



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Appointment of Director, Centre for Natural Gas



CONTENTS

Faculty of Engineering, Architecture and Information Technology (EAIT)	01
Centre for Natural Gas (CNG)	02
Role of the Director, Centre for Natural Gas	03
About you	05
Conditions of employment	06
How to apply	06
The University of Queensland	07
Governance	08
Strategic direction	08
Strategic Plan 2022–2025	09
Leadership capability expectations	10
About Brisbane	11
Further information	12



Faculty of Engineering, Architecture and Information Technology

The Faculty of Engineering, Architecture and Information Technology (EAIT) comprises:

- School of Architecture
- School of Civil Engineering
- School of Chemical Engineering
- School of Information Technology and Electrical Engineering
- School of Mechanical and Mining Engineering
- Australian Centre for Water and Environmental Biotechnology
- Centre for Natural Gas.

These units are internationally recognised and their teaching and research successes create a stimulating environment within which the Faculty staff work.

The Faculty is managed by the Executive Dean, who has direct responsibility for the physical, financial and human resources, academic matters relating to programs and students, and a range of other areas such as the development of research, national and international marketing, and enhanced government, business and community links. The Faculty office is located at the [St Lucia campus](#).

The Faculty delivers course work programs in architecture, engineering, information technology to over 8,000 students. The Faculty is strongly committed to excellence in student education and the student experience. This is supported by scholarship in teaching and learning, evidence based innovation and development in curriculum design, assessment, digital learning, active learning, large group teaching, learning spaces, retention, employability, and staff development. More information can be found [here](#).



\$53M
Research income
in 2021



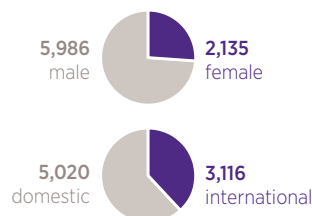
1,840
Publications
in 2021



672
Current EAIT staff
Fixed-term and continuing



8,134
EAIT students
5,901 equivalent
full-time student load



Centre for Natural Gas (CNG)

The Centre for Natural Gas is a centre of research excellence. For more than a decade, the Centre for Natural Gas has been recognised as a leading voice of independent scientific research into all aspects of Australia's onshore gas industry. It conducts real-world research focussed on optimising Australia's natural gas industry in terms of environmental performance, social performance, and optimisation of cost of operation and supply.

The Centre's capability across these areas is driven by *in-house expertise* as well as *research partners* from across The University of Queensland and other institutions. The research program is managed by three professorial research chairs across the Centre's research areas of Geoscience, Petroleum Engineering, Water, and Social Performance.



The Centre for Natural Gas was established in December 2011 by UQ in conjunction with major Queensland gas companies. Its aim is to create a broad centre of excellence for the onshore gas sector to positively contribute to key UN Sustainable Development Goals including, but not limited to, both Climate Action and Energy Access.

For more information about the Centre, please visit natural-gas.centre.uq.edu.au.

Research strategy

The Centre's current research strategy has three main overlapping themes:

1. **Decarbonisation:** at present this includes methane quantification and detection, nature-based carbon offsets and CCUS; as well as investigations into the role of gas in a transition electricity market. In future, it might also extend to hybrid renewable energy systems; or gas mixing (biomethane, hydrogen).
2. **Environmental, Social, Governance:** at present this includes socio-economic impact assessment, groundwater impacts, beneficial use of produced water (e.g. using algae), subsidence and ground motion. Centre researchers have also been engaged with the NT Government via the SREBA process and Advance Queensland seeking to apply lessons from the rapid deployment of CSG to new energy technologies.
3. **Enhancing Gas Supply:** at present this has a heavy focus on improved sub-surface modelling and includes maximizing recovery from existing/known assets, improved technology to ensure gas supply from 'challenging' resources e.g. Bowen Basin, improved predictive modelling.



Role of the Director, Centre for Natural Gas

About this opportunity

The Director, Centre for Natural Gas will lead the Centre in its core mission, which is to provide a recognised centre of excellence for research and policy advice for the Queensland and Australian gas sectors, and to help the University demonstrate a positive role across the Energy Transition during transformation to lower carbon energy futures.

The Director will be responsible for overall strategic leadership and research direction of the Centre, enhancing the profile of the Centre nationally and internationally through diverse external partnerships. They will lead the Centre in being a pioneer for science-led discussion with industry, governing bodies and other stakeholders in the sector and further its reputation as a respected source of independent and credible scientific information.

Duties

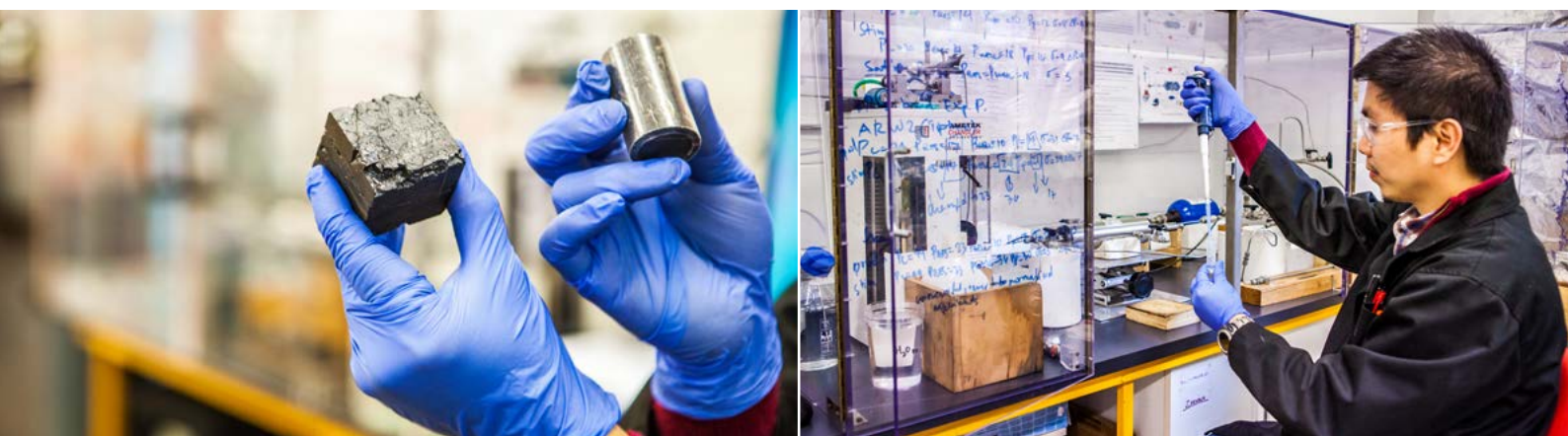
Key responsibilities include:

Leadership

- Provide overall strategic leadership of the Centre and ensure research direction is set through engagement with UQ, industry, community, and government.
- Lead the Centre so it is acknowledged as a focal point for science-led discussion with industry, governing bodies and other stakeholders in the sector, and seen as credible, independent and respected sources of scientific information.
- Enhance the profile of the Centre nationally and internationally, including developing and establishing domestic and international academic collaborations.
- Establish and build effective university-industry- government-community partnerships including expanding core industry membership in the Centre.
- Chair the Technical Advisory Group, which discusses progress and new research proposals and liaise with and seek endorsement from the Strategic Advisory Board on issues relating to the broader sector and the research agenda.

Research program strategy, development, delivery

- Establish and agree medium to long term research needs and challenges with industry, government and community stakeholders.
- Develop a multi-disciplinary research strategy to address these needs with Centre industry members and other key stakeholders.
- Engage across UQ to source and allocate research expertise to affect the strategy.
- Provide academic leadership (e.g. as CI) in at least one core element of the research agenda.
- Collaborate with CIs across UQ, and where necessary in other institutions, oversee the development of quality research project proposals for endorsement by the Strategic Advisory Board.
- Work with UQ legal and commercial advisors on suitable contract forms, IP protection and exploitation.
- Engage with partners, build opportunity, and establish support for Australian Research Council and State government competitive grant schemes.



- Enable and ensure the delivery of quality, actionable research reports to industry, academic publications in quality journals, and via industry conferences.
- Mentor staff and implement staff development guidelines that facilitate growth of the necessary skill levels to ensure ongoing delivery reputation is protected and research excellence fostered.
- Assist in the development of HDR students and early and mid-career researchers.
- Work with the Centre Operations Manager, to lead, develop and manage core Centre professional support services.

Policy engagement and advice

- Engage and consult with government and regulatory stakeholders to provide expert advice and strategy on policy issues and inquiry processes.

Growth and income attraction

- Liaising with UQ, government and industry stakeholders, define and grow Centre industry sourced revenue through key diversification strategies or schemes.
- Develop and attract contract research, collaboration and consultancy opportunities to build engagement, research expertise, capability and growth to the Centre.
- Liaise with key stakeholders to enhance the strategic profile of the Centre and work towards extending the Centre funding agreement beyond December 2026.

Safety

- Comply with Safe Operating Procedures, Risk Assessments and safety processes.
- Support a proactive safety culture and implement continuous improvement.

Other

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including but not exclusive to:

- The University's [Code of Conduct](#).
- Requirements of the Queensland occupational health and safety (OH&S) legislation and related [OH&S responsibilities and procedures](#) developed by the University, Faculty, Institute or School.
- The adoption of sustainable practices in all work activities, and compliance with associated legislation and related University [sustainability responsibilities and procedures](#).
- Requirements of the *Education Services for Overseas Students Act 2000*, the *National Code 2007* and associated legislation, and related [responsibilities and procedures](#) developed by the University.

Organisational relationships

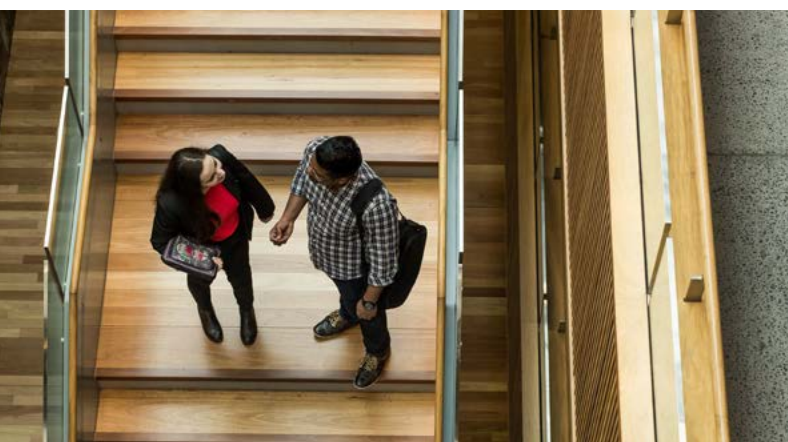
This position reports to the Executive Dean of the Faculty of Engineering, Architecture and Information Technology.



About you

The successful candidate will be able to demonstrate the following. Please note as the Centre is multi-disciplinary, this role is not discipline specific.

- Postgraduate qualifications ideally including a PhD in one of many gas-sector relevant areas (ranging from geological and engineering sciences to social science, economics or policy).
- Extensive and broad industry experience either as an industry-focussed academic, or working directly within the sector in technical and managerial roles, or as a government regulator in the sector.
- A recognised and respected player in the Australian gas sector and a demonstrated capacity to develop collaborations and alliances with other organisations internal and external to UQ.
- Demonstrated capability to form, manage and lead a diverse group of people, fostering a cooperative team environment, supporting multiple disciplines and creating the required culture and vision.
- Experience with responding to government and capability to comprehend and influence policy.
- Strong leadership skills, including strategy development and implementation and business improvement.



Conditions of employment

Employment type

This is a full-time, fixed term position for five (5) years at Academic Level E.

Salary and benefits

An attractive remuneration package will be negotiated with the successful candidate.

The full-time equivalent base salary for an Academic Level E starts at \$198,700 plus super of up to 17%. The total FTE package will start at \$232,479 per annum.

The incumbent is entitled to four weeks annual leave, 10 days personal leave and an additional five days carer's leave. Other terms and conditions of employment may be negotiated.

Employees of UQ are eligible for a range of perks and benefits, including:

- Salary packaging through Remserv and Smartsalary
- Corporate Healthcare through UQ's Corporate Healthcare Provider, Bupa
- Access to the Fitness Passport scheme, as well as UQ Sport's facilities
- Low-cost car parking options

Relocation

The University will meet all reasonable removal and establishment expenses. In the case of an interstate or international appointee, an accommodation allowance may be available for a limited period. Details will be negotiated as part of the contract of employment.

How to apply

All applicants must supply the following documents:

- Cover letter addressing Selection Criteria
- Resume

To satisfy prerequisite questions and ensure your application can be considered in full, all candidates must apply via the [UQ Careers](#) portal by the job closing deadline. Applications received via other channels including direct email will not be accepted.



The University of Queensland

For more than a century, The University of Queensland (UQ) has created positive change for society by delivering knowledge leadership for a better world.

UQ ranks among the world's top universities, as measured by several key independent rankings, including the CWTS Leiden Ranking (32), U.S. News Best Global Universities Rankings (36), the Performance Ranking of Scientific Papers for World Universities (38), QS World University Rankings (50), Academic Ranking of World Universities (47), and Times Higher Education World University Rankings (53).

At UQ, we're changing the way higher education is imagined and experienced. Our students enjoy innovative and flexible learning options, diverse and dynamic partnership opportunities, and an integrated digital and campus learning environment.

More than 55,000 students – including the majority of Queensland's highest academic achievers as well as top interstate and overseas students – study across UQ's 3 beautiful campuses in South East Queensland at St Lucia, Herston and Gatton. They include around 20,000 postgraduate and approximately 21,000 international students who contribute to a diverse, supportive and inclusive campus community.

With a strong focus on teaching excellence, having won more national teaching awards than any other Australian university, UQ is committed to providing students with the best opportunities and practical experiences during their time with us, empowering them with transferable knowledge and skills that will prepare them to exceed expectations throughout their careers.

UQ's 311,000 graduates are an engaged network of global alumni spanning more than 170 countries, and include more than 17,000 PhDs.

UQ's 6 faculties, 8 globally recognised research institutes and more than 100 research centres attract an interdisciplinary community of 2,500 scientists, social scientists and engineers, who champion research excellence and continue UQ's tradition of research leadership. This is reflected in UQ being the number one recipient of Australian Research Council Fellowships and Awards nationally across all scheme years (452 awards worth \$339 million).

UQ has an outstanding track record in commercialising innovation, with major technologies employed across the globe and gross product sales of more than \$57 billion.

UQ is one of only 3 Australian members of the global Universitas 21; a founding member of the Group of Eight (Go8) universities; a member of Universities Australia; a member of the Association of Pacific Rim Universities (APRU); and one of only 3 Australian charter members of the prestigious edX consortium, the world's leading not-for-profit consortium of massive open online courses (MOOCs).

UQ employs more than 7,410 academic and professional staff (full-time equivalent) and has a \$1.877 billion annual operating budget.



Governance

The University of Queensland is governed by a 22-member Senate representing University and community interests. Senate is led by the Chancellor, elected by the Senate. The University of Queensland Act 1998 grants Senate wide powers to appoint staff, manage and control University affairs and property, and manage and control finances to promote the University's interests.

uq.edu.au/about/governance

Strategic direction

By 2032, UQ will be known as a university that:



Delivers highly sought-after graduates, who are prepared for future success through rich and broad educational experiences



Leads as a premier provider of high-quality postgraduate and lifelong learning opportunities



Leverages the breadth and depth of its research capabilities and vibrant precincts to address the world's most pressing challenges



Is a trusted and agile partner widely regarded as a leader in entrepreneurship, knowledge exchange and commercialisation



Has an extensive global reach in education and research with a strong commitment to capacity building in the Indo-Pacific



Breaks down barriers to education through the targeted and effective Queensland Commitment



Is values-led, deeply committed to delivering for the public good and supporting our people, leading reconciliation, and embracing different life experiences and perspectives



Strategic plan 2022–2025

Our vision

Knowledge leadership for a better world.

Our mission

Our core purpose is to deliver for the public good through excellence in education, research and engagement with our communities and partners: local, national and global.

Our values

What we strive for

Creativity

We apply our creativity as a way of seeking progress. We value new ideas, seek fresh perspectives and pursue game-changing innovations and opportunities

Excellence

We strive for excellence in everything we do. We apply the highest standards to our work to achieve the greatest impact for the benefit of communities everywhere.

Central to what we do

Truth

Truth is central to all that we do as a university. We seek truth through our focus on the advancement and dissemination of knowledge, and our deep commitment to academic freedom and freedom of expression.

How we work together

Integrity

We always act with integrity. As stewards of the University's resources and reputation, we are honest, ethical and principled.

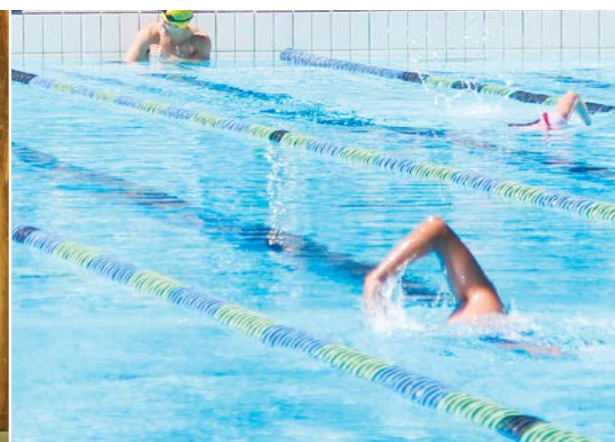
Courage

We are courageous in our decision-making. We are ambitious, bold and agile. We demonstrate moral courage, so that we are always guided by a sense of what is right.

Respect and inclusivity

We provide a caring, inclusive and empowering environment for all. We engage respectfully with one another and promote the value that our diversity brings to our whole community.

about.uq.edu.au/strategic-plan



Leadership capability expectations

The UQ Leadership Framework identifies seven key capabilities that define leadership in the UQ context. The framework aligns with UQ's strategic direction, and mission, vision and values.

Achieves results and drives accountability

Leaders ensure engagement and performance, and motivate and empower others to achieve results.

Communicates and collaborates with influence

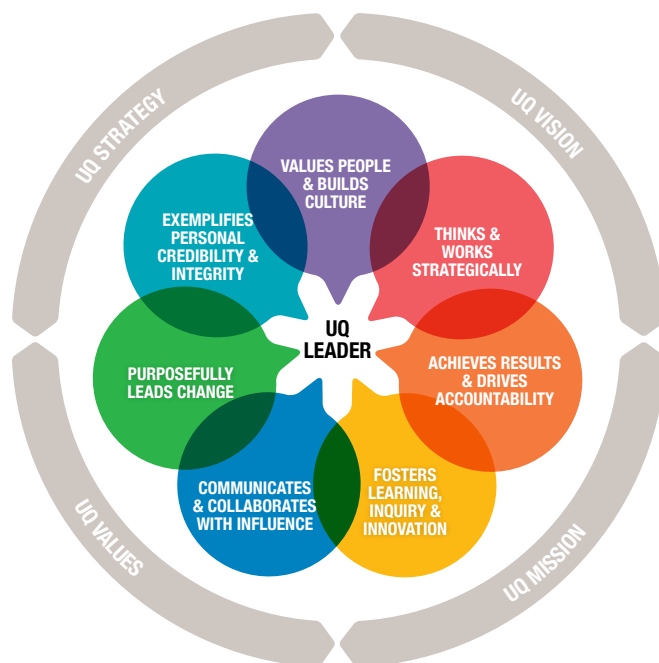
Leaders engage others in open and honest dialogue about important issues and actively seek common interests and goals.

Exemplifies personal credibility and integrity

Leaders strive for personal achievement and are visibly proactive and ethical in their dealings with others.

Fosters learning, inquiry and innovation

Leaders nurture an environment that allows for multiple perspectives, challenge assumptions, and model openness to new ideas.



Purposefully leads change

Leaders initiate and lead change and improvement agendas, modelling behaviour that embraces innovation and change.

Thinks and works strategically

Leaders create and communicate a clear direction for the future, aligned with UQ's vision.

Values people and builds culture

Leaders create a positive, constructive workplace where people feel connected and valued.



About Brisbane

Brisbane is the sunny, sophisticated capital city of Queensland and gateway to its many famous attractions. Australia's third largest city and fastest-growing capital with a population of more than 2.2 million, it offers a safe, friendly, multicultural environment. The inner city is characterised by the Brisbane River, parklands, convention facilities, museums, art galleries, a casino, malls, shopping districts and a host of cosmopolitan restaurants and cafes.

Brisbane offers a range of lifestyle benefits including climate, culture, family fun and sport. Residents and visitors can combine art and outdoor adventure in Brisbane, where South Bank's cultural institutions and restaurants meet riverside gardens and a lagoon. Take a paddle steamer or ferry down the Brisbane River, abseil Kangaroo Point cliffs and bike ride through the City Botanic Gardens. Go for a day trip to Moreton Island, Noosa, the Sunshine Coast or the Gold Coast with just a short drive to each beautiful destination. National Parks, rainforests and attractions such as Australia Zoo, Dreamworld and other theme parks are also a short drive away.

The perfect place to raise a family, Brisbane is one of the safest cities in Australia and boasts a wide range of cultural attractions, numerous theatres, art galleries and a world-class museum; the city is dubbed a food and drink lover's paradise. Brisbane is one of Australia's most liveable and affordable capital cities. Brisbane enjoys a subtropical climate providing sunny days almost all year round, with enough rainfall to keep the city and suburbs cool and green.

Just an hour south of Brisbane's CBD is the Gold Coast, where the high-rises are built around superb beaches like Surfers Paradise with lively nightlife, international theme parks and designer boutiques. A few hours drive north from Brisbane is the Great Barrier Reef, one of the 'natural wonders of the world'. As the largest World Heritage Area, it stretches more than 2,000 kilometres alongside the coast, and is home to around 1,500 species of fish and 350 types of coral. Stradbroke, Moreton and Fraser Islands are also world-famous attractions that are close to Brisbane, and offer some of the largest sand dunes in the world.

A leader in education

Brisbane has a wide range of high-quality schools at primary and secondary level, religious or non-denominational, single-sex or co-educational, with many offering excellence programs or other specialty features such as the International Baccalaureate. Brisbane also offers some of the greatest learning institutes in Australia, with three major internationally recognised universities on offer. Each Brisbane university offers a high-quality learning environment with access to some of Australia's finest institutions covering all areas of study from law and medicine through to business, marketing, tourism, IT and biotechnology. The University of Queensland (UQ) is one of Australia's leading research and teaching institutes, ranking among the world's top universities.

Lifestyle

In the heart of Brisbane city, Queen Street Mall is a vibrant shopping and lifestyle precinct and is Australia's most popular pedestrian mall. Brisbane is also the home for many of Queensland and Australia's major sporting events in rugby league, rugby union, AFL and cricket.

Brisbane residents have excellent access to healthcare in both public and private sectors, covering hospitals, general practitioners, dentists and other allied healthcare professionals. The numerous public and private hospitals include the Princess Alexandra Hospital, the Mater Hospital network, The Queensland Children's Hospital and the Royal Brisbane and Women's Hospital. Urgent and emergency medical care is readily available to everyone.

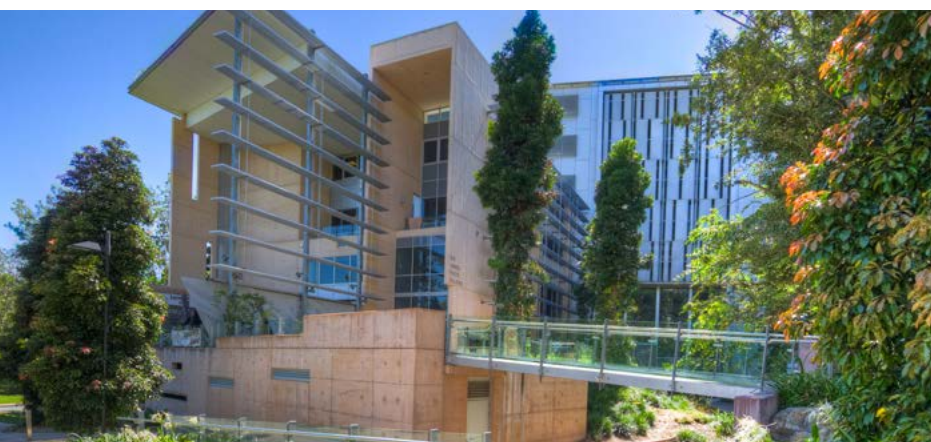


Further information

General information on the University is available through the University's website:
uq.edu.au

Other documents which you may wish to refer to include:

- Annual Report:
about.uq.edu.au/organisation/policies-procedures-guidelines/annual-reports
- Governance:
about.uq.edu.au/governance
- Key statistics:
pbi.uq.edu.au/ClientServices/UQStatistics/index.aspx
- Organisation chart:
about.uq.edu.au/files/5643/org-chart.pdf
- Research at UQ:
research.uq.edu.au
- Strategic Plan 2022–2025:
about.uq.edu.au/strategic-plan
- UQ Global Strategy:
global-strategy.uq.edu.au
- UQ Reconciliation Action Plan:
about.uq.edu.au/reconciliation/plan
- UQ Aboriginal and Torres Strait Islander Employment Strategy:
staff.uq.edu.au/files/24066/uq-indigenous-employment-strategy-2019.pdf





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