



ARMA 2022

HYBRID CONFERENCE

15-16 November | Virtual

22 November | Newcastle

Connecting Communities:
building resilience and value
in an evolving international
research ecosystem

Developing an international approach to the adoption of Persistent Identifiers (PIDs) for research

Christopher Brown, Product Manager - Jisc

Persistent identifiers (PIDs)

- A long-lasting reference to a digital resource
- An essential element of global research data infrastructures, central to building and maintaining reliable and robust links between people, communities and infrastructures

Jisc to lead on selecting and promoting a range of unique identifiers, including ORCID, in collaboration with sector leaders with relevant partner organisations.

Funders of research to consider mandating the use of an agreed range of unique identifiers as a condition of grant. (Recommendation 8)

Open access to research publications
– 2018 Independent advice to the UK government, Prof. Adam Tickell

PID roadmap

Working with stakeholders and community

- **PID Roadmap report*** (July 2019)
 - Identified 5 priority PIDs
 - Proposed the outline of a national PID strategy
- **UK PIDs for Open Access** project (Dec 2019 – Mar 2021)
 - Creating a roadmap to implement the strategy
 - Explore barriers and opportunities for PID adoption in the UK
 - Build a community around the strategy
- **Focus groups** for each priority PID involving stakeholders.
 - Explored major sector requirements around education and support
 - Emphasised need for leadership and strong governance



* https://repository.jisc.ac.uk/7840/2/PID_roadmap_for_open_access_to_UK_research.pdf

PID roadmap

Working with stakeholders and community

- **PID adoption survey** (Aug 2020)
 - Technical barriers and costs of PID adoption are seen as too high
 - The value proposition for PIDs is not understood
- **Research Identifier National Coordinating Committee (RINCC)** (Dec 2020)
Includes stakeholders from across the sector to focus on governance and community accountability
- **Building a business case for investment in PIDS** (Mar – Aug 2021)
 - Cost-benefit analysis <https://zenodo.org/record/4772627#.YwSU9xzMJPY>
 - PID optimized workflows
 - Communication and community development



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PID roadmap

Current status

- **‘Phase 3’** (June – Oct 2022)
 - **PID Support Network** - Business planning and roadmap to establish a dedicated team of technical, educational, and communications specialists hosted at a trusted UK institution to drive forward the PID agenda
 - **UK RAiD Registration Agency** - Business planning and roadmap to establish a registration agency in the UK
 - **RAiD pathfinder projects** to pilot RAiD in HEIs
- **RINCC meeting** (Nov 2022 TBC) to present outputs from Phase 3 to governance group



@chriscb

Developing an international approach

How can we coordinate and align different national PID strategies and bring together international PID experts?



Who can join the Research Data Alliance?

Any individual or organisation, regardless of profession or discipline, with an interest in **reducing the barriers to the sharing and re-use of data** and who agrees to RDA's guiding principles of:

Openness

Consensus

Inclusive

Harmonization

Community-driven

Non-profit and technology-neutral



Vision

Researchers and innovators openly share and **re-use** data across technologies, disciplines, and countries to address the grand challenges of society

Mission

RDA builds the **social and technical bridges** that enable open sharing and **re-use** of data

THE RESEARCH DATA ALLIANCE

www.rd-alliance.org

building the social and technical bridges that enable open sharing and re-use of data

**59 FLAGSHIP
OUTPUTS**

including 8 ICT
Technical Specifications

**200+ ADOPTION
CASES**

across multiple
disciplines, orgs &
countries

**87 GROUPS WORKING ON GLOBAL DATA
INTEROPERABILITY CHALLENGES**

33 Working Groups
53 Interest Groups
1 Community of Practice

**12,689 INDIVIDUAL MEMBERS FROM 148
COUNTRIES**

UK Members – 1034
Second largest after USA

**58 ORGANISATIONAL MEMBERS
12 AFFILIATE MEMBERS**

International partnership development



Who is interested?

Set up a 'Birds of a Feather' session at the RDA 17th Plenary (22/04/21) with partners from Australia, Brazil, Canada, Finland and the Netherlands.

- 6 case studies presented
- Looked at commonalities and divergences between them
- Assessed the potential benefit of collaboration and alignment in the development and implementation of future national initiatives



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International partnership development



From BoF to Working Group

Established a National PID strategies working group at RDA (following on from the BoF session)

- Developed case statement for the WG. Endorsed by the Technical Advisory Board
- Fleshed out the WG's case statement and planned activities at RDA 18th Plenary
- Officially recognised and endorsed



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National PID Strategies WG



WG page: <https://www.rd-alliance.org/groups/national-pid-strategies-wg>

Status: Recognised & Endorsed

Members: 50

Co-chairs:

- Christopher Brown, Jisc, UK
- Daniel Bangert, Digital Repository of Ireland, Royal Irish Academy
- Natasha Simons, ARDC, Australia
- Shawna Sadler, ORCID, Canada

Start date – 10 December 2021

End date – 10 June 2023

National PID Strategies WG



Enable coordination and community discussion to deliver the following:

- Coordinate and align different national PID strategies and bring together PID experts to support the group
- Map common activities across national agencies/efforts and produce a guide on the specific PIDs adopted in the context of national PID strategies
- Agree PID categories and define common metadata and standards for PIDs
- Agree a minimal set of PIDs for international interoperability
- Include example ideas on governance and common workflows
- Show the benefits from having a national PID strategy and adopting priority PIDs and the investment requirements

National PID Strategies WG



Milestones and Deliverables

0-6 months

- Case studies: UK (Jisc), AUS (ARDC), CAN (Digital Alliance), NL (SURF), NZ (National Library of New Zealand), KOR (KISTI)
- Draft guide v1 - common elements of national PID strategies (includes case studies)

6-12 months

- Case Studies: Japan, Brazil, Finland, Germany, and others
- Draft guide v2 - adding common metadata and standards plus minimal set of PIDs to support international interoperability, plus examples of governance and workflows

June 2023

- Final report

Developing a 'how-to' guide for National PID Strategies



RDA 19th Plenary / International Data Week session (June 2022)

Highlighted the WG's achievements in the first 6 months and its deliverables - reviewing the draft guide and the first 6 case studies

Key Outcomes/Actions/Takeaways:

1. National PID Strategies are in the early stages. Most countries do not have a “strategy”, they have an emerging initiative or approach. The environment is in flux, so the case studies and guide are snapshots in time
2. The scope of a strategy/approach varies between countries but there are common elements, drivers and PIDs between the case studies
3. More case studies will be collected and the guide will be further developed over the next 6 months

Thank you

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