Why a National PID Strategy?

Workshop: National PID Strategy

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PRESENTED BY

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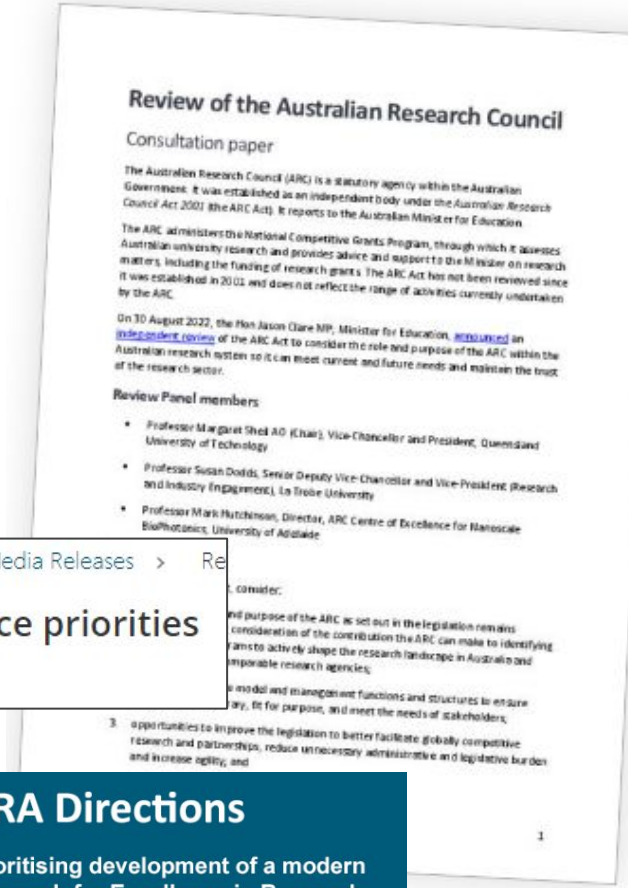
Accelerating Research and Innovation

Increased focus on

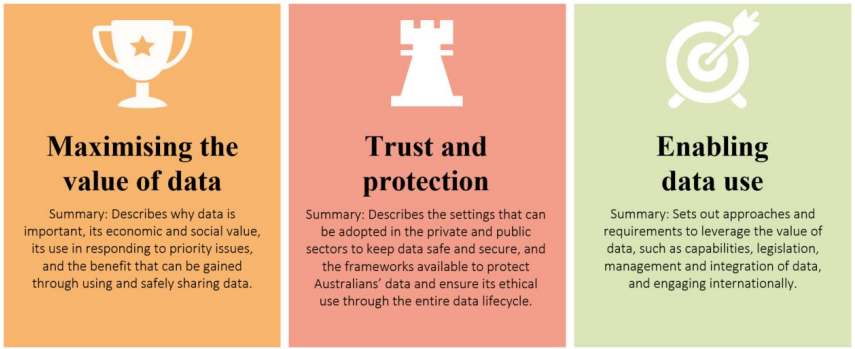
- accelerating world class research
- reducing administrative burden
- increasing the impact of research and its contribution to areas of national importance



NCRIS National Research Infrastructure for Australia
An Australian Government Initiative
ARDC is enabled by NCRIS

A Data Driven Society by 2030: The Australian Data Strategy

- By 2025 the volume of data created in that year will be 4 times the amount of data in existence in 2020
- Data is the building block to create new value, streamline processes and optimise value chains
- The data deluge means we need to manage data for machine readability



Strategic Value Proposition

Managing data across the research and innovation ecosystem can

- *Fuel research excellence*
- *Drive innovation*
- *Increase impact and*
- *Deliver greater agility, transparency and administrative efficiency*

Persistent Identifiers are a critical component of a world-leading national information infrastructure

What are the cost-benefits of PID investment?

Report found that use of PID investment could save:

- Nearly **38,000 person days per year** (total time cost of rekeying metadata about grants, publications and projects)
- Nearly **$24 million per year** (direct financial cost of this wasted effort)**.**
- Accounting for the opportunity cost associated with technology transfer and innovation-led growth suggests a far higher figure of **$84 million per year.**

Summarised recommendation:

- Develop a national PID strategy for Australia based on ‘priority PIDs’

I'd love to be able to evidence the value of this research equipment to research and innovation

If only we could be sure if four different plant samples in different Herbaria were from the same plant - it would help us be more aware of vulnerable species

How many time do I have to provide the same information?

If we could better evaluate the impact of our different grants we could invest in ones that are the most impactful?

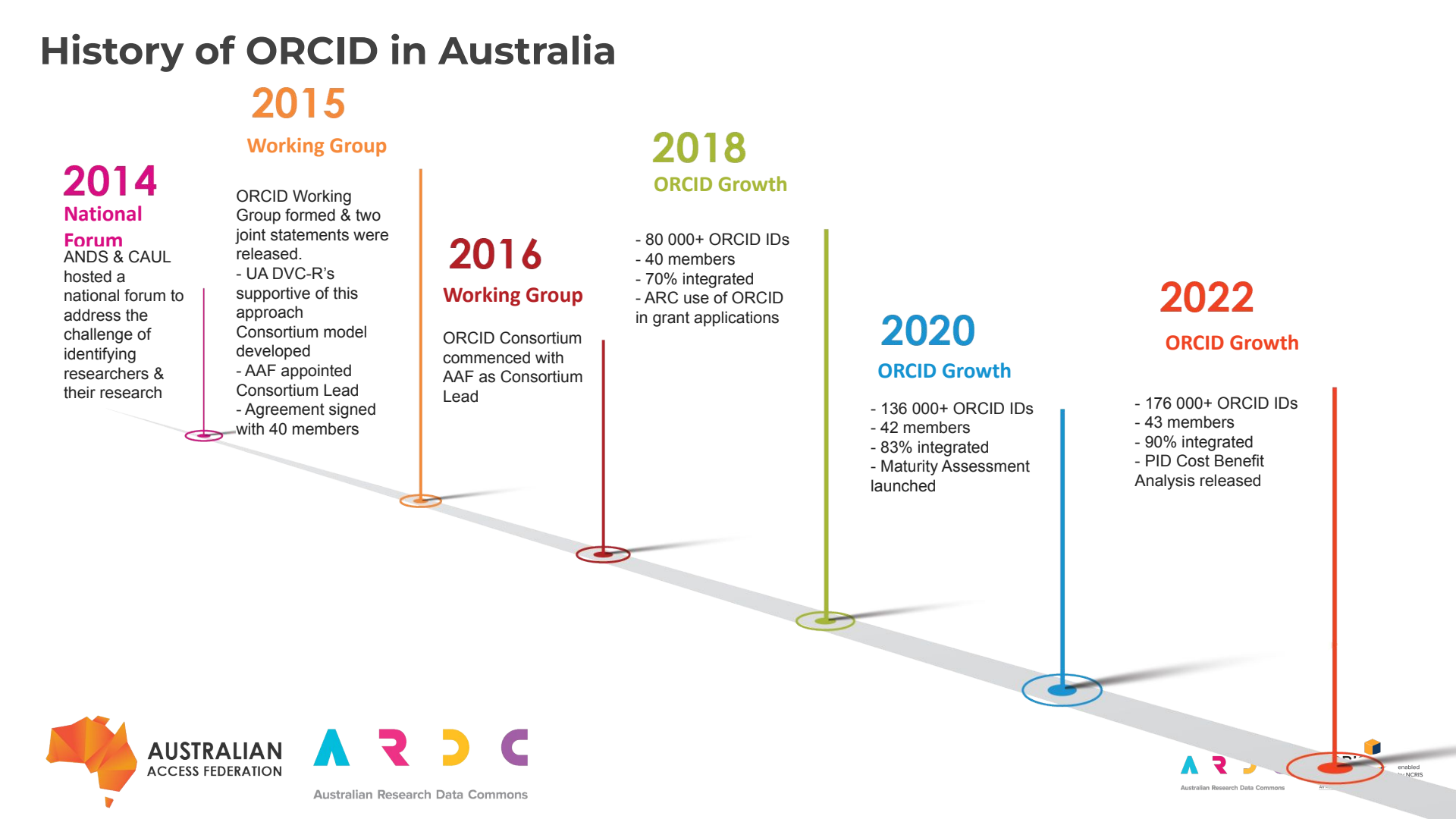
If we had a helicopter view of how research and the sector interact - we keep throwing money but don't seem to get the outcomes we are seeking. We have siloed views. How do we better understand the health ecosystem to drive research-led innovation?

We upload details of all our funded industry research projects via Excel twice a year. It would be great if we could use APIs.

Imagine if we could link researchers with potential sources of industry grant funding when their ARC or NHMRC grant failed? They are often great proposals.

What if we could use PIDs to auto-populate grant reporting. Imagine the time it would save!

History of ORCID in Australia



AUSTRALIAN ACCESS FEDERATION

Australian Research Data Commons

Annual ORCID cost savings for members

SAVING OF

$4.5M

FOR MEMBERS
2016-2022

- 43 members across Australia
- Lowers the barrier to entry
- Cost to members to join ORCID reduces by well over 50%
- In Country Support available from AAF

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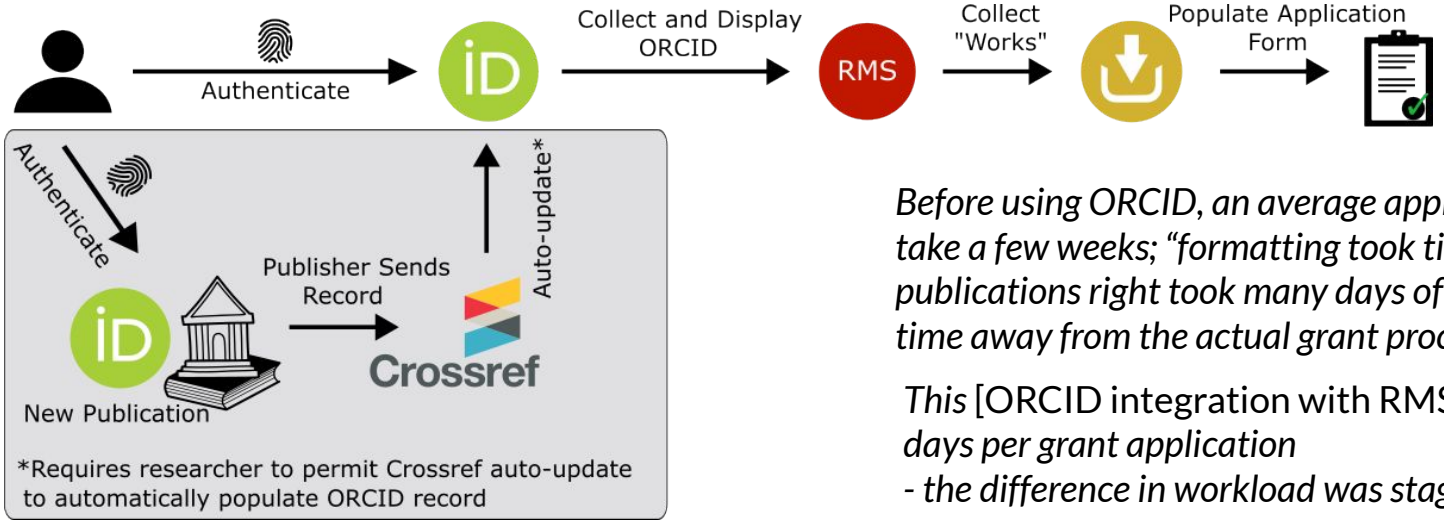
Case study: ARC ORCID integration

Prior to 2018, applications for grants from ARC required a hand-formatted list of publications.
But then…



Before using ORCID, an average application used to take a few weeks; "formatting took time, getting the publications right took many days of work". This took time away from the actual grant process.

This [ORCID integration with RMS] *saved me 3-4 days per grant application*
- the difference in workload was staggering!"

- Joe Shapter
Pro-vice-Chancellor, University of Queensland

PIDs and the Cambrian Explosion

ORCID
Connecting Research and Researchers

doi

ROR

RAiD

IGSN

RRID

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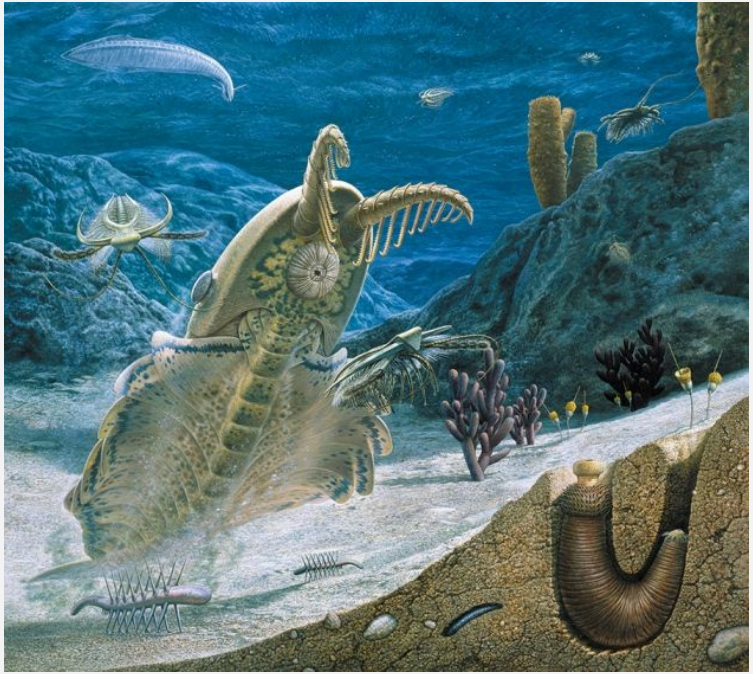
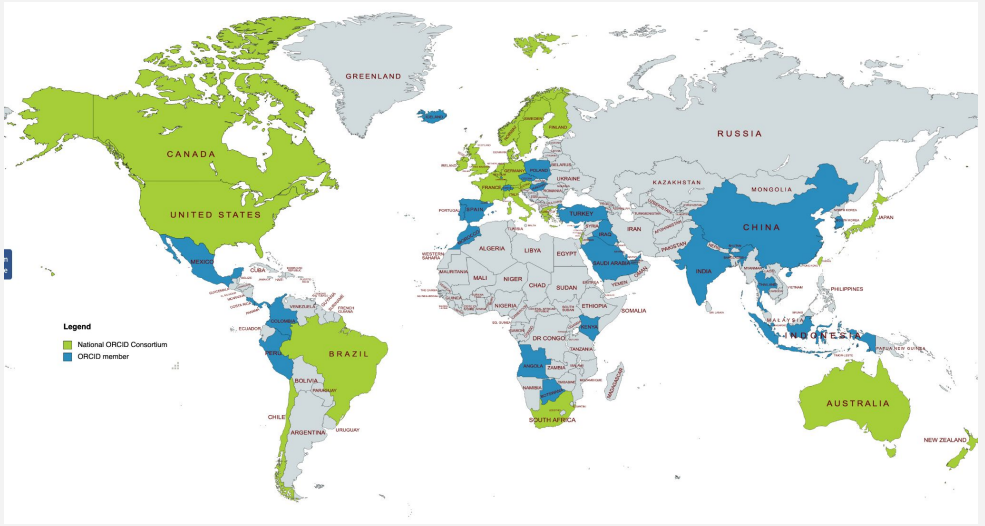
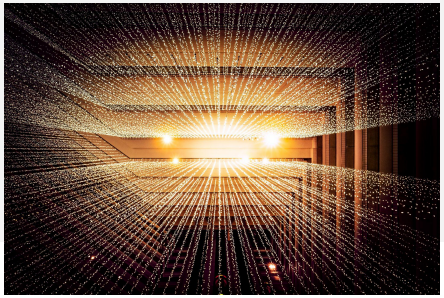
Complexity of PIDs on earth





Map of ORCID membership & Consortia worldwide



PIDs as national infrastructure - a good foundation

Identifier for	Identifier type	Offered by	In collaboration with international PID provider
People	ORCID	AAF led Australian ORCID Consortium	ORCID
Data, software, instruments, samples, 'grey literature'	Handle/DOI/IGSN	ARDC (DataCite Consortium lead)	DataCite IGSN Organisation
Projects	RAiD	ARDC	Handle system
Grants	PURL or DOI	ARDC or CrossRef	Internet Archive / CrossRef
Publications	DOI	Publishers or CrossRef	CrossRef
Organisations	ROR / GRID	ROR or Digital Science	ROR / Digital Science

A national conversation to create

A Strategy that delivers shared value for all stakeholders, and

A Roadmap built upon shared action and accountability

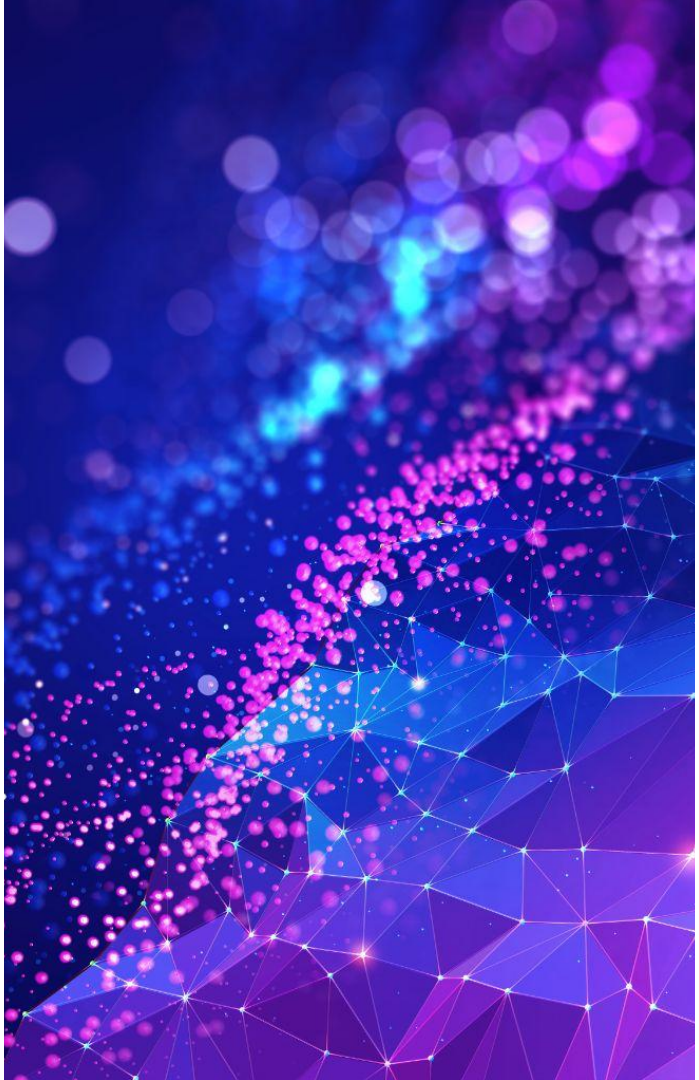
National PID Strategy and Five year Roadmap

Taskforce

1. Provide strategic advice to the sector on the development of the National PID Strategy and a five year Roadmap
2. Advocate for the engagement and commitment of key stakeholders to the development and implementation of the Strategy and Roadmap
3. Provide advice on a suitable governance structure to oversee the implementation of the Strategy and Roadmap

Working Groups

- Advise on how best to advance the development and implementation of PID(s) in this area including by considering relevant international initiatives and global trends
- WG Focus area ideas to date: Grants, Instruments, Organisation and Facilities, Projects, HERDC, Observations and Environmental Impact Assessments



Some questions for you to consider

- *If you could persistently identify, link and harvest specific information, which information? What could you achieve?*
- *How would you describe or measure the value of this?*
- *What are the immediate opportunities you can leverage? What are the barriers?*
- *How will approaching this as a national strategy and roadmap assist you?*
- *What can you do to support the success of this Strategy?*

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