

Research Roadmap

2023-2032



CREATE CHANGE



Opening Statement

The University of Queensland is a globally connected research-intensive university, with the purpose of advancing knowledge and generating innovative solutions to the complex challenges of contemporary society. As a public institution of the State of Queensland, we seek to conduct research for the public good with the highest levels of integrity. While the research challenges we address are often of global significance, we have a dedicated focus on our local environment through our Queensland Commitment.

Research represents a central theme of UQ's **Strategic Plan (2022-25)**. This Research Roadmap articulates the core research purpose of the University and aligns with the '**Toward 2032**' decadal strategy. The Roadmap seeks to identify areas for focus and investment, with the overall aim of enhancing UQ's research leadership and impact.

Progressing actions from the Roadmap will enable UQ to reach a future state that meets changing expectations in research through a commitment to a vibrant and supportive research culture, first-class infrastructure and other mechanisms to support our researchers. The Roadmap will help position UQ as a research institution with the highest ethical standards, that delivers advances in knowledge and impact for the community, industry, and government. We encourage researchers to engage with the Roadmap, and to support its aims as they progress their research endeavours, advancing toward the academic and societal impact to which they aspire.

Professor Mark Blows

Deputy Vice-Chancellor
(Research and Innovation)

Professor Deborah Terry AO

Vice-Chancellor and President

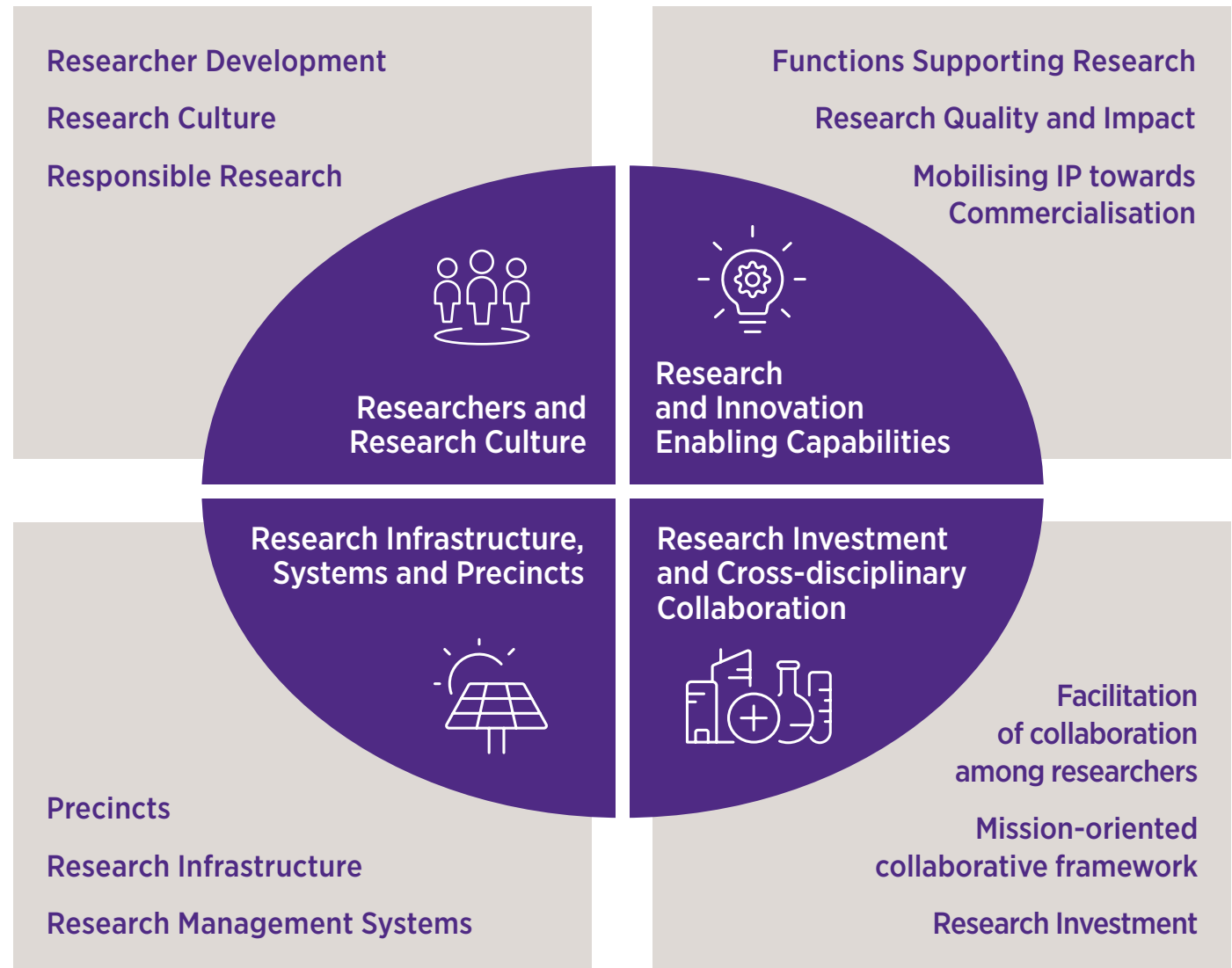


Professor Deborah Terry AO

Roadmap Framework

“Through our commitment to conducting brilliant discovery research and collaborating with our partners to translate our research discoveries, we seek to not only create new knowledge but share it in ways that enrich our communities, our economy and the environment.”

Toward 2032: UQ Strategic Plan 2022-2025





Researchers and Research Culture

UQ's success has been built on the talent of its staff and their creativity.

As expectations change, our development programs must support our academic researchers and research professionals to grow their capabilities, so they are equipped to exploit new opportunities.

We will foster a supportive research environment and culture that enhances UQ's commitment to diversity and inclusion and promotes behaviours that are consistent with UQ's values.

Truth and inclusivity are critical elements of UQ's values and we will build on UQ's commitment to research integrity and data management to develop our responsible research culture and commitment to open research.

Research experiences for our students helps build their capabilities and enhances their employability and the student experience.



Researcher Development

UQ aims to:

- build a dynamic workforce that can meet contemporary and future challenges in research and innovation, and establish an Indigenous research community that spans career levels
- foster creativity and innovation through supporting and developing staff and students
- have a comprehensive suite of professional development opportunities for higher degree by research students and early- to mid-career researchers
- give graduates a broader set of capabilities and experiences arising from interactions with external partners.

Research Culture

UQ will:

- continue to value diversity and inclusivity
- recognise that success in research and innovation can be achieved through varying pathways of discovery, engagement, translation, and commercialisation
- be renowned for Indigenous-led research and the development of Indigenous researchers and research leaders
- give its students the opportunities to engage with research and innovation, preparing them for their future.

Responsible Research

UQ aspires to:

- exemplify our values of Courage and Trust in response to challenges in research integrity
- conduct our research in a manner that is consistent with Australia's National Interest and the public good
- be seen as a trusted research partner for Indigenous communities and organisations through the alignment of its research with the AIATSIS Code
- consistently generate reproducible research outcomes
- apply open research principles and practices.



Research and Innovation Enabling Capabilities

UQ is recognised for the impact of its research and has had outstanding success in commercialisation.

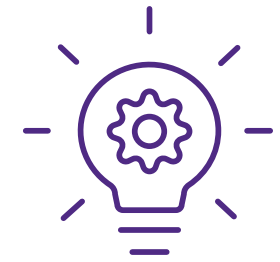
Our UQ Research Roadmap emphasises high quality research, knowledge exchange and end-user impact.

As a leading public research university, UQ has a major role to play in working collaboratively at the state and national level to address complex challenges facing Australia.

An impact focus enables researchers to engage productively with partners to develop research collaborations, co-create new knowledge and solutions, and translate ideas into products.

A focus on impact will make UQ a sought-after partner for investment that achieves outcomes for business and creates positive change for our communities and global society.

UQ Research supports Reconciliation and Australia's commitment to capacity building across the Indo-Pacific.



Functions Supporting Research

UQ will:

- support researchers in their engagement with external partners
- foster a strong collaborative approach between the Research and Innovation Portfolio and other UQ functions that support researchers to achieve success and scale
- emphasise its expertise and resources to drive innovation and guarantee that its industry, government, and philanthropic partners continually look to us for repeat business and engagement
- continue to build systems supporting research functions to promote the activities of researchers and the opportunities for collaboration among researchers.

Research Quality and Impact

UQ aims to:

- be recognised as a leader of global significance in research and innovation through fostering international collaborations
- build partnerships with industry that incorporate long-term research programs, HDR student supervision, staff exchange, and teaching programs
- grow its success in the competitive health and medical funding sphere, and more comprehensively link UQ researchers with Queensland's clinical workforce
- make major contributions, through Indigenous research and innovation, to Reconciliation and the appropriate recognition of the value of Indigenous Knowledge.

Mobilising IP towards Commercialisation

UQ aspires to:

- provide its researchers with a sophisticated understanding of how they can mobilise the IP they create, and to develop a vibrant and successful entrepreneurial ecosystem that allows the translation of research into ideas
- deliver benefits to Aboriginal and Torres Strait Islander peoples through agreed mobilisation of Traditional Knowledge into commercialisation and adoption pathways
- position UniQuest as a leading university commercialisation arm, both nationally and internationally, and continue the development and success of an Investment Fund that supports the commercialisation of UQ IP
- better recognise the entrepreneurial activities of higher degree by research students and early- to mid-career researchers



Research Infrastructure, Systems & Precincts

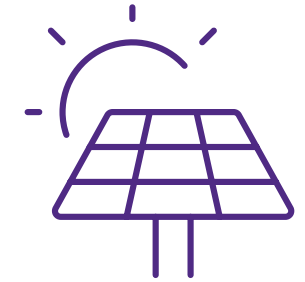
Ensuring that UQ researchers have the tools and support that they need to excel.

The University needs to invest in new equipment and capabilities that ensures that UQ stays at the leading edge in research. It is essential that this involves alliances with other universities and research providers at the state, national, and international level.

Underpinning research infrastructure is a workforce of skilled research specialists who need clear career pathways.

Contemporary research management is complex and requires digital solutions that enable efficient workflows to enable researchers to focus on their core purpose and to provide reporting and business intelligence capabilities.

Research is increasingly recognised as a key element in a more expansive innovation agenda linked to enhancing economic and societal benefits. This is often achieved through precincts that promote cross-sectoral collaboration between industry, government and universities.



Research Infrastructure

UQ aims to:

- facilitate researchers to access infrastructure at UQ, within Queensland, and across Australia
- promote the success of our Collaborative Research Platforms to industry and government
- implement clearly defined career pathways and development opportunities for research specialists
- invest in research infrastructure that supports our aspirations for Indigenous-led research
- house a significant number of national leading research infrastructure capabilities.

Research Management Systems

UQ will:

- provide our research community with access to sector-leading systems, resources, and tools
- have a suite of integrated, efficient research management systems for all stages of the research project lifecycle
- have a digital platform that provides candidature progression workflows and visibility to HDRs and their supervisors
- deliver an enhanced partner experience across industry and government.

Precincts

UQ aspires to:

- create and participate in vibrant research precincts that embed researchers in proximity with key external partners
- increase industry and government investment in its research through precincts
- ensure that our precincts exemplify our commitment to being the University for Queensland
- integrate precincts into the commercialisation of our IP, and the subsequent development of new industries for Queensland.



Research Investment and Cross-Disciplinary Collaboration

UQ has the most comprehensive discipline profile of any University within Australia.

This positions us extremely well to deliver cross-sectoral mission-driven research that is aligned with industry, government, and community priorities, and UN Sustainable Development Goals.

In order to synergise our cross-disciplinary capabilities we will develop leadership capability, reward collaboration across the university, and enable researchers to see new opportunities.

Our cross-disciplinary collaborative approach will also be a feature of how we present our capabilities to industry partners.

As competition for research talent increases, UQ will need to maintain its attractiveness as a place where researchers can excel via a number of different pathways.



Researcher Investment

UQ will:

- promote the greater engagement of research-focused staff with teaching, leading to expanded opportunities for all students
- ensure that strategic funding offers a significant return to the University through the attraction of long-term investments from external partners
- support Aboriginal and Torres Strait Islander research at a level that is consistent with its ambition and with our commitment to Reconciliation
- have competitive recruitment strategies for the attraction and retention of research talent.

Facilitation of collaboration among researchers

UQ aspires to:

- promote a culture of interdisciplinary collaboration that will allow our researchers to address complex problems and make innovative new discoveries
- continue to promote research activities that profile UQ's underlying strengths in key capabilities that may be dispersed across organisational units
- continually be able to assemble effective cross-disciplinary teams to compete for funding, or in response to the needs of external partners.

Mission-oriented collaborative framework

UQ aims to:

- have a significant impact on society by addressing pressing global challenges
- present a coordinated set of capabilities to key partners in government, industry, the not-for-profit sector, and Indigenous communities that will allow for co-designed mission-based research activities
- become a 'destination of choice' for increased government, philanthropic, and business investment, facilitated by the development of deep partnerships, and underpinned by a University-wide approach to accessing our capabilities.



CREATE CHANGE

Connect with us

We welcome enquiries from business, government and community, exploring the possibilities and benefits of formal UQ research collaboration.



Contact: UQ Research and Innovation

E: dvc.research@uq.edu.au

W: research.uq.edu.au