



BLUEPRINT FOR A BIOREFINERY INDUSTRY IN AUSTRALIA



Queensland University of Technology's (QUT's) blueprint for an Australian biorefinery industry is designed to capitalise on our country's existing strengths in:

**agriculture
advanced manufacturing
innovation**



This blueprint is firmly focused on industry forging the pathway to a profitable future, supported by partnerships with research and government to drive the industry forward.

This blueprint focuses on four key areas: creating business opportunities, developing and attracting the best technologies and people, developing biorefinery hubs, and supporting commercial developments. Together these areas provide a platform to engage with industry and deliver programs of activity that will advance development of a biorefinery industry. While some initial activities have been outlined in this blueprint, we anticipate this to be an evolving dialogue and process, enabling responses to new opportunities to be incorporated as they arise.



CREATE BUSINESS OPPORTUNITIES

- Identify industry champions in order to promote biorefineries as a priority sector for Australia.
- Establish an industry forum to provide industry education and advice, and promote the benefits of biorefining to manufacturing, agriculture, and other sectors.
- Develop business cases for biorefinery projects in Australia.
- Develop an information portal for industry on biorefinery resources, support services and infrastructure.

DEVELOP AND ATTRACT THE BEST TECHNOLOGIES AND PEOPLE

- Build Australian research, development and engineering capacity in biorefinery industries through targeted research and development.
- Leverage international investment in biorefinery technologies through international research and development linkages and industry/research partnerships.
- Ensure that availability of courses and skills training across the education, training and vocational sectors are appropriate to meet future industry needs.

DEVELOP BIOREFINERY HUBS

- Investigate opportunities to establish a first-of-kind biorefinery technology hub to demonstrate technologies to industry at a pre-commercial scale in Australia.
- Identify and promote broader opportunities for new agricultural and biorefinery hubs across regional Australia, particularly focusing on Northern Australia.
- Ensure investment opportunities are leveraged through industry/research partnerships.

SUPPORT COMMERCIAL DEVELOPMENTS

- Develop supply chains and undertake front-end engineering and design of commercial biorefinery facilities.
- Identify legislative and regulatory requirements to facilitate and attract private investment in biorefinery projects.
- Develop a program for targeted support to establish the first commercial biorefinery projects.

QUT OUR ROLE

QUT is committed to supporting the development of this new industry.

We will continue to provide a vision for a biorefinery sector in Australia and engage with industry through high-quality research, development, education and training to ensure all opportunities are harnessed to deliver maximum benefits to industry and the Australian economy.

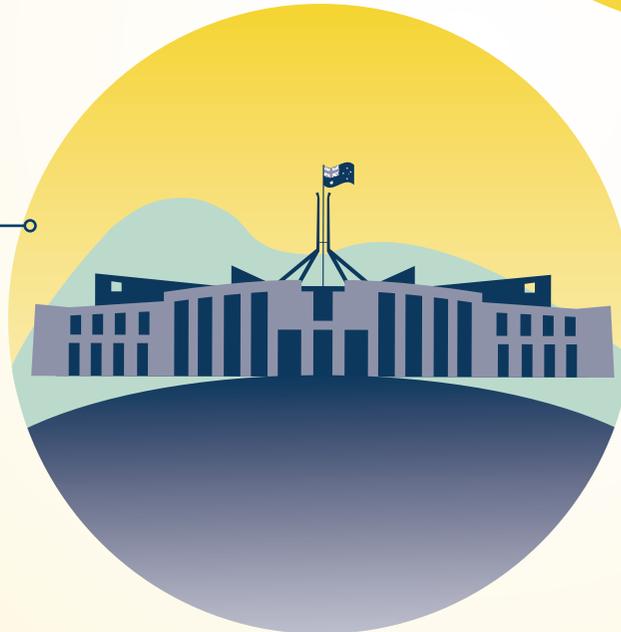
We will collaborate with stakeholders across industry, research and government to bring this game-changing opportunity to life.



QUT
VISION
INNOVATE
EDUCATE

GOVERNMENT

FACILITATE
ATTRACT
SUPPORT



INDUSTRY

PLAN
PARTNER
INVEST

