

PID4nfdi - A Base4NFDI Service for Enhanced Research Data Management

The project



The PID4NFDI project is an initiative aimed at enhancing the use and management of Persistent Identifiers (PIDs) within the framework of the National Research Data Infrastructure (NFDI) in Germany.

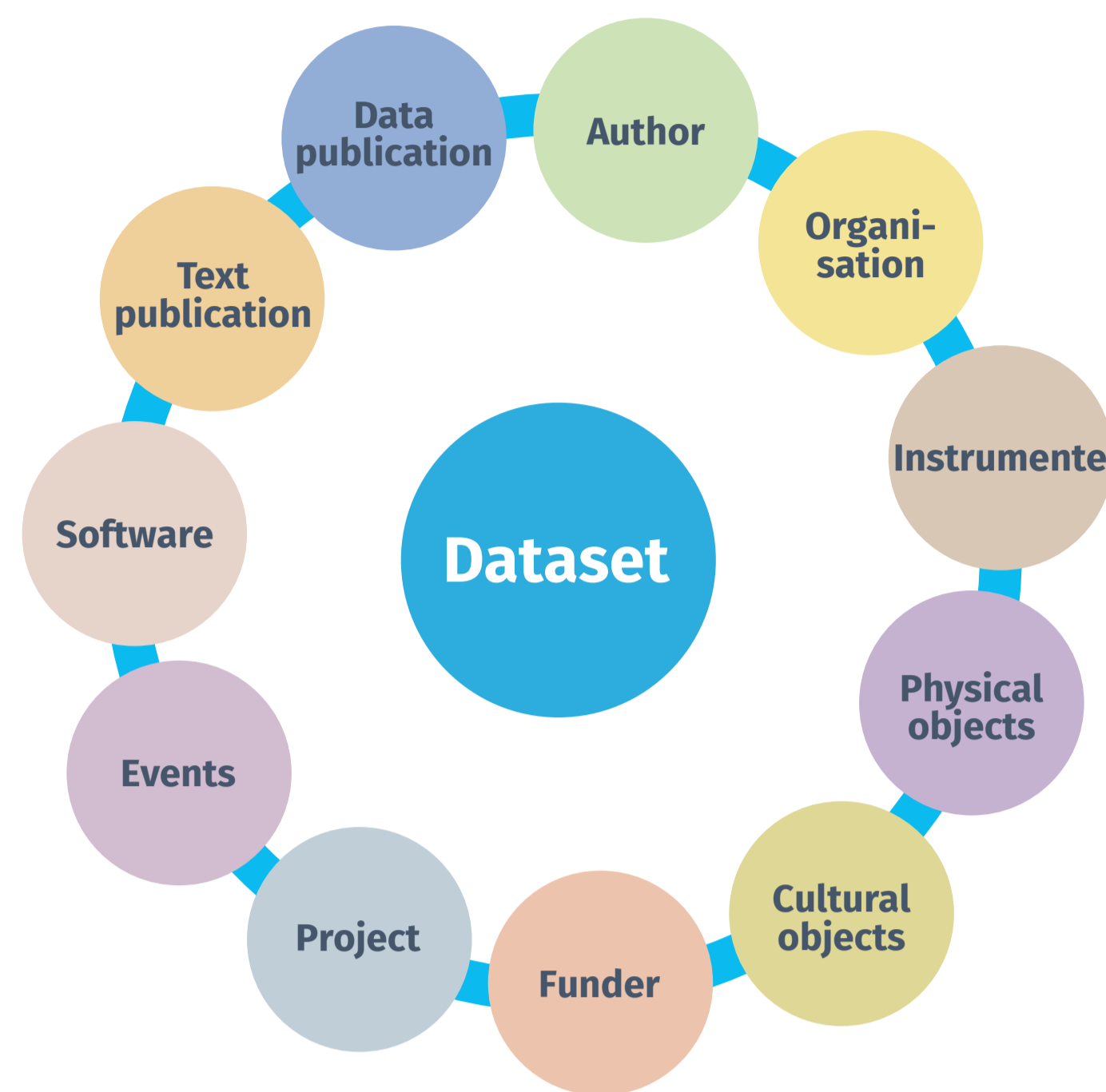


Fig. 1: PIDs and their (potential) connection within the research (data) life cycle

What are PIDs?

- **Persistent Identifier** = Globally unique alphanumeric code (URL)
- **Registered** in an established system
- **Resolvable** and **explicit referencing** to research outputs, persons, organizations, etc.
- **Linked** to descriptive information (**metadata**)

Why PIDs matter

- Backbone for **FAIR Research Data Management**
- Useful for the entire **research lifecycle**
- **Sustainable** description
- **Linking** and **interoperability** facilitating discovery, reuse and data integration
- Support principles of Open Science: promote **transparency** and **reproducibility**
- Support **trustworthiness**
- **Citation tracking**
- Facilitate cross-system collaboration: Connection of PIDs via associated **metadata** (to create PID graphs)

Metadata connection

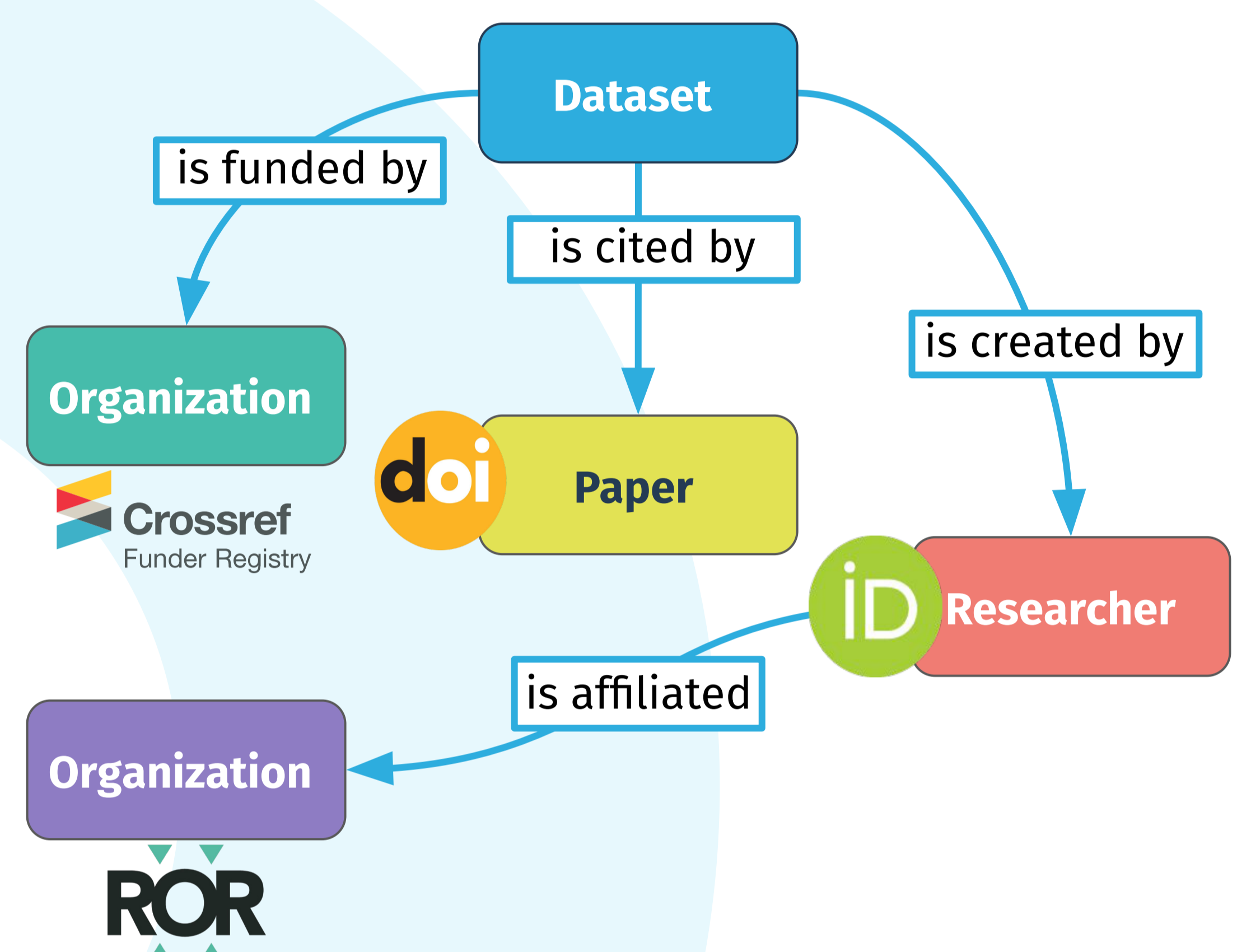


Fig. 2: Metadata that represents relationship between entities [1]

Addressing community needs

Benefits of our service

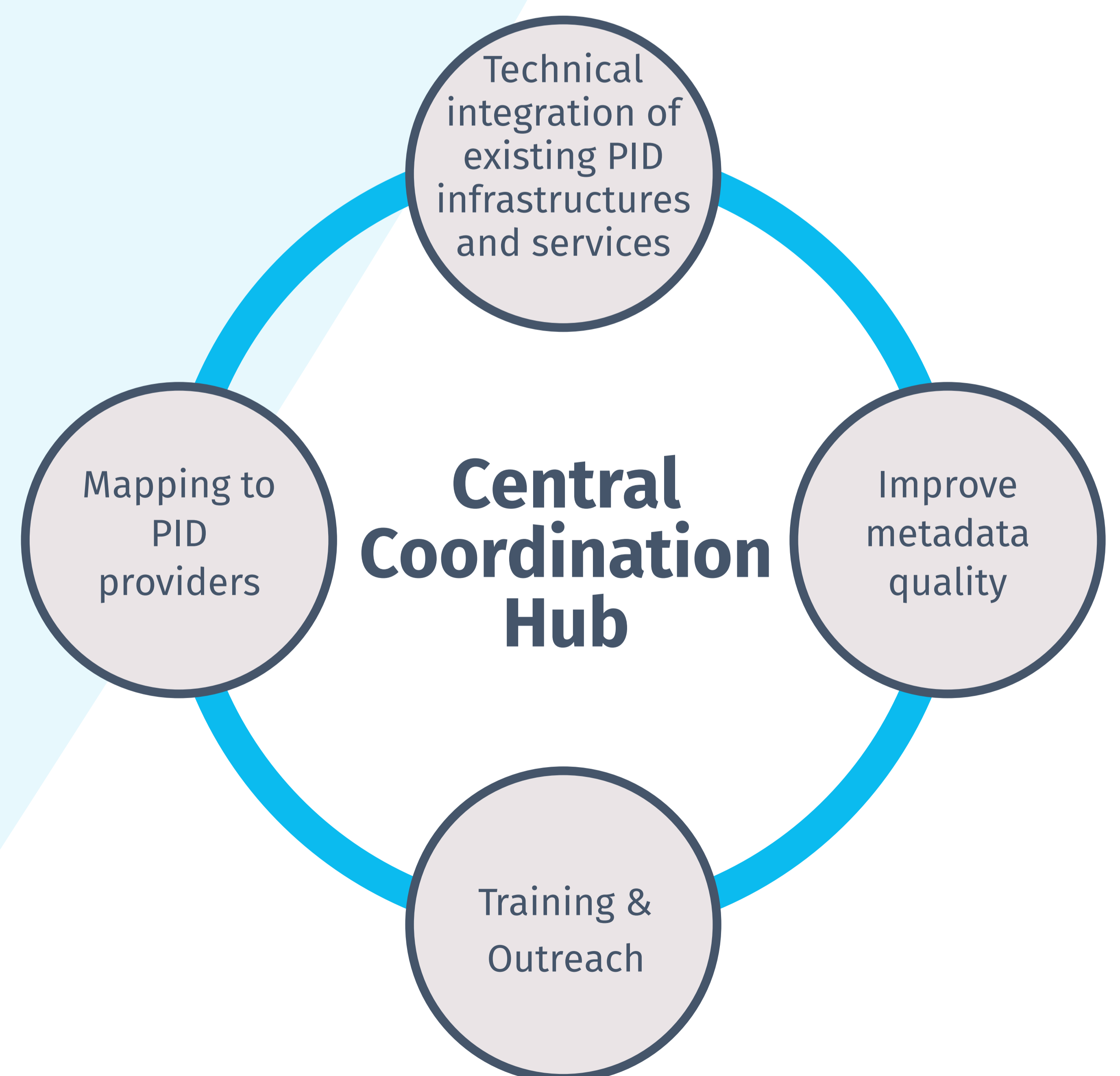
Landscape: use cases across disciplines, comprises various stages of the research lifecycle

Networking with national and international PID stakeholders

Interoperability: PID services operating to internationally accepted standards.

Support: Training to maximize PID and metadata potential for FAIR implementation.

Governance: Establishing requirements for persistence and cross-service utilization.



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Project partners:

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Reference:
[1] doi.org/10.5281/zenodo.11184733
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