



Australia's National Science Agency

Industry PhD (iPhD) Program

Program information session

7 February 2024



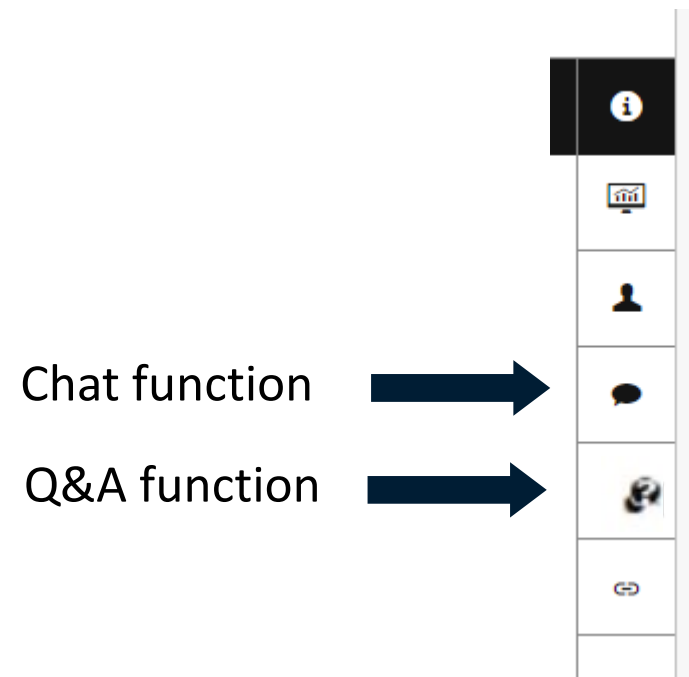
I would like to begin by acknowledging the Traditional Owners of the lands that we're meeting on today.

I pay my respect to their Elders past and present and I recognise their continuing connection and custodianship of the lands, seas, and waters throughout Australia.

I would like to extend this acknowledgement to all Traditional Owners of the various lands on which each of you live and work.



How to use chat and ask a question



PLEASE NOTE: THIS SESSION IS BEING RECORDED AND WILL BE MADE PUBLICLY AVAILABLE



Government funding

University Research Commercialisation Action Plan provides \$2.2b over 11 years across 3 programs

Australia's Economic Accelerator

\$1.6 billion over 11 years and \$150 million equity injection to CSIRO's Innovation Fund, Main Sequence Ventures

Two-stage grants for universities to fund translation of research

Trailblazer Universities Program

\$307.3 million over four years

Funding to establish research commercialisation universities

Building an Applied Research Workforce

\$296 million over four years

Funding for PhDs and Fellowships that engage with industry



Building an applied research workforce



Industry PhDs

CSIRO Industry PhD

Delivered by CSIRO
450 places; 4 year duration

National Industry
Linked PhDs

Delivered by DoE
675 places; up to 4 years duration

National Industry
Researcher PhDs

Delivered by DoE
680 places; up to 4 years duration



Industry Fellowships

Early Career Industry
Fellowship

Delivered by ARC
500 places; 3 year duration

Mid-career Industry
Fellowship

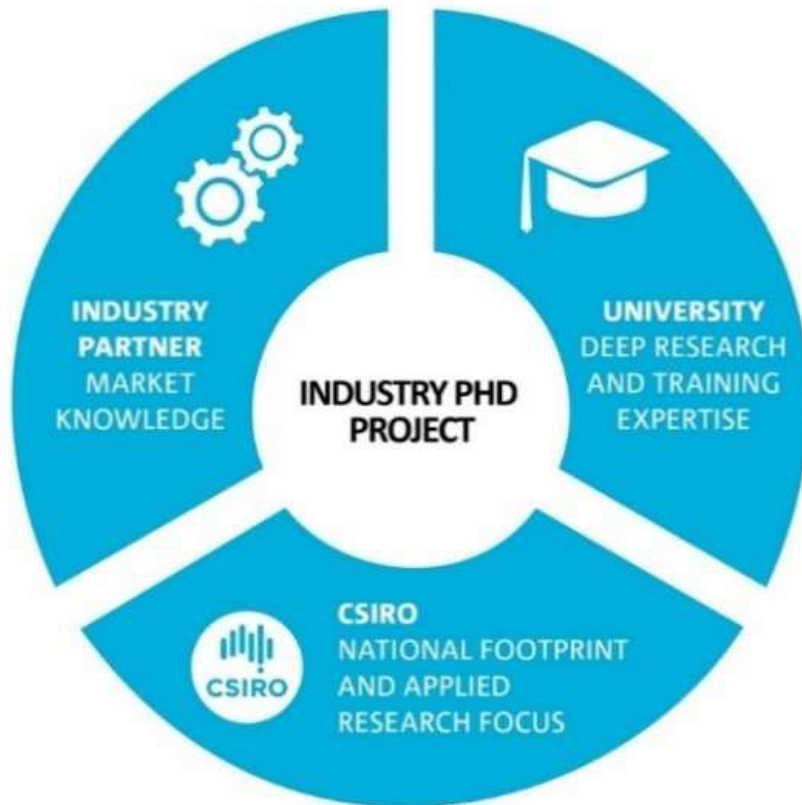
Delivered by ARC
250 places; 4 year duration

Industry Laureate
Fellowship

Delivered by ARC
80 places; 5 year duration

Approximately 1,800 Industry PhD and 800 Fellowship places over 10 years

iPhD Program overview



Bringing together an **industry partner**, a **university** and **CSIRO** to co-develop a four-year PhD project.

Supporting a **three-way partnership** aiming to **train new researchers** in critical areas, and develop new or strengthen relationships between research organisations and industry.

iPhD project example



Development of an evaluation tool for green hydrogen production

- **University:** RMIT
- **Industry partner:** Ozee Energy
- **CSIRO:** Energy

Project overview: The PhD student is exploring options to optimize the cost of green hydrogen and ammonia production using renewable technologies.



Current iPhD scholarships available

WA

Edith Cowan University - Woodside Energy
Murdoch University - Tronox Mining Australia
Curtin University - Alcoa of Australia

SA

University of Adelaide - Rembind
University of Adelaide - Vilenna Investments (Space Down Under)

VIC

La Trobe University - Ezy Chef Technologies
Federation University
- Techplus Control System
- Foton Mobility Distribution
Swinburne University of Technology
- Cassinia Environmental
- Infrabuild Wire
- Fourier Space
The University of Melbourne
- mDetect
Monash University
- Dassault Systemes Au
- Advanced Fuel Innovation



QLD

University of Southern Queensland - Tunstall Australasia

NSW

Macquarie University
- Evergreen Fund Managers
- Pells Sullivan Meynink
- MMG Dugald River
University of Sydney - GrapheneX
Western Sydney University - EM BE CE
The University of Newcastle - EarthSure

ACT

Australian National University - Buru Energy
Australian National University - Australian Grain Technologies

Timeline



iPhD project development

Primary EOI round: 1 Feb - 19 Apr
(approx. 35 projects)

Secondary EOI round: 20 Apr - 23 Aug
(approx. 15 projects)



Collaboration agreement

A contract is executed three months
after application approval



Student recruitment

The project is advertised, and a
student is selected, enrolled and
onboarded



iPhD commencement

Student supervision is shared between
university, industry and CSIRO partners



February 2024

February 2025

iPhD Program key features



PhD projects are co-developed and co-supervised by university, CSIRO and industry partners



A three-month industry engagement component is embedded within the PhD



Students receive a funded government scholarship, an industry top-up and funds for project operating expenses

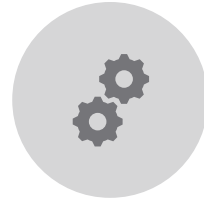


Student career and professional development training is delivered alongside the PhD

iPhD Program benefits



Supports strategic partnerships with industry and CSIRO partners



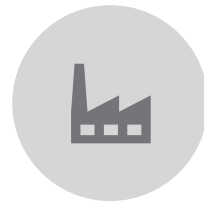
Funded by Government, not from university



Provides PhD students with industry focused training



Enhances innovation and potential to commercialise research



Intends to meet Government requirements of an eligible industry internship



Assists PhD students to develop industry-focused and professional skills



iPhD Program funding and support

The CSIRO iPhD Program is funded by the Australian Government and the industry partner for up to four years. **No cash commitment is required from the university.**

Student scholarship	\$47,020 per annum comprising of \$35,020 provided by Government and \$12,000 provided by industry partner
Project expense and development package	\$13,000 per annum provided by Government
Student career and professional development training	Funded by Government



iPhD Program specifics

Project eligibility

- Align with CSIRO & Government priorities
- Address an industry problem
- Comply with the university's rules for a PhD

Student eligibility

- Australian or New Zealand citizen or Australian Permanent Residents only
- Meet university PhD admission requirements

Industry eligibility

- Australian company or have a significant Australian presence
- ***Government and not-for-profit entities are now eligible***

iPhD Program specifics

University provisions

- A primary supervisor to assess the student in line with HDR policies
- Lead student advertising, recruitment and enrolment
- A fee off-set to the student
- Access to facilities and infrastructure if required.

Industry provisions

- A co-supervisor to support the student
- \$12,000 per annum for up to four years
- A 60-day Industry Engagement component
- Access to facilities and infrastructure if required.

CSIRO provisions

- A co-supervisor to support the student
- Access to facilities and infrastructure if required.



Project assessment criterion



Industry experience provided to the student



Project impact



Project feasibility and resources



Research industry collaboration



Alignment to Government and CSIRO priorities

Alignment to Government priorities



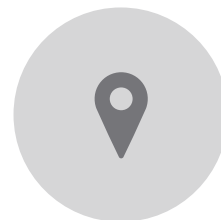
NATIONAL
RECONSTRUCTION
FUND



TRAILBLAZER
UNIVERSITIES
PROGRAM



SME & PRIVATE
INDUSTRY SUPPORT



REGIONAL
DEVELOPMENT

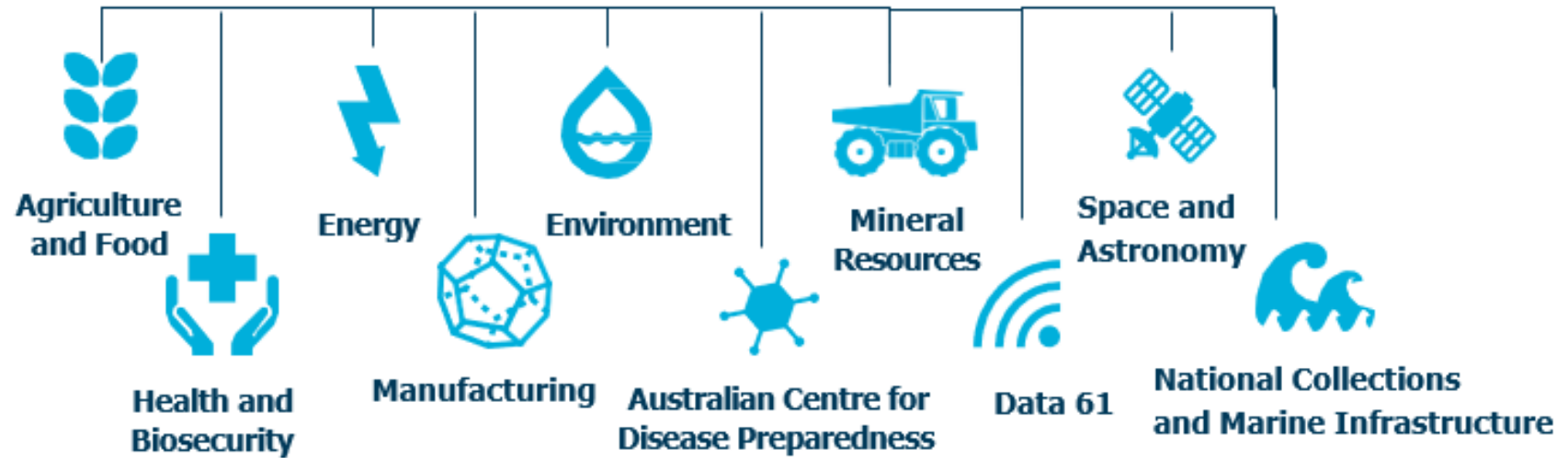


FIRST NATIONS
AUSTRALIANS



CRITICAL
TECHNOLOGIES

CSIRO Business Units





CSIRO Challenges and Missions

Health and wellbeing	Food security and quality	Secure Australia and region	Resilient and valuable environments	Sustainable energy and resources	Future industries
<p>Infectious Disease Resilience - Stopping the next pandemic by building resilience to zoonotic infectious disease</p>	<p>Trusted Agrifood Exports - Growing export premiums of Australian grown food</p>	<p>Catalysing Australia's Biosecurity - Future proofing Australia's biosecurity threats of pests, weeds & diseases</p>	<p>Drought Resilience - Reducing the impact of drought on farms and communities</p>	<p>Hydrogen Industry - Building Australia's clean hydrogen industry</p>	<p>Ending Plastics Waste - Changing the way we make, use, recycle and dispose of plastics</p>
<p>Minimising Antimicrobial Resistance - Securing a future where antimicrobials still save lives</p>	<p>Future Protein - Helping capture high-growth global protein markets</p>	<p>Critical Infrastructure Protection and Resilience - Growing the resilience of our critical infrastructure systems</p>	<p>AquaWatch Australia - Safeguarding our water resources from space</p>	<p>Towards Net Zero - Partnering with regions and industries for a low emissions future</p>	
				<p>Renewable Energy - Powerhouse - Delivering renewable energy solutions from our critical minerals</p>	
				<p>Smart Energy - Building Australia's next generation integrated and equitable energy systems</p>	



Next Steps

- Identify a potential project and partners
- Discuss with your CSIRO connection to obtain CSIRO support
- Email iPhD@csiro.au to access EOI form
- Engage partners to complete EOI form and attach email of support from your university
- Submit EOI form



Expression of Interest Industry PhD Program

The purpose of this Expression of Interest (EOI) form is to collect the information required to assess a project for inclusion in the [CSIRO Industry PhD Program](#), and if successful, to draft a Collaboration Agreement to allow the project to be undertaken. It does not commit any of the signatories or their organisation to progress with the project as this will be done through the Collaboration Agreement.

This form must be submitted by the primary contact on behalf of all involved parties to iphd@csiro.au. It is important that all parties agree on every section of the form and have provided their consent for EOI submission. We recommend completing this form collaboratively.

The CSIRO supervisor must seek support from their Research Program Director, the university supervisor must seek support from their Graduate Research School (or equivalent), and the industry partner must seek support of their approved delegate. Email evidence of support from each partner must be attached to the completed EOI form and sent to iphd@csiro.au by the primary contact.

All parties should review the program rules provided before completing this form. For further assistance, contact the [iPhD Program Office](#).

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Thank you

CSIRO Industry PhD Program

iphd@csiro.au

csiro.au/iphd



Sign up to our student webinar
19 Feb 2024



Visit our website