

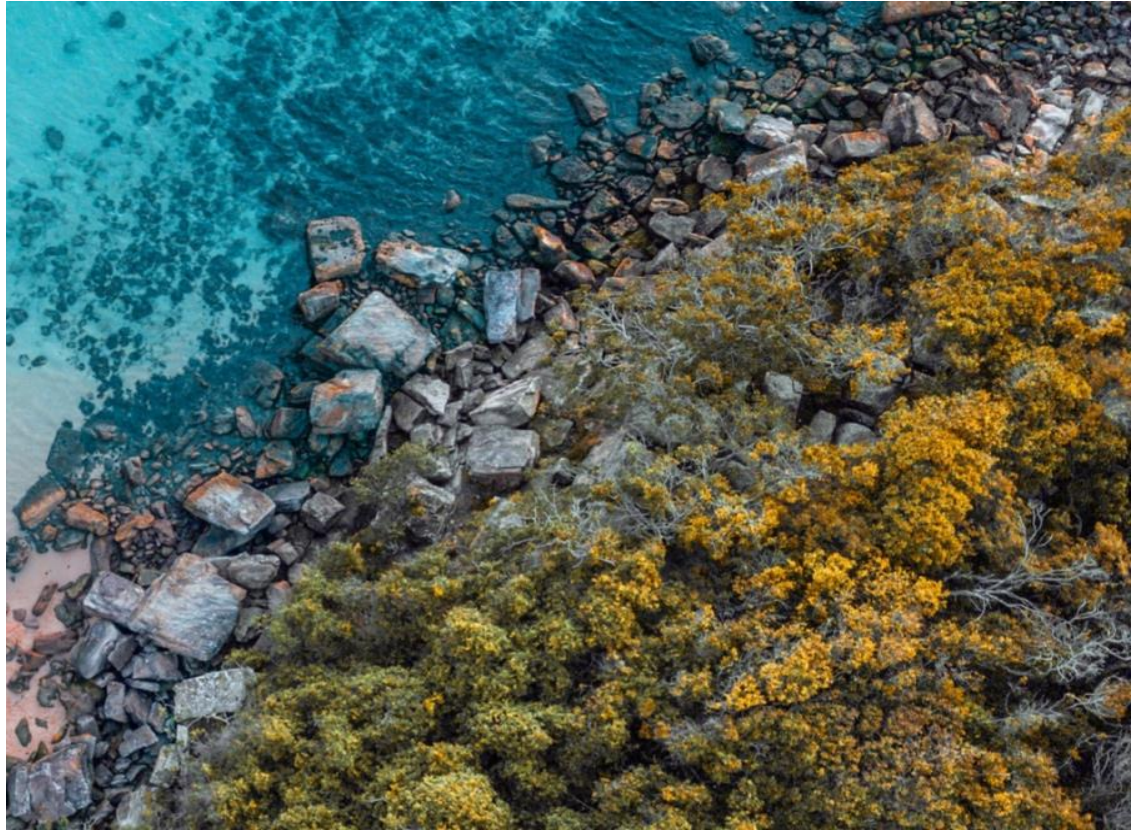
Introducing Research Link Australia – A new information capability linking research, business and government

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eResearch Australasia
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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.



The project focus - Fill in information gap

Need & Expertise
Identification

Problem
Formulation

Solution
Design &
Delivery

Customer
Acceptance &
Refinement

Further
Funding
Applications
& Outputs

Currently, there is no easy way for Australian businesses, policymakers and citizens to get an overview research expertise, research conclusions and research products.

Similarly, there is no simple way for researchers to identify industry research and development interest.

The RLA focus: Develop and provide a rich and shared research capability information platform to connect researchers and innovators

What is the Research Link Australia (RLA) project

The project aims to enable research and industry collaboration by improving visibility of government initiatives, R&D capability and collaboration opportunities from both Publicly Funded Research Organisations (FROs) and industry/business sectors, through a research capability information sharing and discovery platform: Research Link Australia (RLA)

- The project is funded Department of Education through NCRIS contingency funding (Phase 1, 18 months until May 2024)
 - Minimum viable product: Research Link Australia Platform (systems, services, support)
 - Shared strategic framework / governance / service model
 - Shared informatics standards
 - Gap analysis and roadmap - to guide Phase 2 development
- ARDC committed for 48 months (Phase 2 starting Q2 2024)

Why the Research Link Australia project

- Collaboration between research and industry is critical for innovation in Australia, driving productivity and economic growth, improving living quality and planet health. (we are a part of this larger goal)
- Increased support from Government for such collaboration
 - Initiative/Incentive: [National Reconstruction Fund](#), [Trailblazer University Program](#), [Grant funding for industry-led research collaborations](#), [Innovation Connections / CSIRO SME Connect](#), [University Research Commercialisation Action Plan](#), Tech/Innovation centres at state level, and more.
- Information/data ecosystem has been improving, including information availability and accuracy
 - For example: funding agencies requiring ORCID, publishers changing requirements, etc.
 - Ability to create information networks/knowledge graph of people, projects, research outputs, etc.
- RLA is a Dept. of Education funded project, intended for industry, researchers, facilitators and other initiatives to benefit from an enhanced information ecosystem and by leveraging the RLA.

How: Consultation, Codesign, Community of Collaboration

Consultation (Nov. 2022 - Feb. 2023)

- Collect 70+ use cases
- Derive 4 typical user stories



Workshop 1 (31 May)

- Project introduction
- Persons, needs and gaps
- Information requirements
- [Summary](#)

Workshop 2 (6 July)

- Service model
- Sustainability & evolution
- [Summary](#)

Workshop 3 (26 July)

- Information standards
- Trusted framework
- [Summary](#)

Workshop 4 (16 August)

- System demonstrator
- Feedback on consolidated workshop outputs (strategic framework, capabilities & gaps)
- [Summary](#)

RLA interim report: <https://bit.ly/RLA-interim-report-092023>

User story (from ~70 use cases, some early insights)



As a policy maker, research funder or national program initiative, I would like to **know national research capability** in biodiversity, so we can direct our funding effectively and efficiently; or organise a virtual national collaboration research network to address the biodiversity threat to the nation.



As an application developer of an agri-business facilitator/intermediary, I would like to know **who are the top five researchers from my state in this research area** of internet of things, who can help to optimise our network to monitor soil, water, crops, pastures and animals, etc; so that we can make better decisions.



As a research group, we have researched this nanodisk, our clinical research shows nanodisk can stick to the surface of a tumor longer than other shaped disks and thus provide efficient transfer to therapeutic drugs to the tumor. I want to find out **who are the top five manufacturers in Australia** with whom we can discuss future production opportunities.



I am a business eligible for the Government R&D tax incentive, can you **recommend a facilitator** who can guide me through this Government R&D grant application (or a collaboration end-to-end)?

Data needs

Grants
(Success, Unsuccessful, Opportunity)

R&D Tax Eligibility

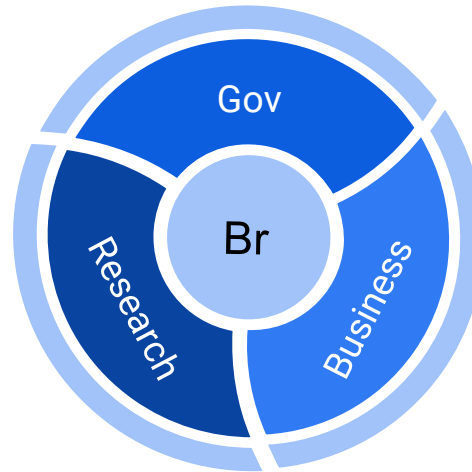
IP Info

Research Capability

Capacity

Interest & Culture Fit

Admin / Infra



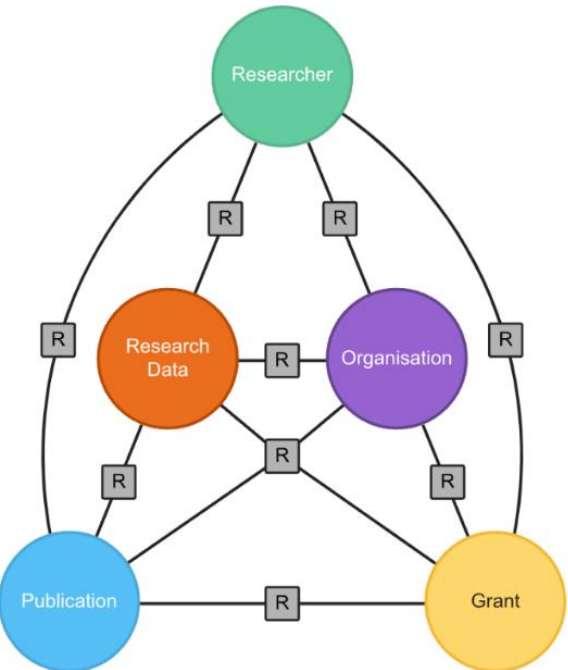
Business Profile

Research Understanding

Industry Classification

Br: Brokers/ Facilitators

Australia national PID graph



Provided by Research Graph Foundation Ltd.
last updated: 14 July 2023

Publication 9,705,081

- Including publication with co-authored by researchers with a links (employment or education) to Australian institutions

Researcher 699,334

- Including (110k) Australian researchers and their international collaborators (more than 500k) (from ORCID records)

Organisation 202,980

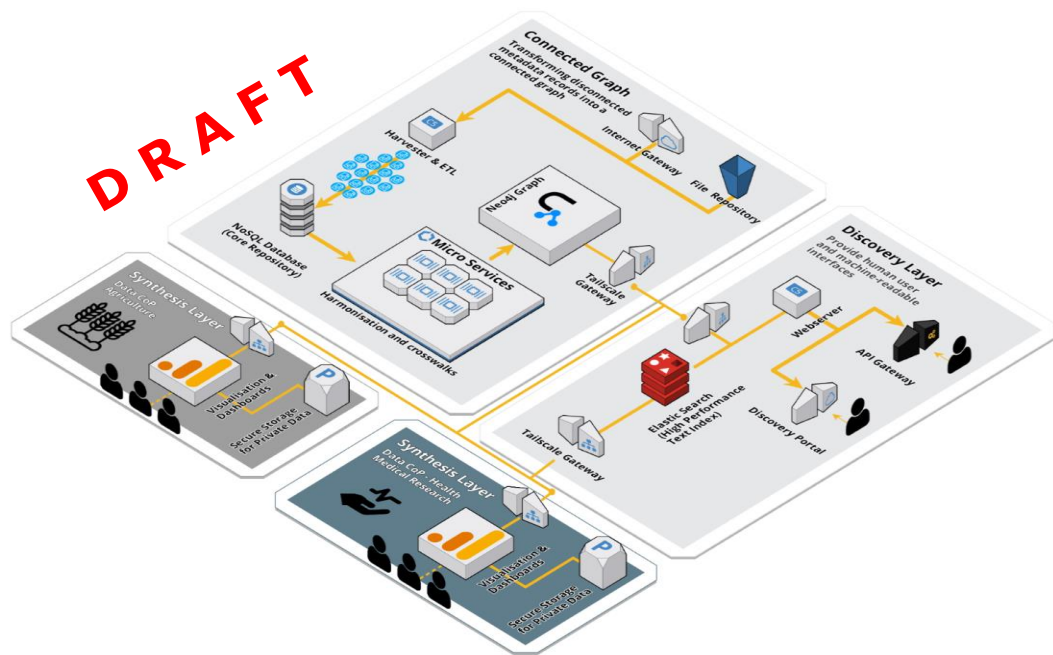
- Including 16,263 Australian organisations and more than 190k International organisation linked to Australian research such as joint funded projects, and co-authorship. Majority of international organisations are linked to co-authors who worked with Australian Researchers. (from ROR, WikiData, ISNI and Australian Business Register)

Dataset 26,937

Grant 61,391

- Collectively 2911 funders, including ARC, NHMRC and international funders such as European Commission (395), Canadian Institutes of Health Research (512), Wellcome Trust (185) and many more

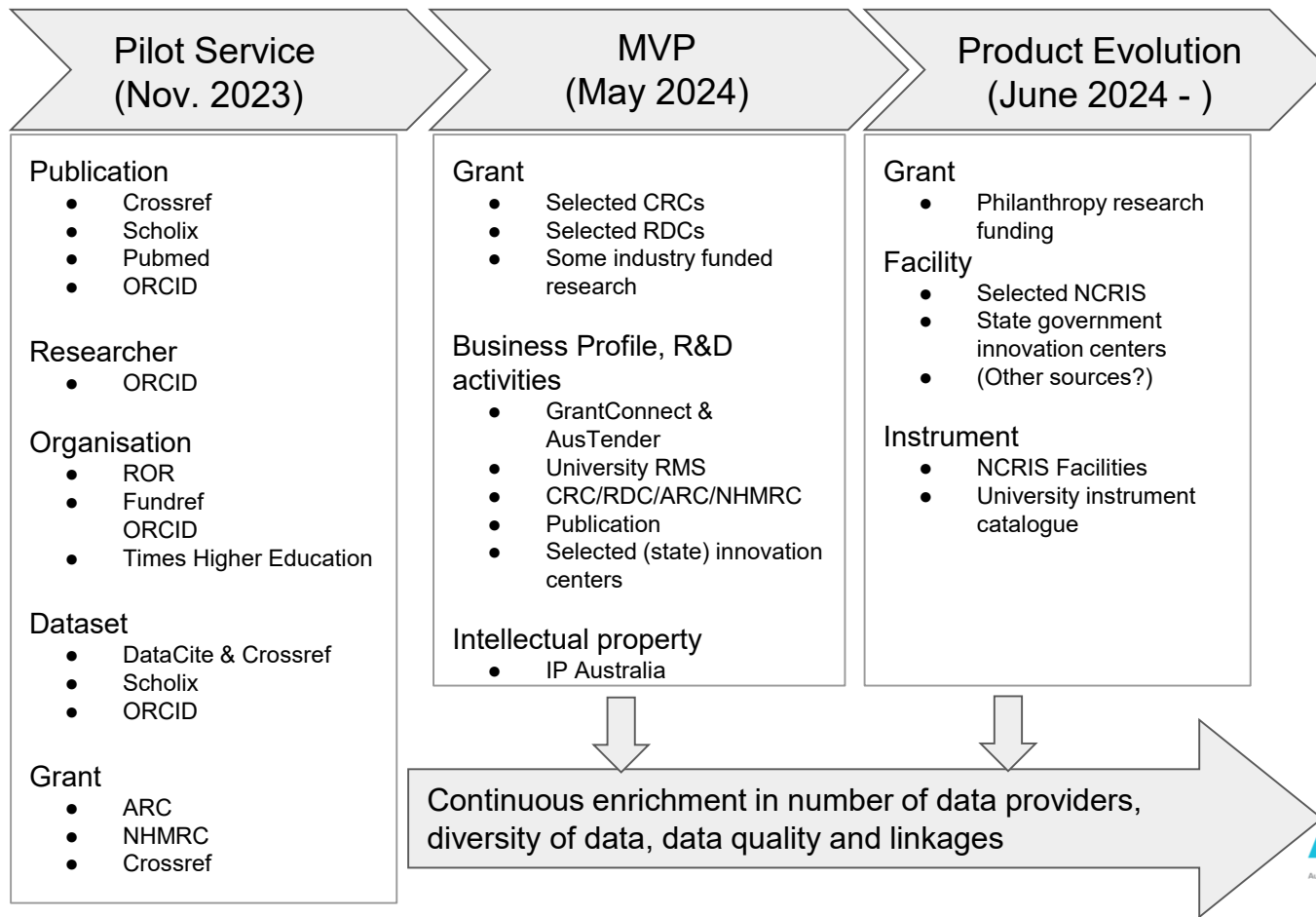
Proof of concept architecture



- The Connected Graph layer is responsible for reading, harmonising, and linking various types of information, including publications, grants, datasets, patents, organisations, awarded partnership projects, research facilities, non-university funding, and facilitators' information.
- The Discovery Layer provides human users and machine-actionable interfaces with the capability to search and discover potential partners, experienced industry collaborators, and technical experts.
- The Synthesis Layer offers insights on research capabilities and existing successful collaborative projects at different granular levels, for example, it could report on a university's research capability or a national research capability of a or all research areas.

Developed by Research Graph Foundation Ltd.
July 2023

Content roadmap



ARDC Services

← → ↻ ardc.edu.au/services/



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Research Data Australia

Find, access, reuse and attribute data from Australian research organisations.

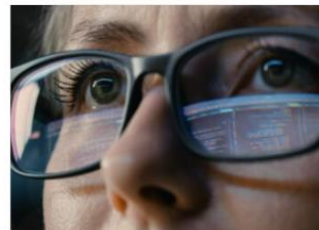
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Your national research cloud – start your 6-month trial today.

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Advisory Services

Supporting your data and digital research challenges.

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Communities and Groups

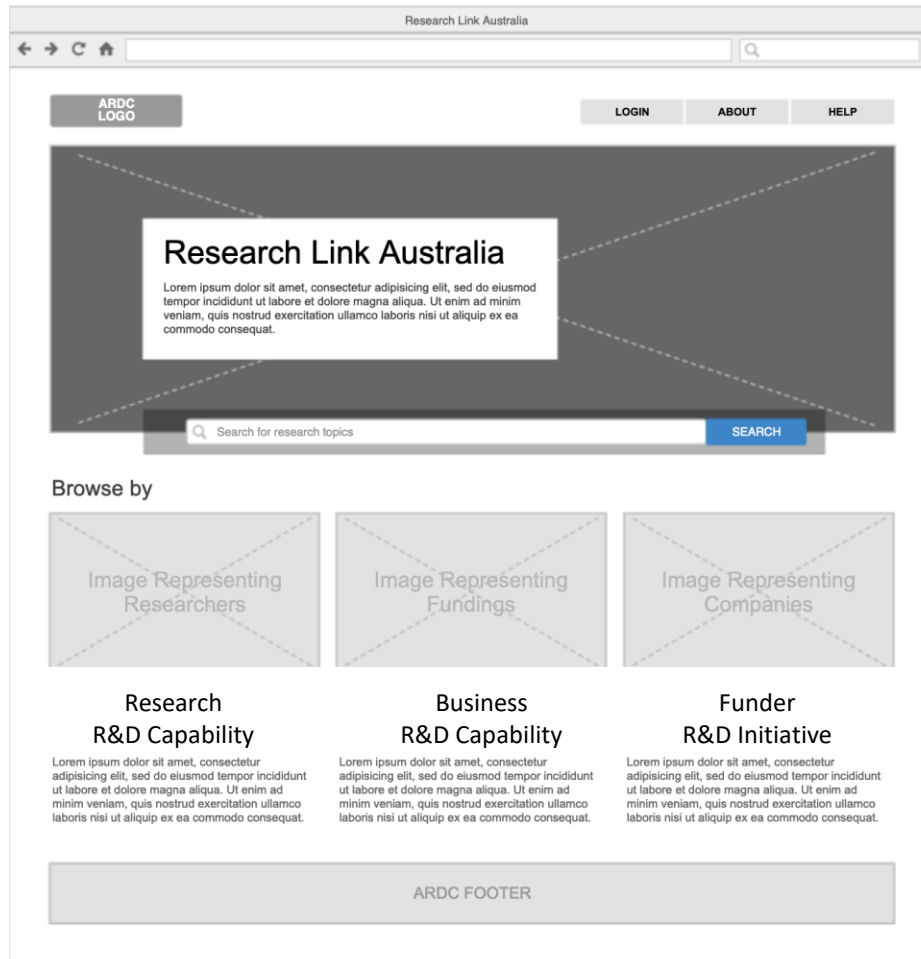
Explore and join the many digital research and data communities and groups we facilitate for...

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A new service:
Research Link
Australia



Discovery Layer



What are next?

- **Engagement activities:**
 - Industry engagement - planned but also co-design stressed as being crucial
 - Data communities - explore opportunities for targeted collabs between stakeholders to generate domain-specific insights and context-driven data on research and industry capabilities (“Data CoPs”)
 - Linking services discovery - opportunities to promote and boost multiple platforms and services by working with partners in the research-innovation linking “ecosystem”
- **Platform development:**
 - Prioritised information sources and features
 - Data insights portals - to enable the above engagement activities, allow domain experts to leverage data
 - Trusted secure platform - take into account responsible access, support integration of private data
- **Follow our progress or participate**
 - Register your interest via the RLA project webpage (link & QR) for further updates
<https://ardc.edu.au/project/research-link-australia/>



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