

# **Transforming Health Research Collaboration to Actionable Insights**

A/Prof. Amir Aryani

<https://orcid.org/0000-0002-4259-9774>

# Research Link Australia

*Bridging the information gap between research, industry, business and government for impactful innovation*

RLA is a pivotal initiative aimed at enhancing connectivity and knowledge exchange among universities, research organisations, businesses, industry players, and government bodies.



# Research Link Australia: Address information gap



- 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.



- As an application developer of an agri-business/facilitator, 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 me to optimise our network to monitor soil, water, crops, pastures and animals, etc; so that we can make better decision in improving farm productivity.



- 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.



- 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)?

## Research Link Australia

**Discover** and share information about research collaboration and research capabilities to enhance connections between academic research, industry applications, and funding initiatives.

What would you like to discover?

[Researcher](#)
[Funded Activity](#)
[Organisation](#)

Search

[Need help searching? View our Search Guide.](#)
Advanced Search

**Find Researchers**

Search for researchers and discover experts in a specific research area.

**Find Funded Activities**

Search for grants, funded projects and funding initiatives.

**Find Organisations**

Search for organisations and connect with research communities.

### INTERACTIVE DASHBOARDS

Interactive Dashboards present and visualise data in an engaging and intuitive manner, allowing for the analysis and understanding of the dynamics of research industry collaborations. These dashboards enable the identification of trends and patterns in the data, facilitating informed decision making and strategic planning.

[Explore dashboards >](#)

805,500+

RESEARCHERS  
(ORCID)

1,800,000+

LINKED PUBLICATIONS  
(CROSSREF, PUBMED, ORCID)

88,000+

FUNDED ACTIVITIES  
(ARC, NH&MRC, ORCID)

310,000+

ORGANISATIONS  
(CROSSREF, ROR, ABN)

**What is Research Link Australia and who is it for?**

Research Link Australia (RLA) helps researchers and publicly funded research organisations to find industry partners for translating their research discovery into the development of real-world products, or vice versa, to help industry to find research collaborators to enhance their R&D capabilities.

**Where is the data from?**

The information presented in this platform is gathered from a variety of open sources and may not have comprehensive coverage. Major data sources are listed on the left. We are continually working with information providers to improve coverage and quality.

About RLA

# Research Capability Discovery Portal

- Search research topics to find research and collaboration capabilities.
- Gain insights from interactive dashboards into collaboration in specific research application.

# RLA Partner Projects



## RLA Data Community of Practice Health and Wellbeing

A data-driven approach to enhancing understanding of research-industry collaborations in wellbeing, as part of the...

[Explore >](#)



## Sailing the Marine Knowledge Landscape with RLA

To make fishing and aquaculture research and development project details more discoverable, accessible and usable,...

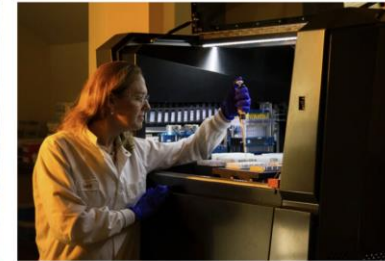
[Explore >](#)



## The Lens Global Patent Information for RLA

Connecting patents to researchers and research organisations to drive collaboration and innovation from research to...

[Explore >](#)



## RLA: National Aggregator of University Research Capability Data

Streamlining the collection and sharing of research expertise and capability data from Australian universities, as...

[Explore >](#)

# RLA Data Community of Practice Health and Wellbeing

- A/Prof Amir Aryani, Research Graph Foundation, Swinburne University
- A/Prof Suzie Lavoie, Orygen
- Prof Luis Salvador Carulla, Health Research Institute, University of Canberra
- Prof Sotiris Vardoulakis, HEAL Network
- Alessandro Luongo, Digital Health CRC
- Dr Tom Verhelst, Relational Insights Data Lab, Griffith University
- Dr Kristen Moeller-Saxone, Infoxchange



"Transforming Health  
Research Collaboration to  
Actionable Insights."



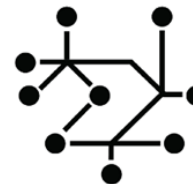
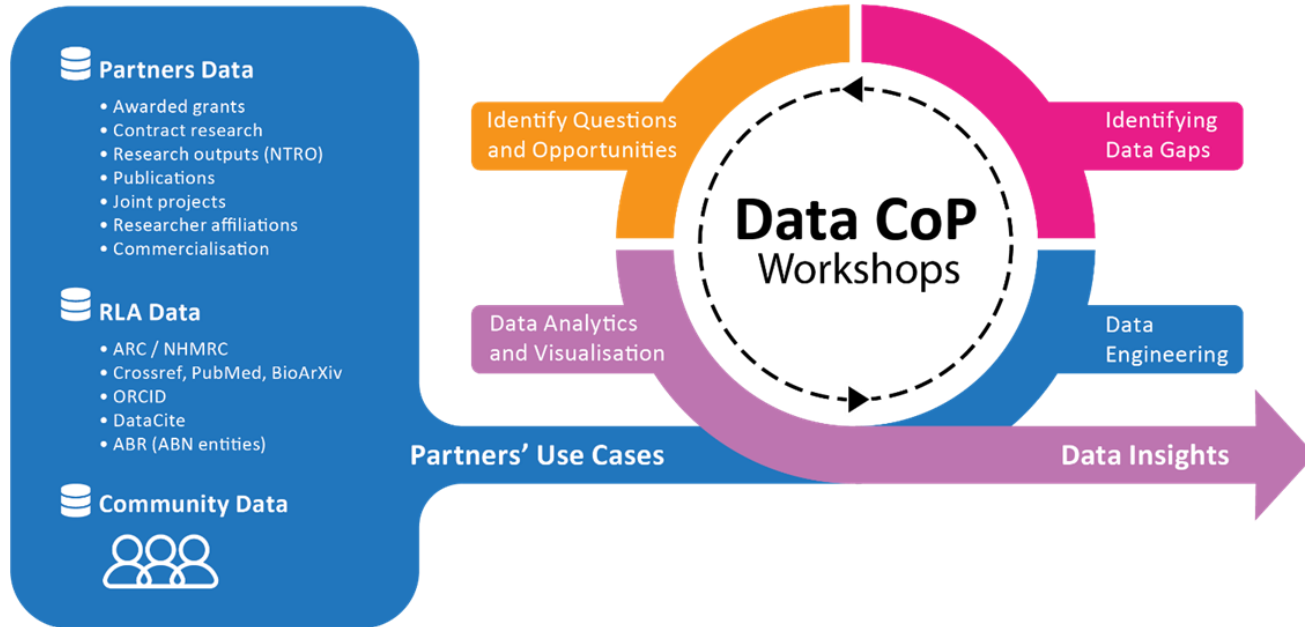
# Open Questions

How to identify\*

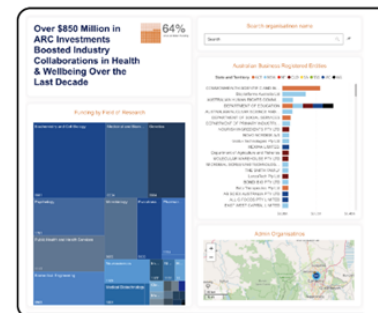
- Research Capabilities (in house)?
- Research Capacities (in the collaboration network)?
- Potential research-industry partnerships?
- Potential new partnerships?
- Impact of collaboration?

\*(in health and wellbeing)





**Open Graph Supporting Data Insights**



**Interactive Dashboards**

# Health and Wellbeing Data CoP

## Linked Research Objects



**22,900**  
Researchers



**2,912**  
Grants and Projects



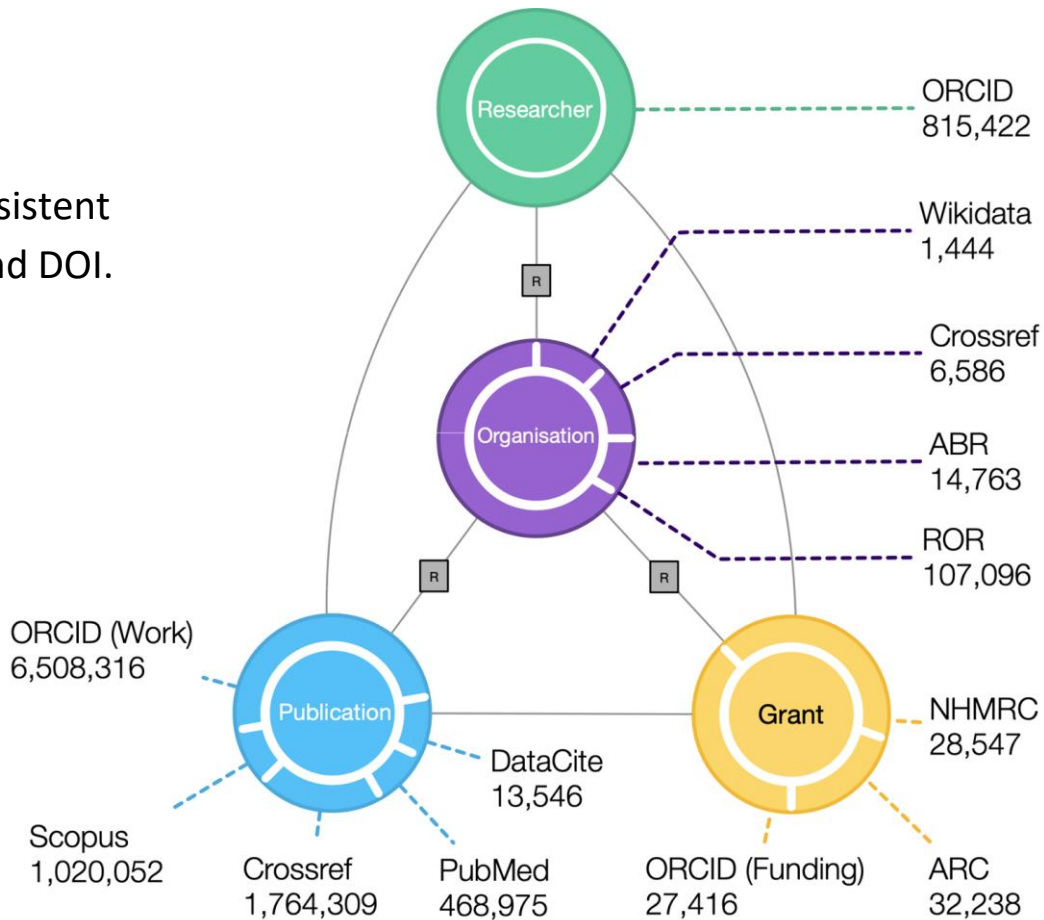
**8,506**  
Research Outputs  
& Publications



**5,803**  
Organisations &  
Institutions

# RLA Data

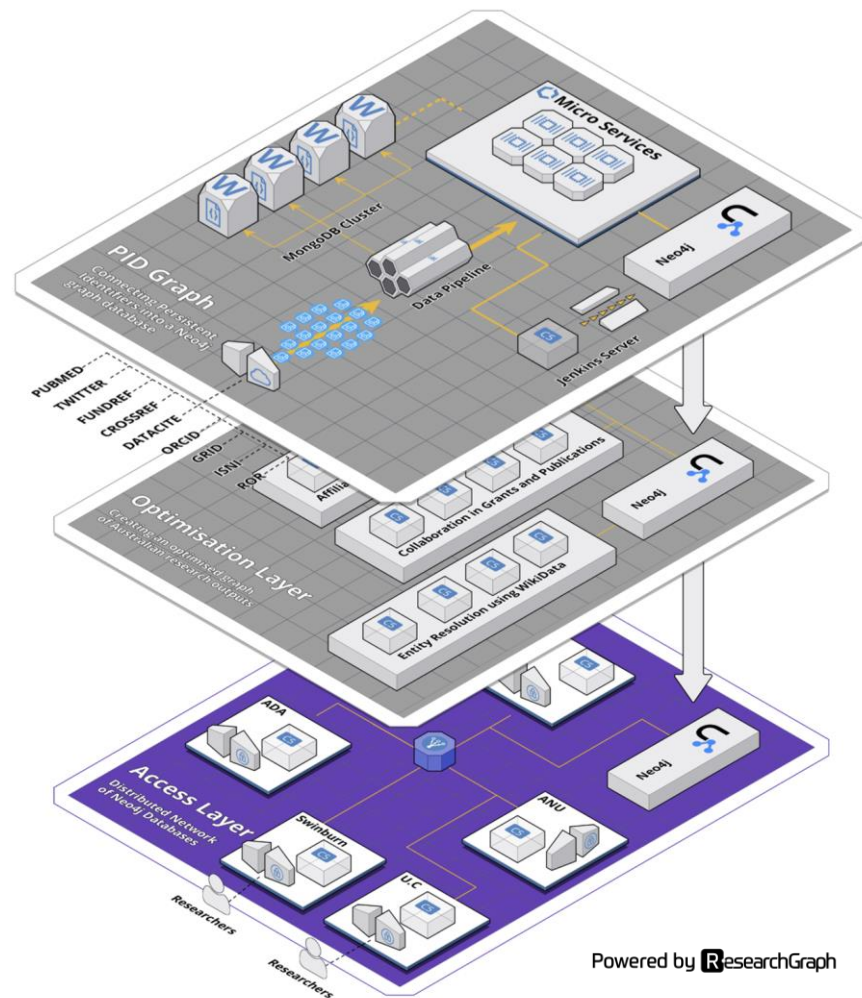
Key component of RLA data is persistent identifiers (PIDs) such as ORCID and DOI.



# National PID Graph

We have initiated the RLA by utilising the National PID Graph, which connects open scholarly networks.

These networks are built on persistent identifiers like ORCID, DOI, and ROR.

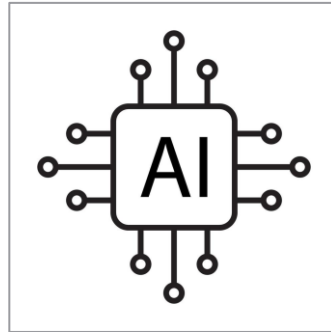
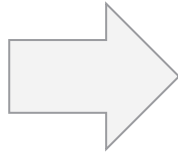


# Research Capabilities

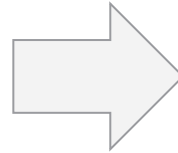




**2,912**  
Grants and Projects



Mixtral 8x22B

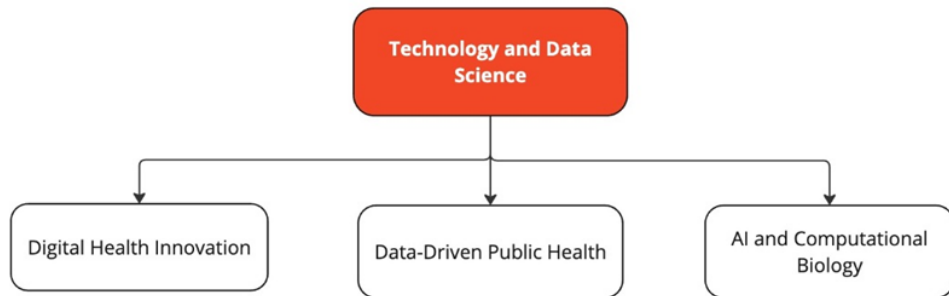
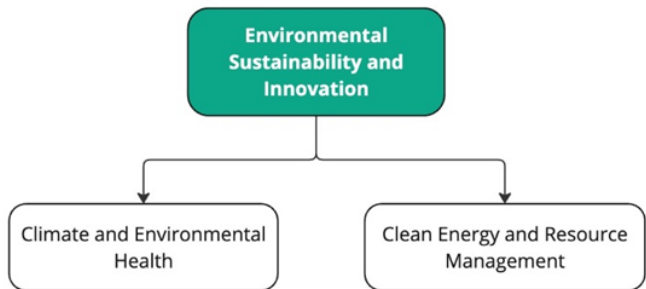
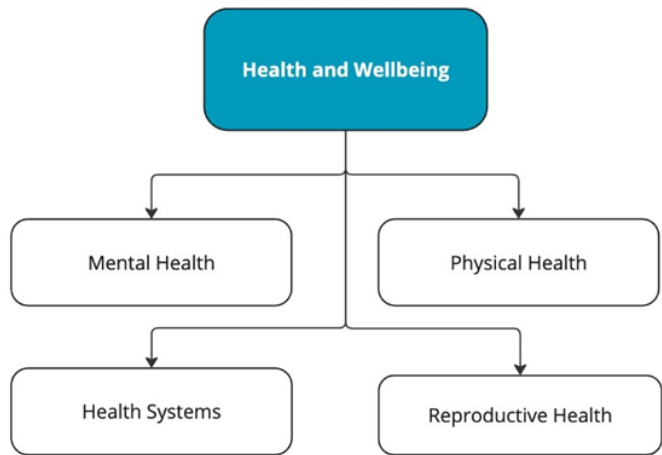


**Health and Wellbeing**

**Social Services and Community Support**

**Environmental Sustainability and Innovation**

**Technology and Data Science**





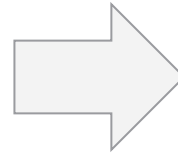
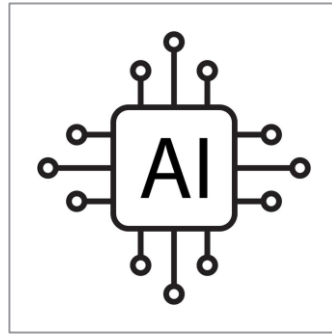
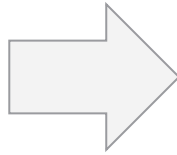


# Individual CoP Partners



196

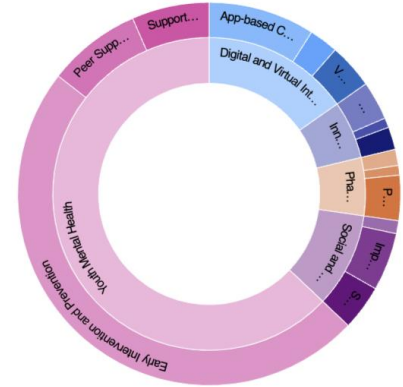
Orygen Grants



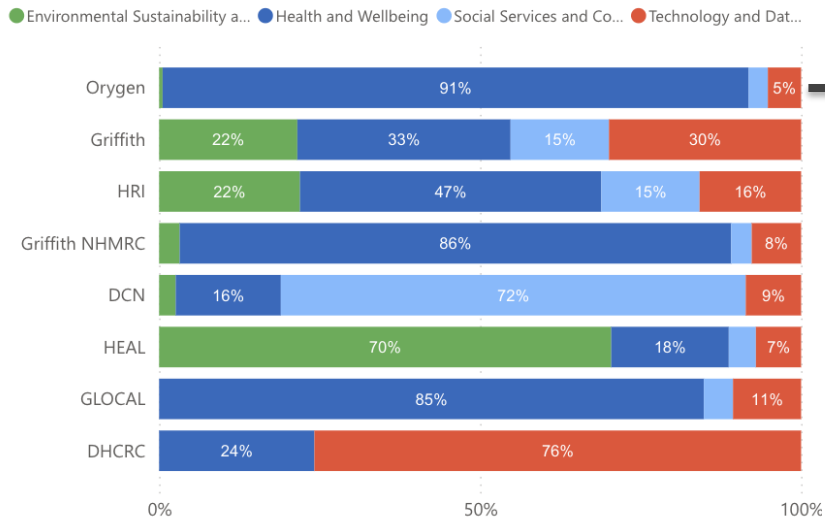
App-based Cognitive and Behavioral Therapies  
Cannabidiol for Anxiety and Psychosis  
Digital Platforms for Suicide Prevention  
Early Intervention and Prevention  
Effects of Climate Change on Mental Health  
Impact of Social Media on Mental Health  
Ketamine for Depression and Methamphetamine Use  
Neurofeedback and Cognitive Behavioral Therapy  
Peer Support and Family Involvement  
Psilocybin and MDMA for Psychiatric Disorders  
Psilocybin-assisted Psychotherapy  
Social Inclusion and Mental Health  
Support for Young People with Eating Disorders  
Transcranial Magnetic Stimulation  
Virtual Reality for Mental Health

## Top 5 focus areas for Orygen projects:

- Digital and Virtual Interventions
- Innovative Therapies
- Pharmacological Interventions
- Social and Environmental Factors
- Youth Mental Health



### Focus areas by partner

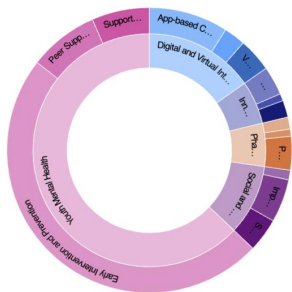


Digital and Virtual Interventions	App-based Cognitive and Behavioral Therapies
	Digital Platforms for Suicide Prevention
	Virtual Reality for Mental Health
Innovative Therapies	Neurofeedback and Cognitive Behavioral Therapy
	Psilocybin-assisted Psychotherapy
	Transcranial Magnetic Stimulation
Pharmacological Interventions	Cannabidiol for Anxiety and Psychosis
	Ketamine for Depression and Methamphetamine Use
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Social and Environmental Factors	Effects of Climate Change on Mental Health
	Impact of Social Media on Mental Health
	Social Inclusion and Mental Health
Youth Mental Health	Early Intervention and Prevention
	Peer Support and Family Involvement
	Support for Young People with Eating Disorders

## Top 5 focus areas for Orygen projects:



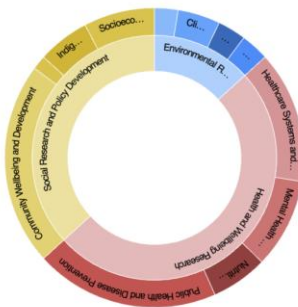
- Digital and Virtual Interventions
- Innovative Therapies
- Pharmacological Interventions
- Social and Environmental Factors
- Youth Mental Health



## Top 3 focus areas for HRI projects



- Health and Wellbeing Research
- Environmental Research and Sustainability
- Social Research and Policy Development



## Top 3 focus areas for HEAL projects:



- Air Quality and Pollution Control
- Clean Energy and Sustainability
- Climate Change and Health Resilience



# Orygen: Collaboration Network



174 Organisations across twenty-seven countries are in the Orygen collaboration network



141 Organisations

231 Grants

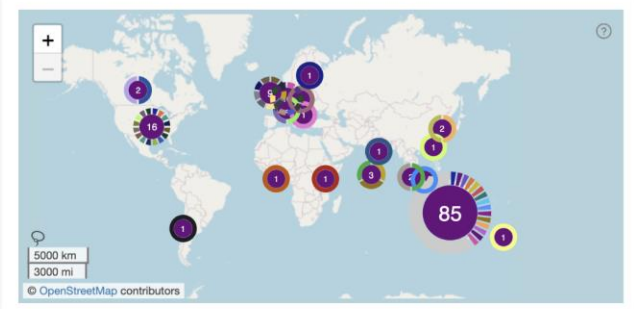
## Organisations by grants



## Researchers

Researchers	Grants	Publications
Michael Berk	1	911
Patrick D. McGorry	2	781
Alison Yung	2	302
Susan M. Cotton	7	285
Christos Pantelis	2	284
Simon Rice	2	283
Stephen J. Wood	1	258
Eoin Killackey	2	188
Andrew Chanen	1	168
Sarah Hetrick	2	161
Jo Robinson	2	151
Nicholas B. Allen	1	150
Kelly Allott	1	148
Helen Herrman	2	141
Andrew Thompson	2	137
Dan I. Lubman	1	126
Ian Hickie	2	123
John Gleeson	3	121
Sarah Bendall	1	112
Alexandra G. Parker	3	97
Lisa Phillips	1	89
Henry J. Jackson	3	85
John Oliffe	2	84
Magenta Simmons	1	78
Philippe Conus	1	76
Julian G. Simmons	2	72
Zac Seidler	1	70
Ashleigh Lin	1	69
Nicola Reavley	1	61
David Castle	4	60
Shona Francey	2	59
Ellie Brown	1	50
Orli S. Schwartz	2	45
Rachel Upthegrove	1	44

## Focus areas



# Research Collaboration Network

# Industry/Government Partners



823

Source

All

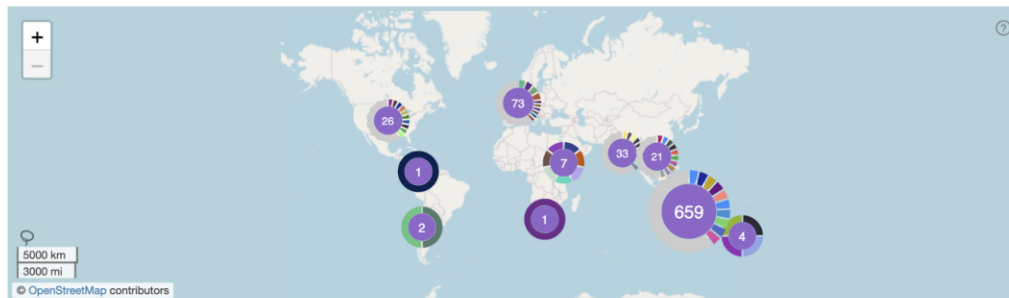
Number of industry partners (government or companies) in this network

Health and Wellbeing

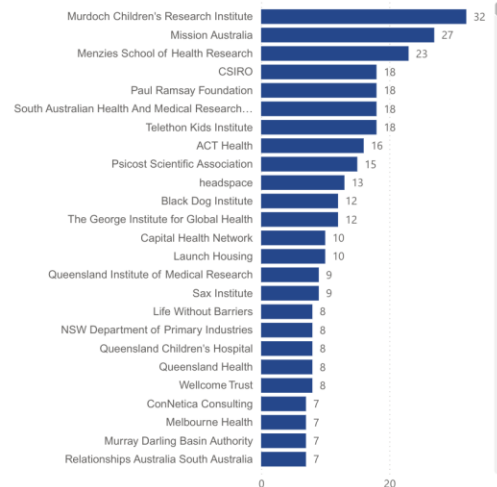
Technology and Data Science

Social Services and Community Support

Environmental Sustainability and Innovation



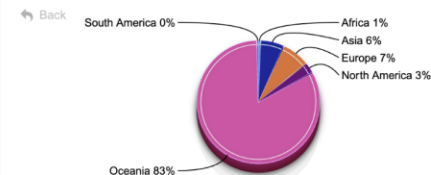
Number of projects by Industry partners



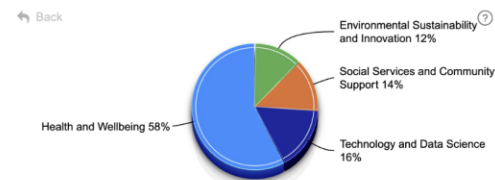
Search project or funder

Sources	Publication year	Project and funder
GLOCAL		REFINEMENT (Financing systems' effects on the Qual of Mental health care in Europe) European Commissio 7th Framework Programme.
HRI	2021	RFT - EVALUATION OF THE VETERANS AND FIRST RESPONDERS MENTAL HEALTH GRANT PROGRAM November Foundation
Orygen		TGA data analysis.
Orygen	2023	Virtual-Reality EXercise (V-REX): Novel and Alternative Exercise Modalities as a Means for Obtaining Inflammatory Biomarker Alterations and Meeting Suffic Physical Activity Levels, A Feasibility Study., Priestly Ph Scholarship
HEAL	2023	Let's talk about smoke: co-designing effective behavior change solutions to the winter wood smoke challenge., HEAL Innovation Fund 2023
GLOCAL		The Case Management Taxonomy (CMTaxonomy) , the Lifetime care and support authority of new south wales (icare NSW)
HRI	2024	"10 Things we can do" - developing air pollution expor reduction and lung health advice for people with asthma Asthma Australia
Orygen	2021	%23chatsafe: Helping high school students communicate safely online about suicide, Suicide Prevention Australi
HEAL	2021	"10 things we can do" - developing air pollution exposu reduction and lung health advice for people with asthma

Number of industry partners by continents / countries



Number of projects by focus areas



# Industry/Government Partners



823

Source

All

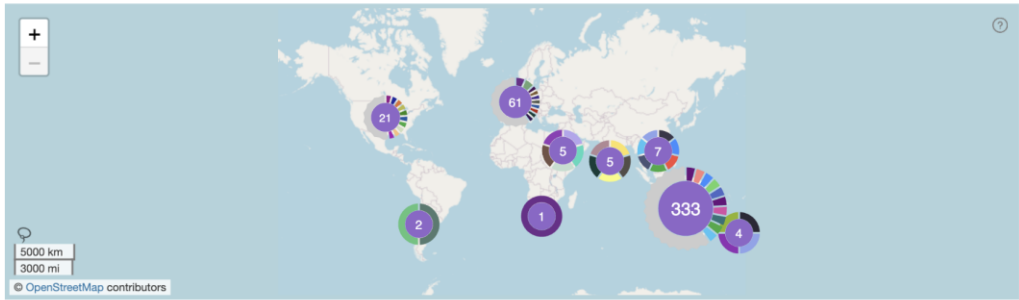
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Health and Wellbeing

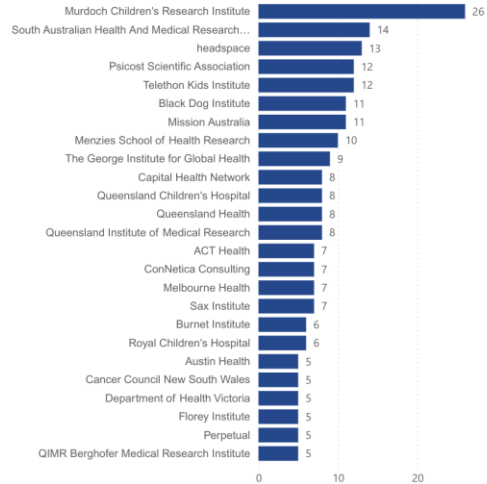
Technology and Data Science

Social Services and Community Support

Environmental Sustainability and Innovation



Number of projects by Industry partners

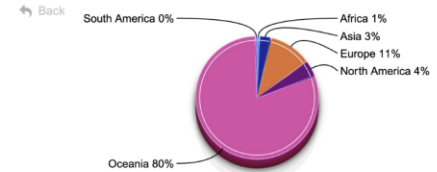


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Search

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Orygen	2021	%23chatsafe: Helping high school students communicate safely online about suicide, Suicide Prevention Australia
HRI	2018	2017 Regional Wellbeing Survey - DEDJTR sample, Victorian Department of Economic Development, Jobs, Training and Resources
Orygen	2020	5W-PL: data linkage Victorian population data, NHMRC headspace National
Griffith		A biological nerve bridge device for repairing spinal cord injury in humans, Australian Government Medical Research Future Fund (MRFF)

Number of industry partners by continents / countries



Number of projects by focus areas





## Insights from the Data CoP

1. Four major research focus area: : (1) Environmental Sustainability and Innovation, (2) Health and Wellbeing, (3) Social Services and Community Support, and (4) Technology and Data Science.
2. This group has more than 800 industry partner in Australia and internationally.
3. 2000+ grants from international funders are connected to the researchers in the Data CoP partnership, this includes funding from the Canadian Institutes of Health Research, the Medical Research Council in the UK, and the National Institute of Mental Health in the United States.

“The RLA project has highlighted the crucial role research networks play in understanding both the capabilities and the long-term performance of individual researchers as well as research teams or units.”

*Prof Luis Salvador Carulla, Health Research Institute, University of Canberra*



Data CoP Workshop  
Melbourne, Oct 2024