

# Australian National PID Strategy

eResearch Australasia



17 October 2023

## PRESENTED BY

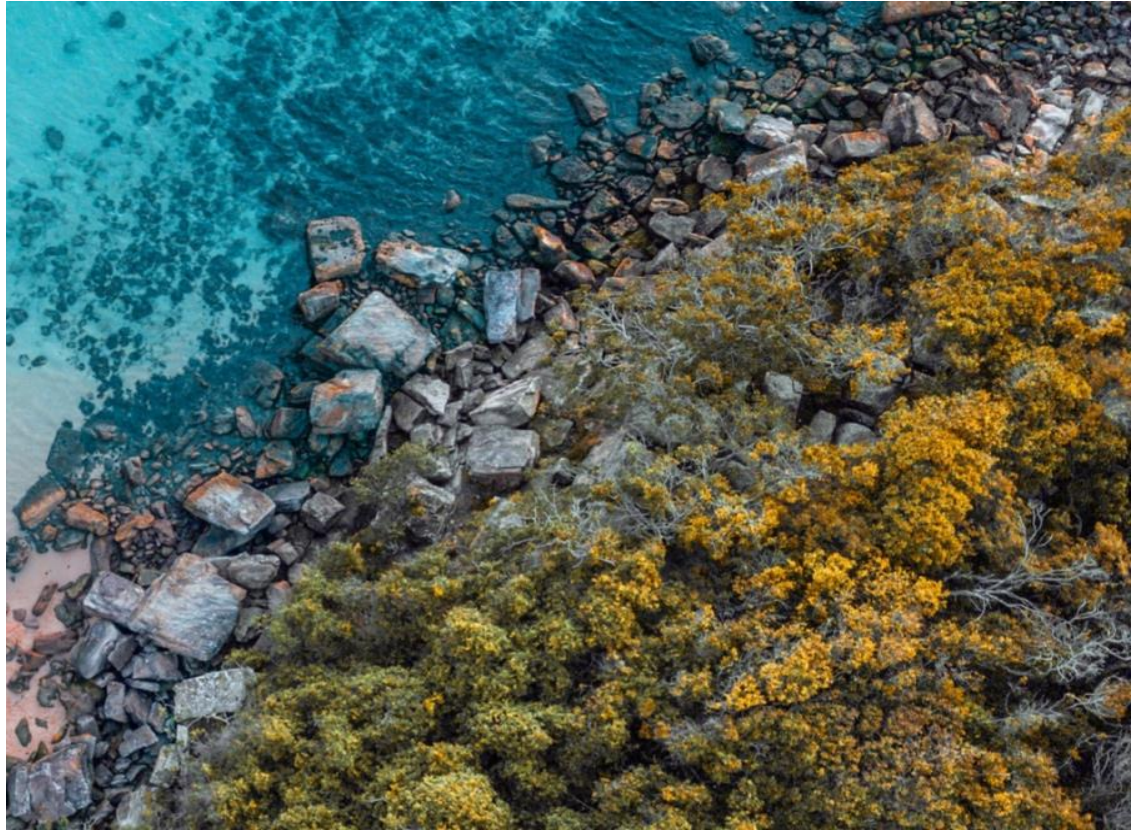
Natasha Simons, Linda O'Brien,  
Matthias Liffers

## FEATURING CASE STUDY:

Oona O'Gorman, ARC

# ACKNOWLEDGEMENT OF COUNTRY

We acknowledge and celebrate the First Australians on whose traditional lands we meet, and we pay our respect to their elders past, present and emerging.



# BoF Goals

1. Shared understanding of the national PID strategy, its aspirations and progress to date
2. Stakeholder input into proposed approach to developing and implementing a Roadmap and Capability Maturity Model Framework with “shared action and accountability”
3. Shared understanding of the ARC case study
4. Identification of next steps

# Agenda

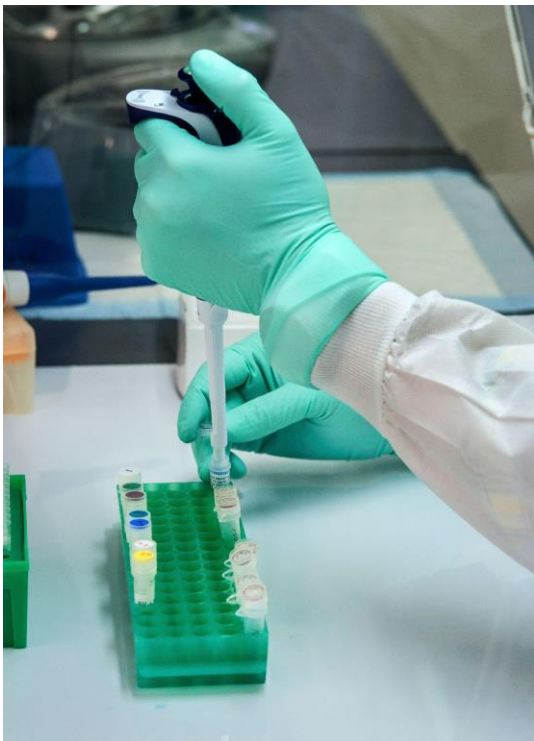
Time	Topic	Presenter/facilitator
10:00am	Welcome, acknowledgement, Introductions, agenda overview	Matthias Liffers
10.05am	Introduction to the National PID Strategy and Roadmap	Natasha Simons & Linda O'Brien
10.20am	Case study: Australian Research Council	Oona O'Gorman
10.30am	Questions & Discussion	Matthias Liffers
11.00am	Thanks and next steps	Natasha Simons & Linda O'Brien
11.05am	Close	

## Why a National PID Strategy?

- Exponential growth in digital data
- The elements supporting the research lifecycle are often siloed, difficult to find or access
- Leads to replication, duplication, barriers to cross-disciplinary research and challenges reproducibility
- Leads to administrative burden and unnecessary cost
- Deriving insights requires machine-readability (FAIR)



# Why a National PID Strategy?



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*

## Why a National PID Strategy?

2022 Report found that use of PID investment could save the Australian research sector:

- 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).

MOREBRAINS

### Incentives to Invest in Identifiers

A cost-benefit analysis of persistent identifiers in Australian research systems



What is the approach?

*A national conversation to create a strategy that delivers shared value for all stakeholders*

*A Roadmap built upon shared action and accountability*



## What is the vision?

The vision is to accelerate Australian research quality, efficiency and impact through universal use of connected persistent identifiers, realised through a national conversation to create a strategy that delivers shared value for all stakeholders and a Roadmap built upon shared action and accountability.



# The Strategy: Improve research quality & efficiency

## **1. Increase the Findability, Accessibility, Interoperability and Reuse of inputs to research**

to research include potential research partners, related research projects, grants, facilities, data, samples and observations. By increasing a researcher's ability to discover relevant inputs, we will reduce duplication, increase research productivity and potentially create impactful partnerships.

## **2. Increase the Findability, Accessibility, Interoperability and Reuse of research outputs**

The outputs from research include data, reports, methods, non-traditional research outputs and publications. By increasing the discoverability of these outputs, we can improve future research, create new kinds of research, reduce duplication and improve the timeliness of translating research into impact.

## **3. Improve research reproducibility, provenance and attribution whilst minimising administrative burden, enabling researchers to spend more time on research**

By linking researchers to projects, to grants, to organisations, to equipment, we can improve research reproducibility, provenance and attribution. Through the use of PIDs researchers can minimise the amount of time they spend on reproducing the same data many times over, releasing valuable time back into research.

# The Strategy: Optimise the national research & innovation ecosystem

## ***4. Improve our ability to evaluate research quality, impact and evidence of public benefit***

By linking elements across the research and innovation ecosystem through PIDs, we can more efficiently assess the performance of our research institutions with respect to research quality thresholds, better trace the impact of the research and through this, more readily explain the public benefit of the research.

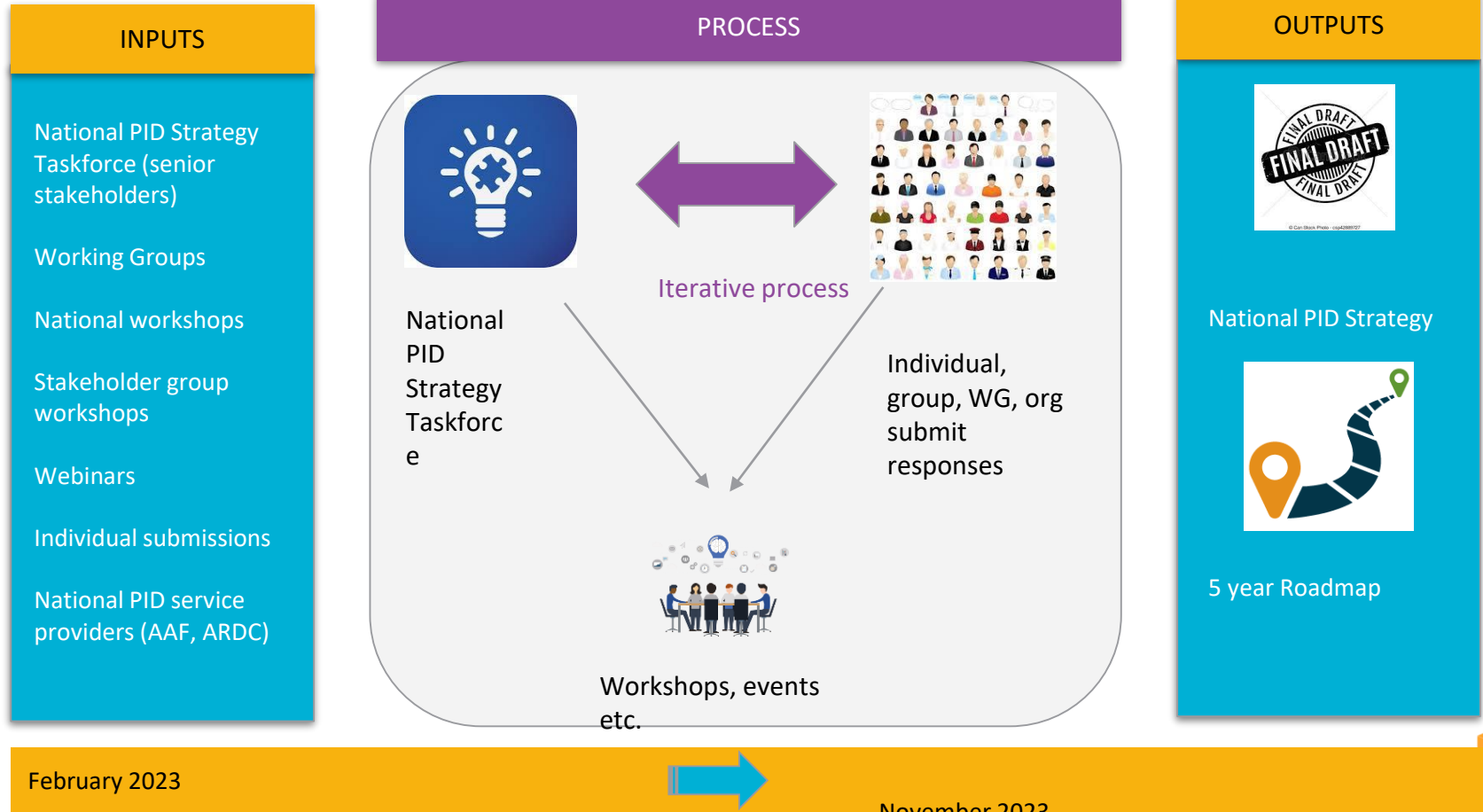
## ***5. Optimise our ability to understand the impact of research inputs such as grants and investment in research infrastructure***

By linking elements across the research and innovation ecosystem through PIDs we can better understand the relationship between the elements of the ecosystem, including between investment, use, outputs, outcomes and impact.

## ***6. Improve our ability to map Australia's research capability***

Australia needs the research capability to address our national priorities. PIDs for people, organisations, research services and infrastructure would enable us to map our research capability against national priorities and invest appropriately to address gaps.

# What are the components and timeline?



# Roadmap update

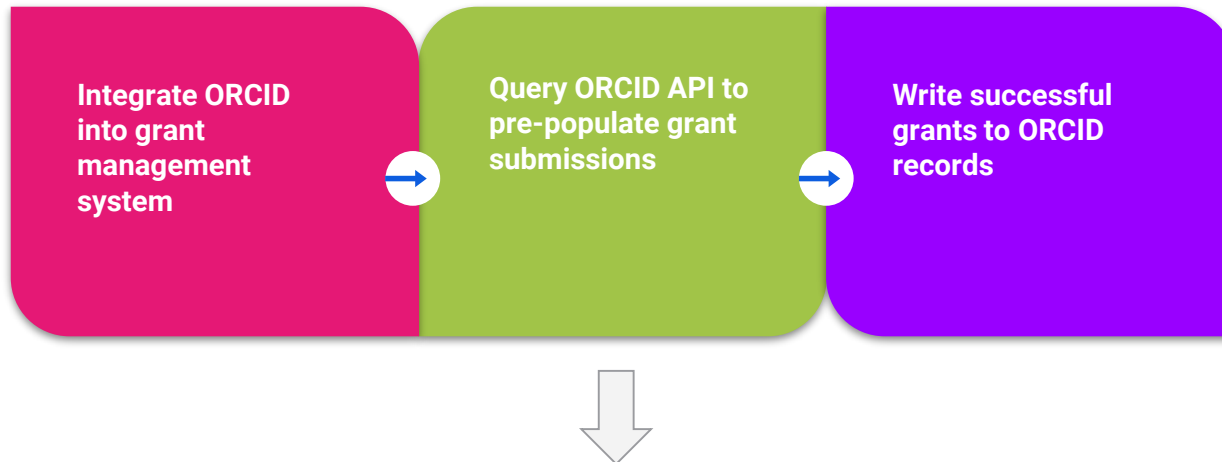


Enabled by capability maturity model tailored for stakeholder groups

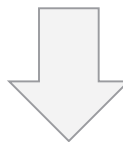
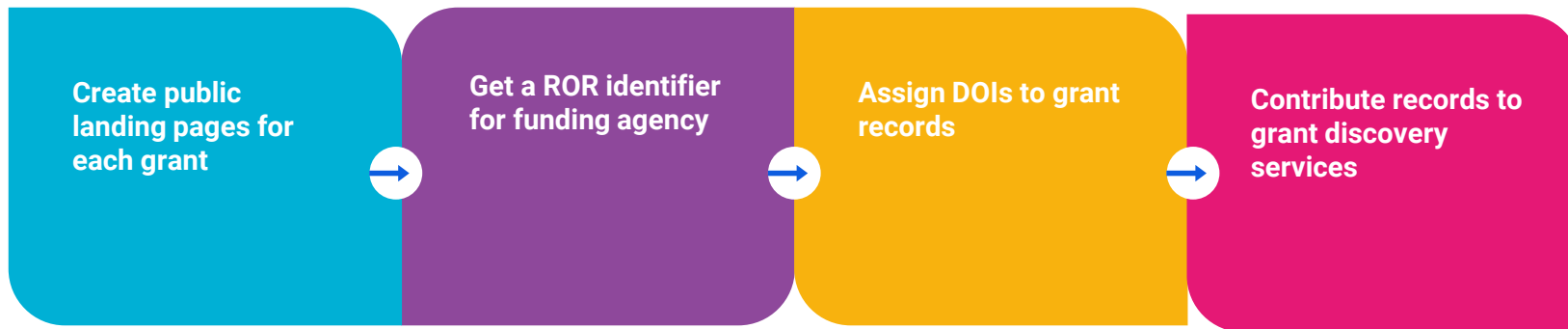
Interactive 'we will sign up to do this action' model

Enabled by national PID infrastructure provided by ARDC & AAF in partnership with international PID providers

# Capability Maturity Model - early days Funders example



# Capability Maturity Model - early days Funders example



**Making grants more discoverable for impact**

## Would you like to contribute?



<https://tinyurl.com/366x3f63>

We invite your feedback on the draft Strategy and your participation in contributing to the development of an accompanying Roadmap through any of the following:

- Review the draft Strategy and provide your feedback
- Send in a submission
- Join an open webinar or event
- Book a workshop for your team
- Invite us to present at your event

# More info? Contact the National PID Strategy team



**Linda O'Brien**

Consultant and Project  
Lead, National PID  
Strategy



**Natasha Simons**

Director, National  
Coordination, ARDC



**Matthias Liffers**

Product Manager,  
Persistent Identifier  
Services, ARDC



Subscribe to the  
**ARDC CONNECT**  
newsletter

## THANK YOU



[ardc.edu.au](http://ardc.edu.au)



[contact@ardc.edu.au](mailto:contact@ardc.edu.au)



+61 3 9902 0585



[@ARDC\\_AU](https://twitter.com/ARDC_AU)



[Australian-Research-Data-Commons](https://www.linkedin.com/company/Australian-Research-Data-Commons)