

Title: Pure support for research ecosystems through National Persistent Identifier Strategies. Interim review and discussion.

National Persistent Identifier (PID) strategies are coordinated efforts by countries to implement a framework for the use of PIDs across their research ecosystems. They are core to the concept of FAIR data principles and aim to standardise the identification of research outputs, such as datasets, publications, project, and researchers, facilitating better data management and accessibility

A well-functioning PID infrastructure connects all elements of the research lifecycle. PIDs are essential for modern research and associated research systems, ensuring unique identification and accessibility of research components. Through coordinated efforts they contribute

- Improved connectivity across the research ecosystem
- Improved automation and efficiency (time saved for administrators and researchers)
- Better opportunities for monitoring and assessment
- Better support for an open research infrastructure.

As part of our discovery activities in 2025, the Pure team are running a project with the goal of reviewing the requirements for PID support as reported by our communities against current capabilities. The outcome of the review will provide recommendations, outline the business case for further investment and consider any roadmap implications.

This presentation aims to provide attendees with the interim results of our discovery work, focusing on the scope and requirements, UI and Data model alignment and integrations work needed. The presentation will allow Pure users to contribute to the prioritisation of the improvements required as we progress into the next planning round.

To effectively prioritize our future initiatives, it is essential to gain a comprehensive overview of the Persistent Identifiers (PIDs) currently available in Pure and their utilization across integrations, the public portal, and export functionalities. With years of experience working in the realm of PIDs, our team has gathered valuable insights that will inform our approach moving forward.

Examples to mention:

- **Persons:** As an ORCID Certified Service Provider, we have received certification confirming that our handling of ORCID in data import and export adheres to all recommended practices. This includes the proper authorization of researchers' ORCID IDs, best practices for using ORCID for matching during data imports from various sources, and the seamless export of data back to ORCID and other systems. Additionally, we ensure that ORCID IDs are accurately displayed on public portals, enhancing visibility and accessibility for researchers.

- Organisations: We utilize ids from Research Organisation Registry (ROR) for matching alongside exposing these identifiers via OAI-PMH, facilitating seamless integration and recognition of organizational data
- Research Output: Allowing for minting of DOI on records published by the institution. Handle.net support
- Dataset: Minting of DOI on records published by institutions
- Student Thesis: Handle.net support

In this presentation, we will share our findings on the current state of PIDs within Pure, highlighting their significance in enhancing research visibility and interoperability. We will discuss best practices for managing and making PIDs actionable and explore how our experiences and lessons learned can guide future developments and improvements.

Join us to learn about the critical role of PIDs in research management and how we can collectively enhance their effectiveness in supporting the broader research ecosystem. Your participation will contribute to a meaningful dialogue on optimizing PID utilization in CRIS systems.