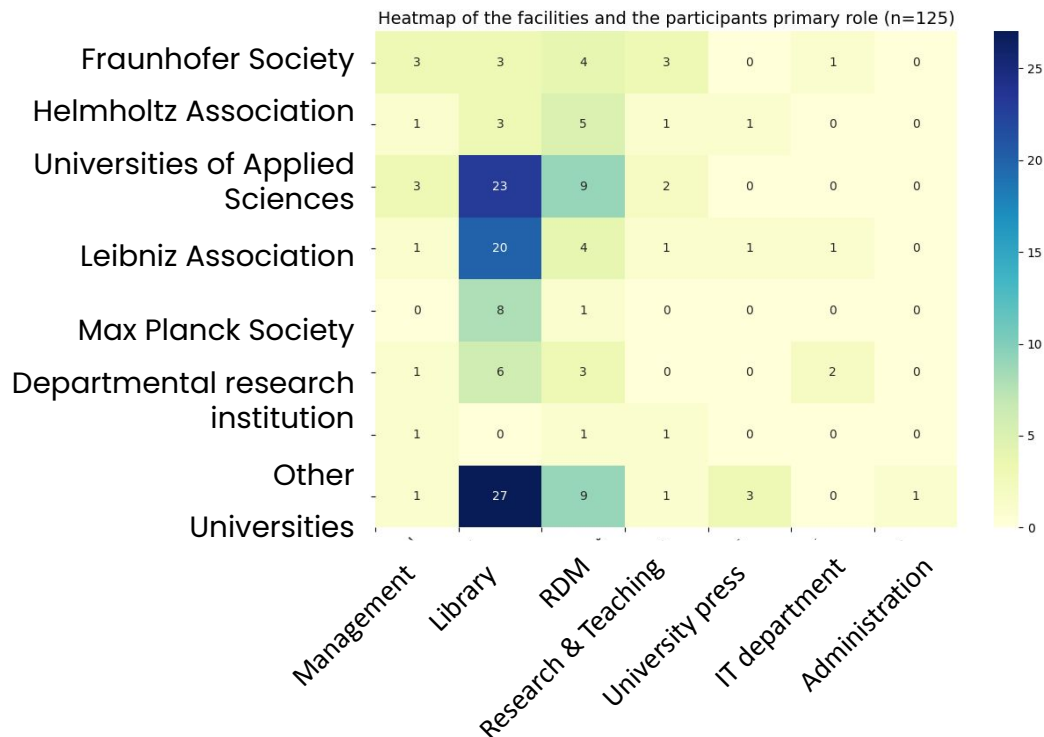
Good to know

Survey period: March – May 2024

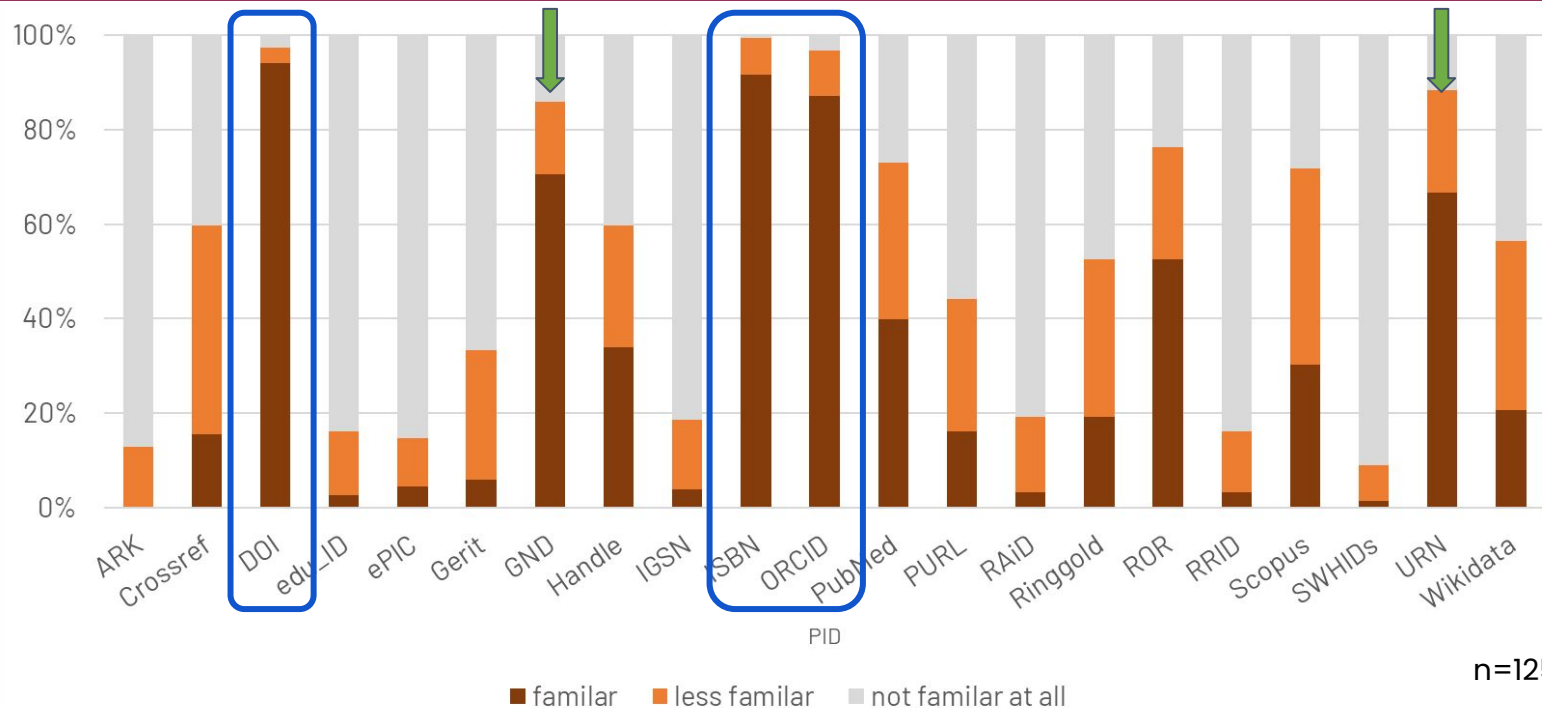
Content: general information, distribution and utilization, Information and training needs, challenges and gaps, promotion and opportunities

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

Achieved: Sent to 501 organizations → return ~ 25 %

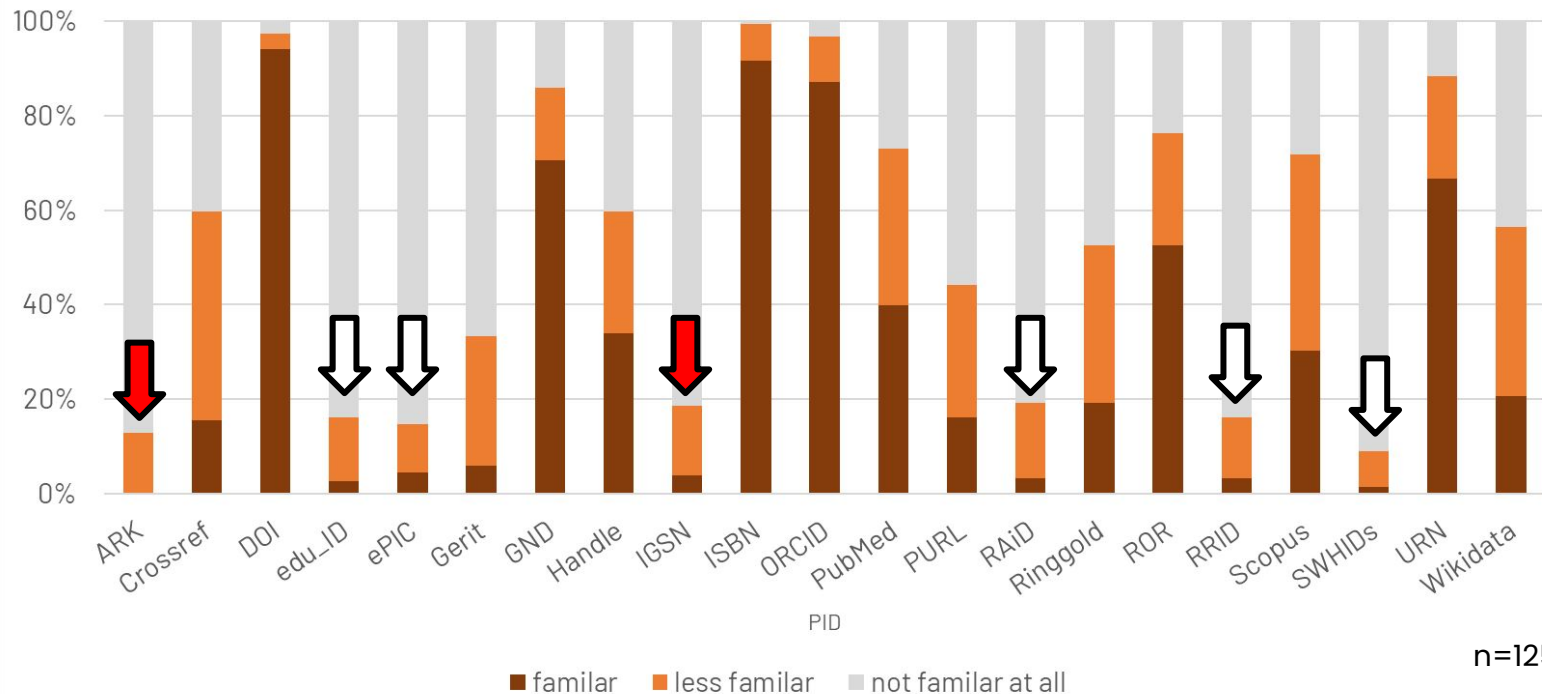


Familiarity with PIDs



Best known: DOI, ISBN, ORCID followed by GND, URN, ROR

Familiarity with PIDs



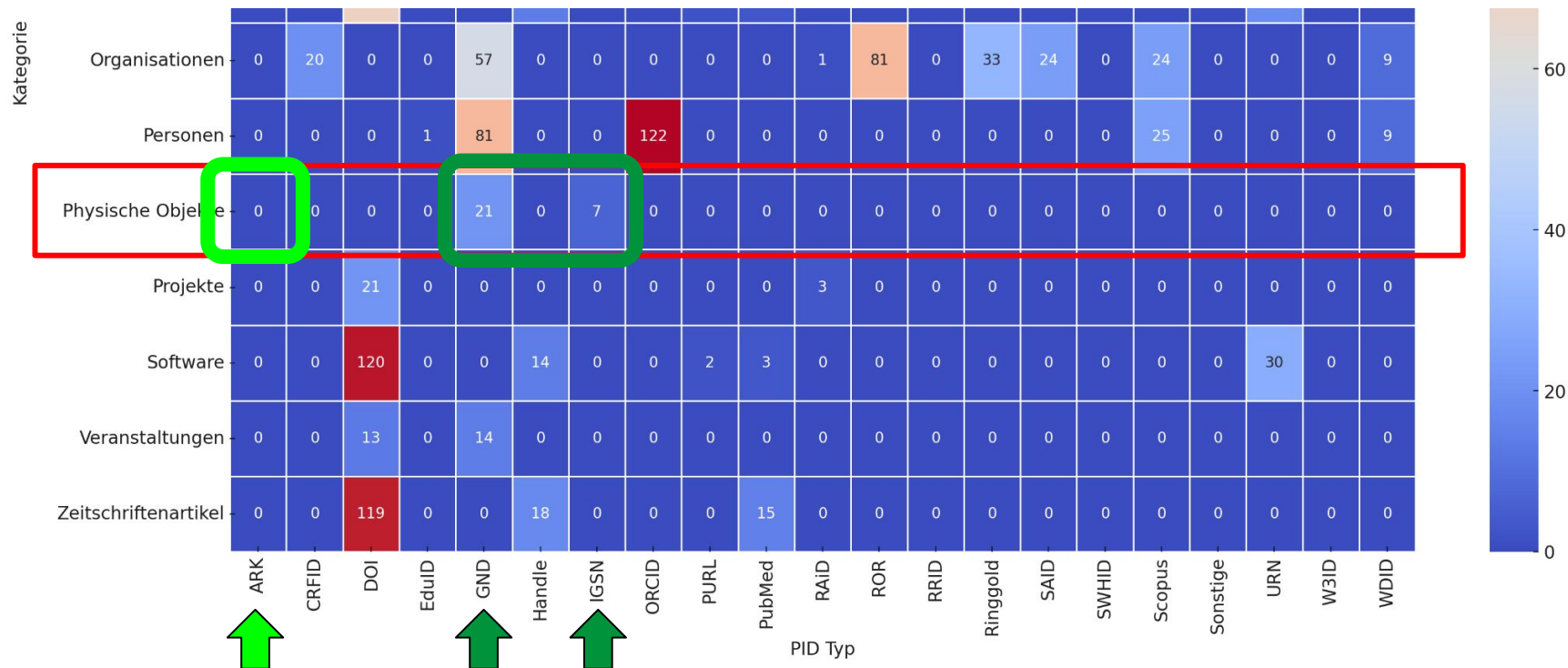
Best known: DOI, ISBN, ORCID
followed by GND, URN,

ROR



PIDs with a low level of awareness:
ARK, eduID, ePIC, **IGSN**, RAiD, RRID,
SWHIDs

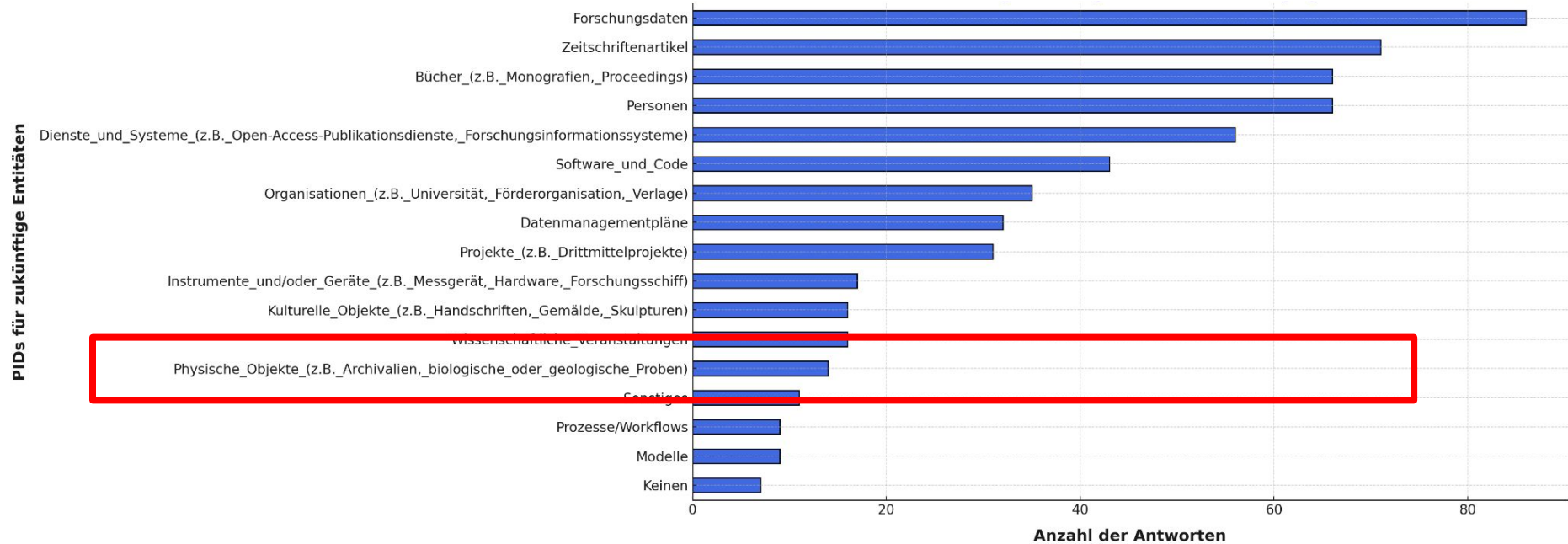
Usage of PIDs



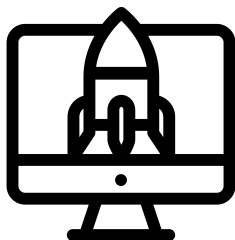
n=149

Future launch of PIDs

For which entities do you plan to use PIDs at your institution in the future?



n=125



- Recently launched (31.01.2025)
- Further development of the [ORCID DE Monitor](#)
- **Objective:**
 - continuous monitoring of the dissemination of different types of PIDs in publication, information and research infrastructures
 - Linking of PIDs over time
- **Data sources:** BASE search engine, the GND, DataCite, and ORCID
- Feedback from the community is highly encouraged.

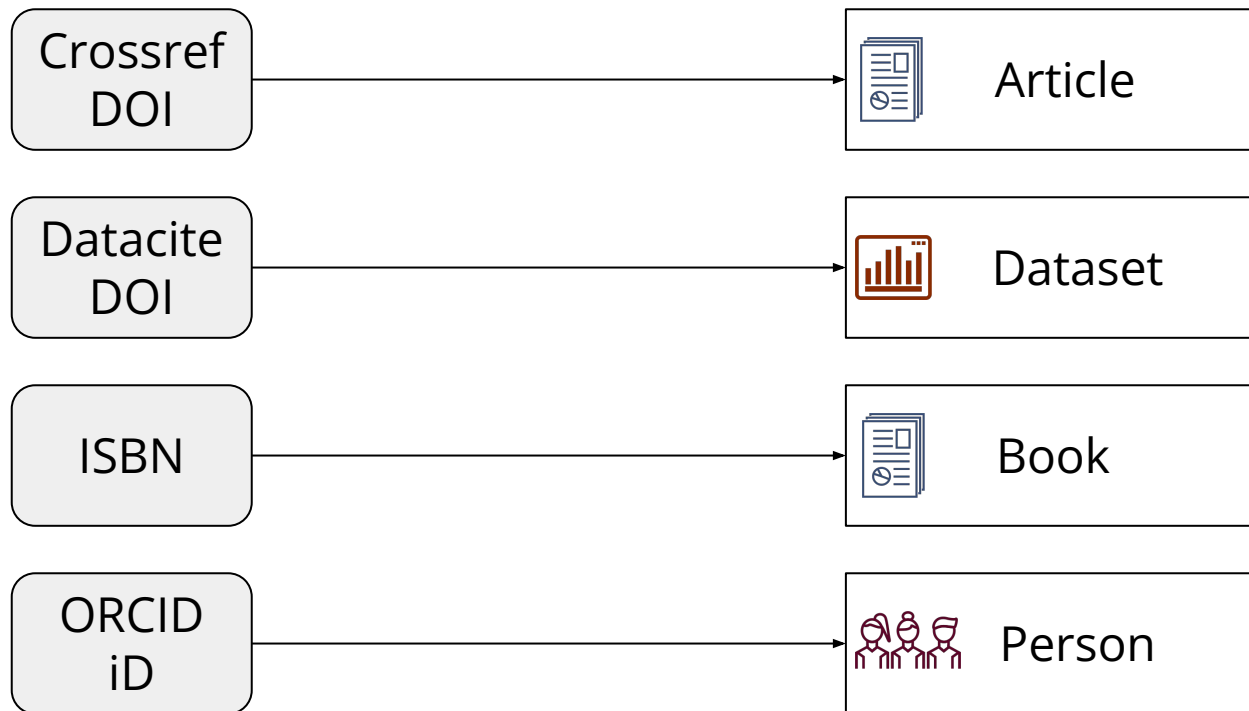


Welcome to PID Monitor

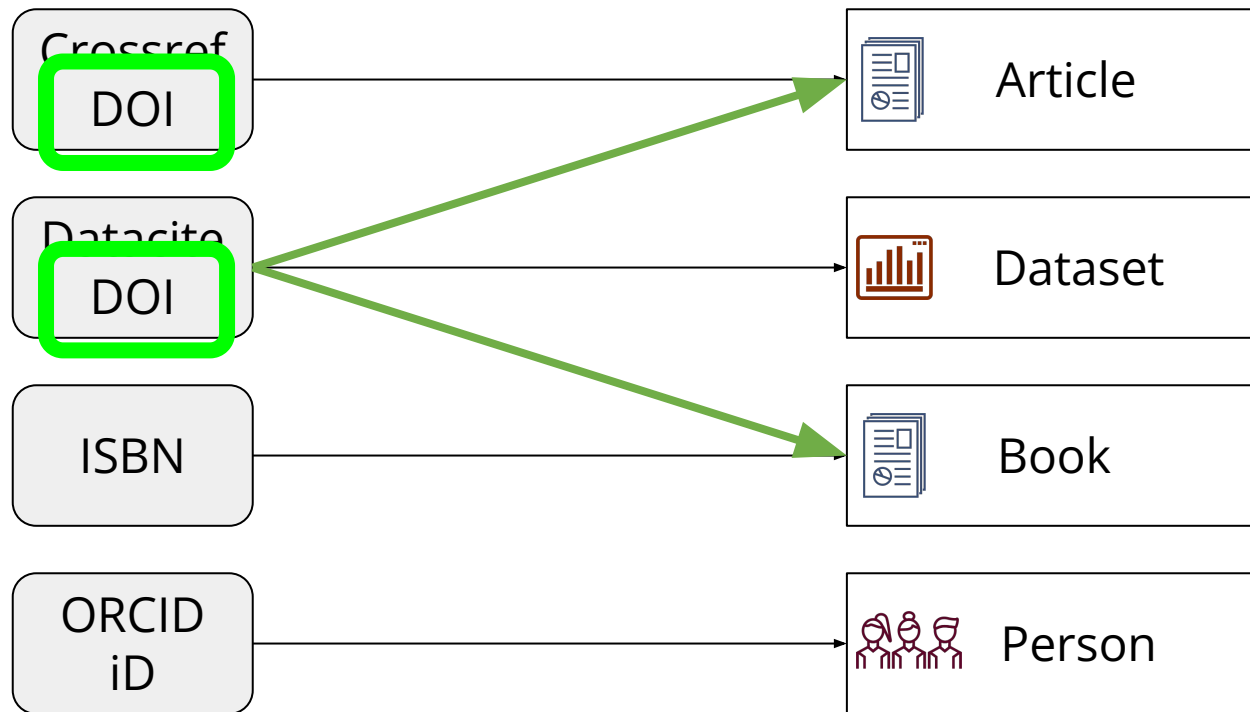
The **PID Monitor** is intended to capture the use and distribution of persistent identifiers from different fields, provide analyses, such as ORCID iDs for people, DOIs for publications or research data. The database is currently being made from information from the search engine [BASE](#), the [GND](#), [DataCite](#) and [ORCID](#). The PID Monitor is being developed and operated by [Bielefeld University Library](#) as part of the DFG-funded project "[PID Network Deutschland](#)" from 2024 onwards.

The PID monitor links the **PID type with the entity or the resource type** in order to derive a [PID class](#) from it, which is then assigned to the respective application

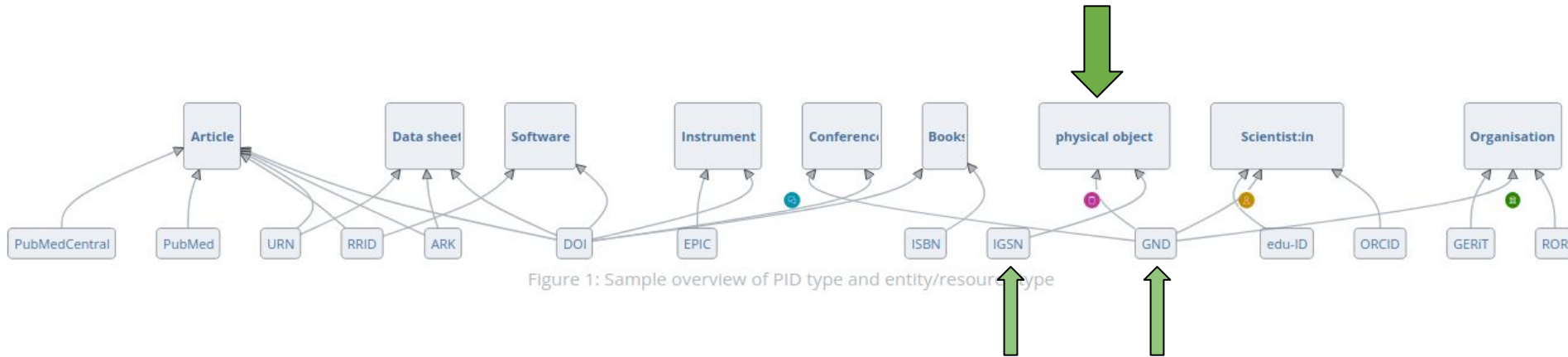
Widely perspective on PIDs



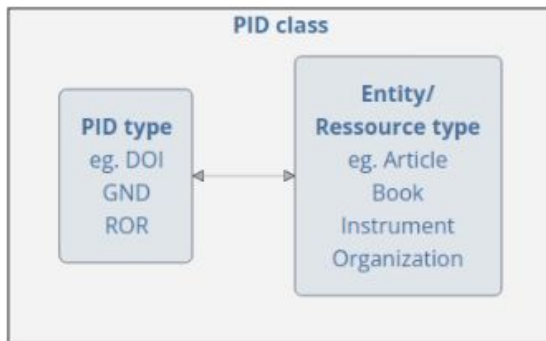
Widely perspective on PIDs



PID - usage (subset)



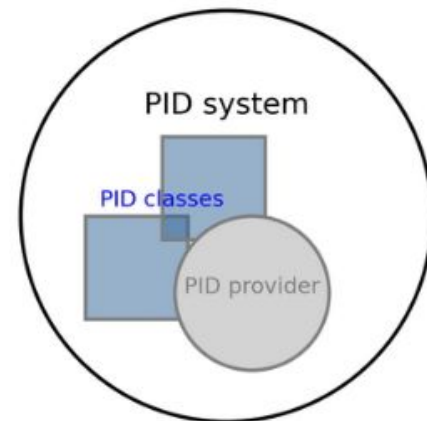
https://pid-monitor.org/pid_class.html



PID type: Represents PIDs, which have their own semantics, syntax and complexity, such as DOI, ORCID iD, ROR.

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

Entity = Resource type

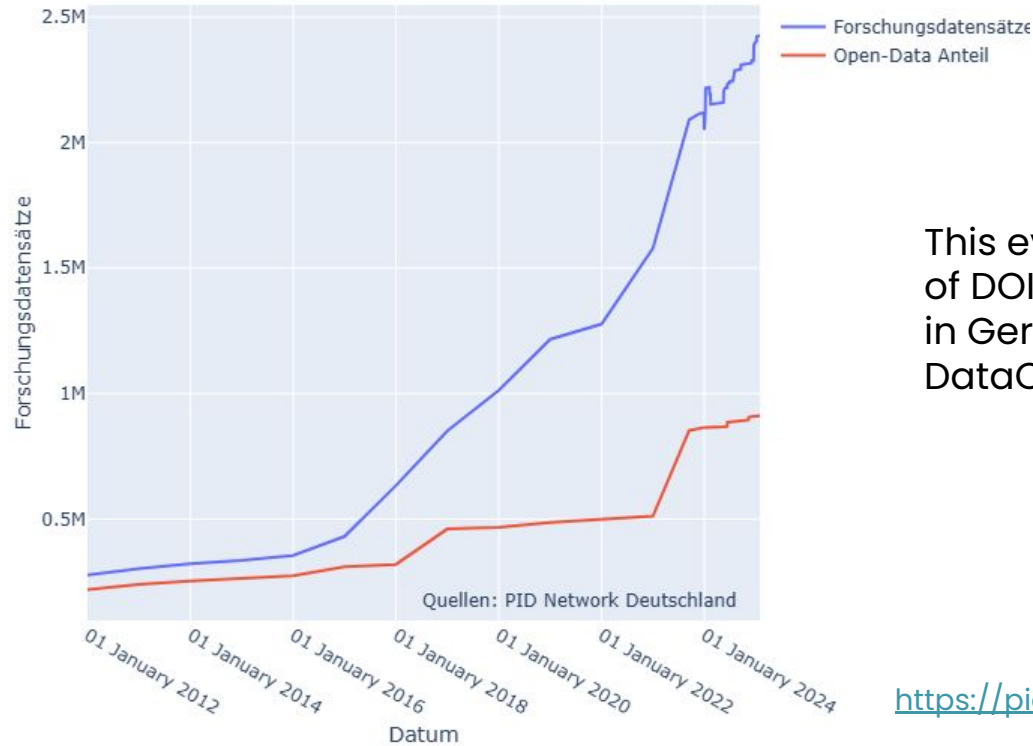


https://pid-monitor.org/pid_class.html

Welcome PID Monitor



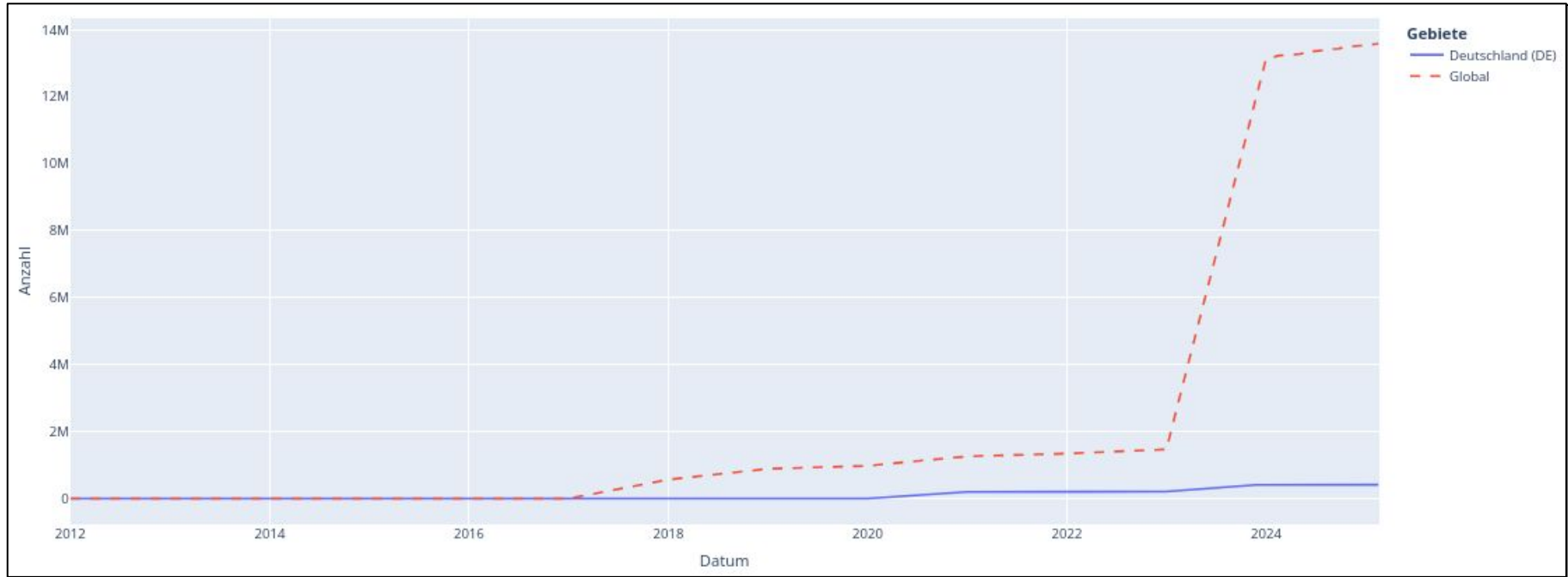
Example I – research dataset



This evaluation shows the extent of DOI use for **research datasets** in Germany based on the public DataCite API (DataCite API 2024).

<https://pid-monitor.org/Sparten/Datensaetze/doi.html>

Example II – physical objects



PID-Type: **DOI**

PID-Provider: DataCite

<https://pid-monitor.org/Sparten/physischeObjekte/doi.html>

Example II – physical objects



PID-Type: **International Generic Sample Number**

PID-Provider: DataCite

<https://pid-monitor.org/Sparten/physischeObjekte/igsn.html>

Example II – physical objects

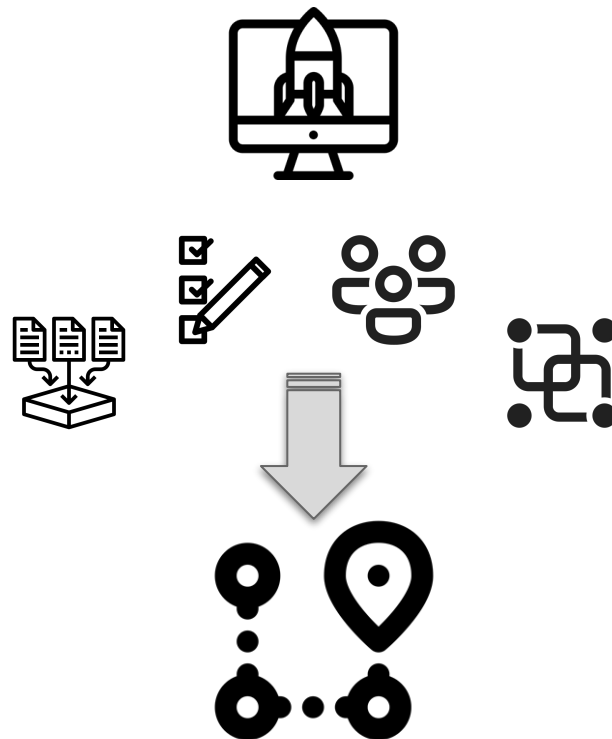


PID-Type: **International Generic Sample Number**

PID-Provider: DataCite

<https://pid-monitor.org/Sparten/physischeObjekte/igsn.html>

- Further **integration of PID types** <-> entities from BASE
- Function extension for **visualizations**
- **Elaboration** of the concept around the PID type and the entity, as well as the documentation of the method
- Establishment of **relations** and their evaluation
- **Subsequent use** of the data through provision via API



Thank you for your attention

www.pid-network.de



<https://pid-monitor.org/>

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