

eResearch NZ



Australian Research Data Commons

PIDs BoF

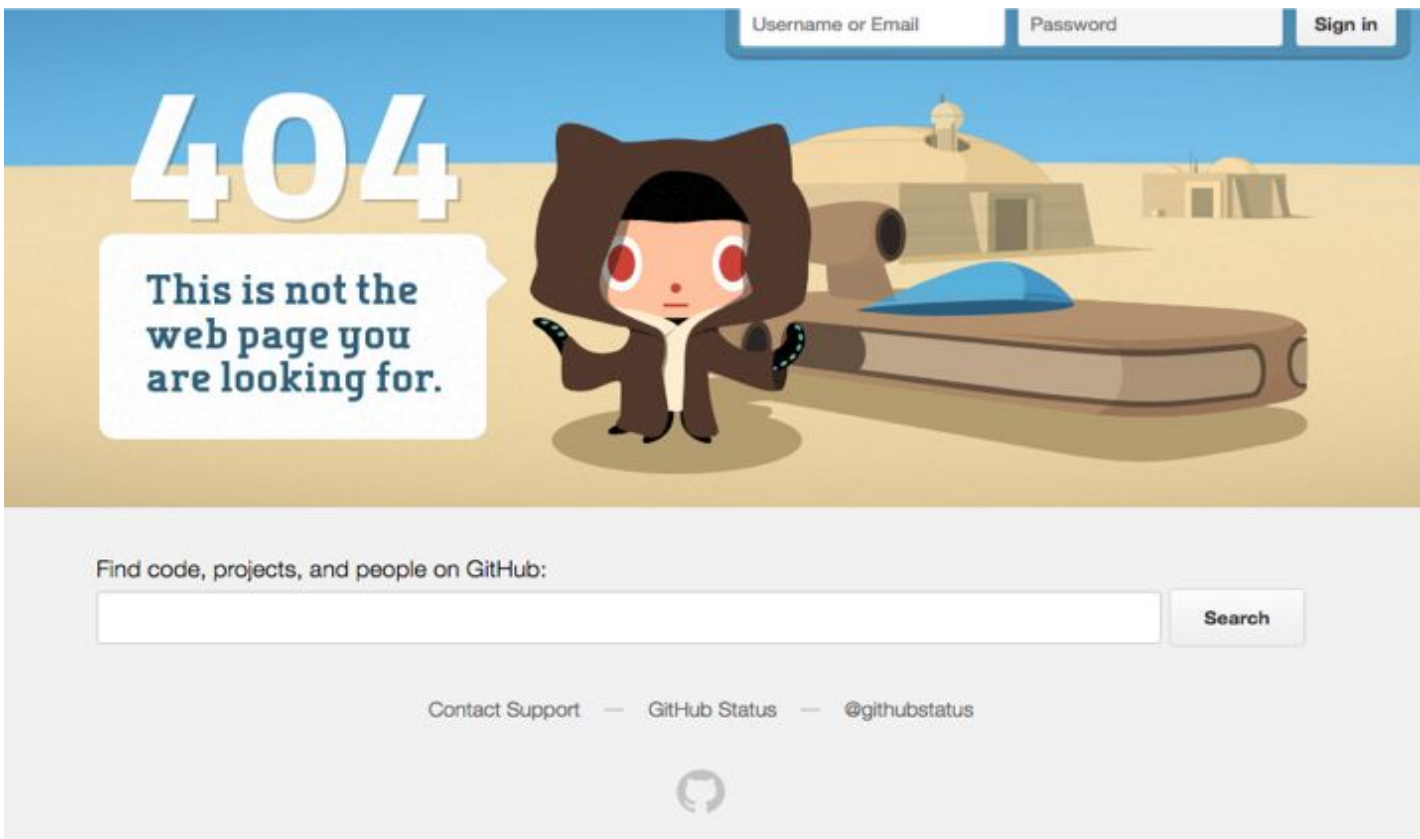
The value of persistent identifiers in research

PRESENTED BY

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19 February 2019

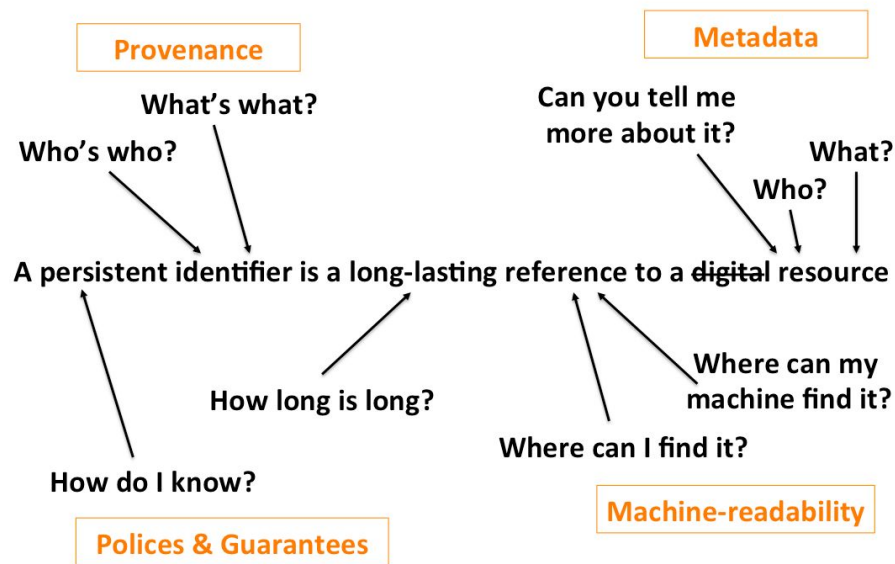
# What's the problem?



## Solution: Persistent Identifiers (PiDs)?

A persistent identifier is a long-lasting reference to a resource

# PID evolution



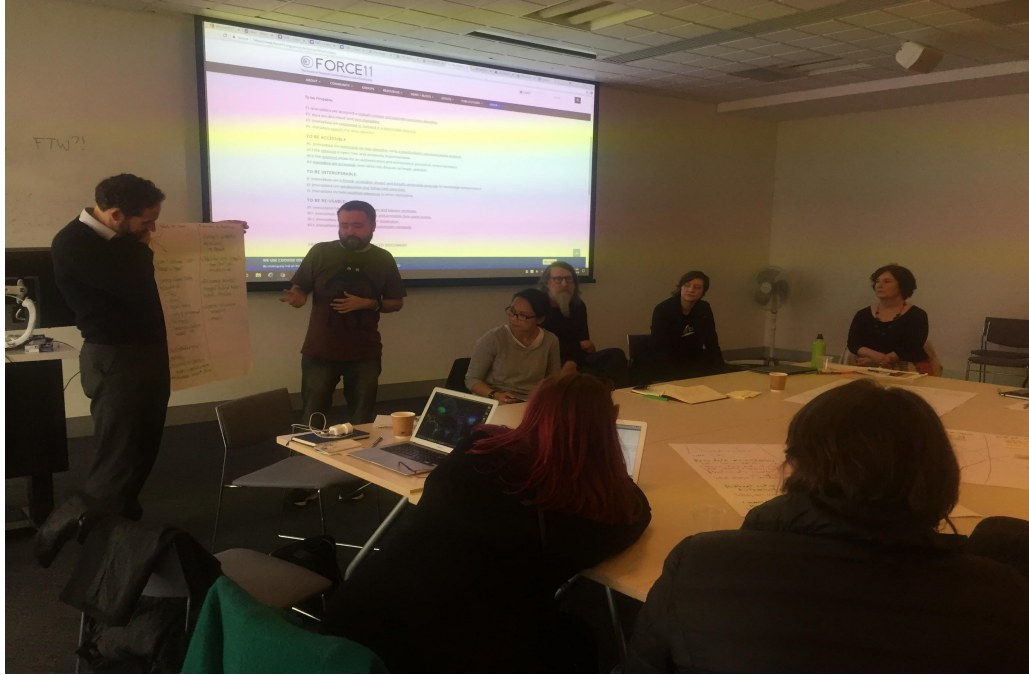
Source: Jonathan Clark, Persistent Identifiers: Why, what and how? THOR webinar, May 2017 <https://doi.org/10.6084/m9.figshare.5016803>



Graph view of a dataset context from Research Data Australia in 2019:

“Pharmaceutical Industry funded events for Australian Health Professionals”

# The sweet spot: where community meets technology



It takes a village to raise a PID. Recipe includes:

- Policy
- Awareness
- Skills
- Community
- Culture

# Example: ARDC DOI service

**Service** - ARDC DOI service, in partnership with DataCite

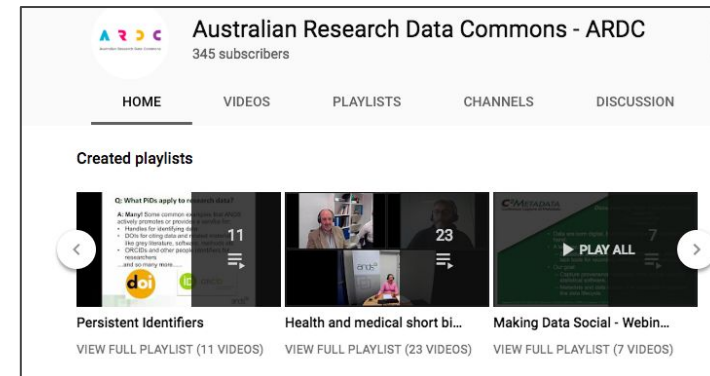
**Policy** - ARDC DOI service policy

**Awareness** - web pages, guides, workshops, webinars, projects

**Skills** - incorp. into workshops, 23 Things, supporting materials, webinars, FAQs etc.

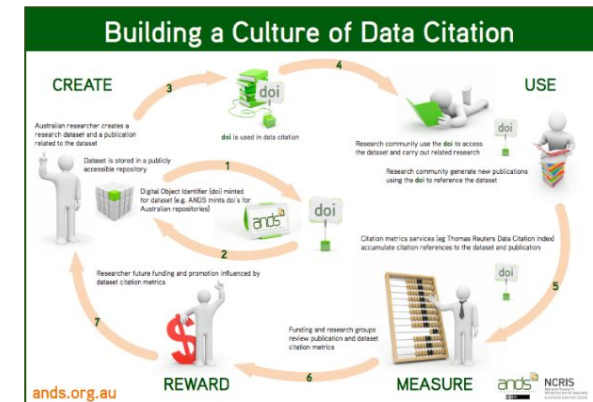
**Community** - sharing experiences in webinars and workshops

**Culture** - contributing to building a culture that value data and data citation



ANDS | Working with data | Skills | 23 (research data) Things | Things 1 to 23

## Thing 14: Identifiers and linked data







**PIDapalooza**

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<https://twitter.com/pidapalooza> & [pidapalooza.org](https://pidapalooza.org)



# Welcome to FREYA

Connected Open Identifiers for Discovery, Access and Use of Research Resources



## The three pillars of FREYA

The *PID Graph* connects and integrates PID systems, creating relationships across a network of PIDs and serving as a basis for new services

The *PID Forum* promotes engagement with the global community via the Research Data Alliance and through organising conferences, workshops and other PID-themed events

The *PID Commons* addresses the sustainability of the PID infrastructure resulting from FREYA beyond the lifetime of the project



<https://www.project-freya.eu/en>

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## **Scholix: A Framework for Scholarly Link eXchange**

The goal of the Scholix initiative is to establish a high level interoperability framework for exchanging information about the links between scholarly literature and data. It aims to enable an open information ecosystem to understand systematically what data underpins literature and what literature references data. [Scholixplorer](#) is the first exemplar aggregation and query service fed by the Scholix open information ecosystem. The Scholix framework together with the Scholixplorer aggregation are designed to enable other 3rd party services (domain-specific aggregations, integrations with other global services, discovery tools, impact assessments etc).

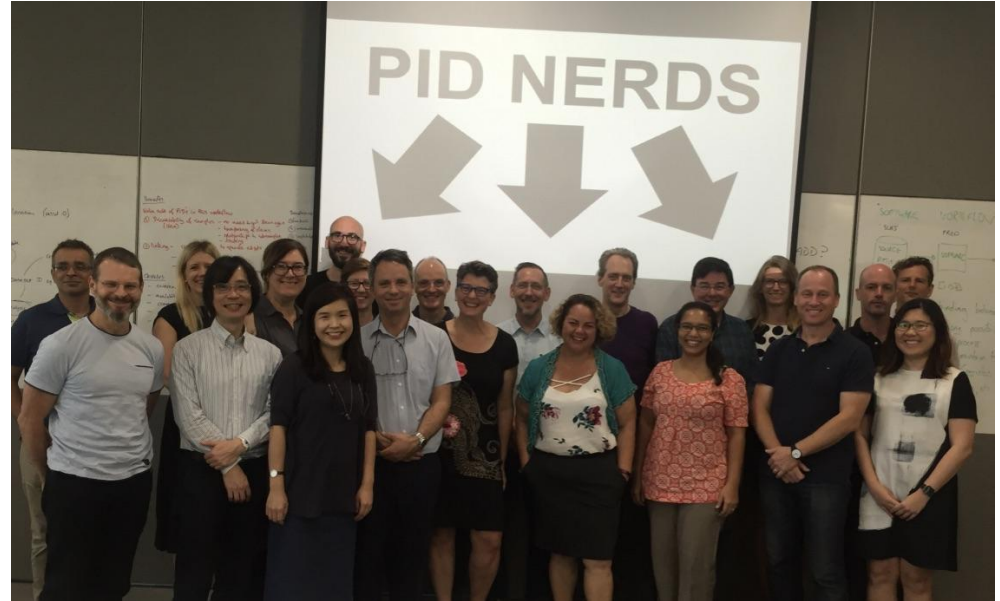
Scholix is an evolving lightweight set of guidelines to increase interoperability. It consists of:

- A consensus among a growing group of publishers, datacentres, and global/ domain service providers to work collaboratively and systematically to improve exchange of data-literature link information
- Information model: conceptual definition of what is a Scholix scholarly link
- Link metadata schema: metadata representation of a Scholix link
- Options for exchange protocols (forthcoming)

<http://www.scholix.org/>

# Singapore & London PIDs workshops – August & November 2018 – ARDC, ORCID, FREYA, JISC UK

- The beginnings of an internationally coordinated strategy for communicating the benefits of uptake and use of PIDs for different research/scholarly communications stakeholder groups
- A pooling of resources (expertise, people, money, convening power, venue etc.) that can be contributed to an international PIDs campaign





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## PID IG

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IG

### **i** Group details

**Status:** [Recognised & Endorsed](#)

**Chair (s):** [Jonathan Clark](#), [Laurel Haak](#), [Adrian Burton](#)

**Case Statement:** [Download](#)



IG Established

The pervasive use of persistent identifiers is seen as a foundational element in anchoring and referencing research data in an interoperable way. The purpose of the Persistent Identifier Interest Group is to synchronize identifier-related efforts, address important and emerging PID-related topics and coordinate activities, including appropriate RDA Working Groups, to practically solve PID-related issues from the engaged communities.

The PID IG will foster working groups to address specific topics, and in particular to address and define emerging PID use cases in the domain of data, and whether the research community would benefit from a global open identifiers for persons, data objects, organizations, grants, etc. Where applicable the PID-IG will collaborate with existing RDA working groups, or it will establish new working groups based on priority areas as identified at RDA plenaries.

A full charter document can be found [here](#).

### PID IG

**Status:** [Recognised & Endorsed](#)

Public - accessible to all site users

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<https://www.rd-alliance.org/groups/pid-interest-group.html>