C. AQ initiative objectives

This appendix provides further information on the objectives established for the AQ initiative, the 2022–2032 roadmap, and the new *Ideas into Impact: From discovery to delivery, Science and Innovation Strategy* (science and innovation strategy).

Initial objectives

Figure C1 outlines the strategies and objectives of the AQ initiative included in the evaluation framework.

Figure C1
Advance Queensland strategies and objectives in the evaluation framework

Strategy: Supporting culture

Increase innovation awareness and engagement
Increase Queensland's reputation as a knowledge economy and Queenslanders' awareness and engagement in innovation, including science, research, technology, business, and start-up activity
Increase entrepreneurialism
Build Queensland's culture of entrepreneurialism and clusters of entrepreneurial activity

Strategy: Building capability

Increase innovation capability
Improve research capability and business and industry skills for undertaking innovation
Develop, attract, and retain talented people (including STEM skills)
Increase uptake and individual skills (including STEM) and build the science, research, and technology strength that enables increased innovation and entrepreneurial activity

Strategy: Fostering collaboration

Build sustainable partnerships to deliver outcomes
Increase the value of local, national, and international collaboration – business to research, business to business, and research to research
Increase local and international networks
Increase the number and scale of connections locally, nationally, and globally – business to research, business to business, and research to research

Strategy: Increasing investment

Grow pipeline of investable products and services
Increase business investment in innovation and start-up activity, including capital expenditure and external innovation investment
Build access to capital
Build Queensland's venture capital industry, and increase cross-industry innovation investment and investment from third parties

Strategy: Scaling for jobs and growth

Expedite commercialisation
Increase the ideas, research, and technologies turned into commercial products, processes, or systems
Increase economic benefits from innovation (including jobs)
Increase employment opportunities; improve profitability, productivity, and exports; and stimulate economic growth through increased innovation

Note: STEM – science, technology, engineering, and mathematics.

Source: Advance Queensland Evaluation Framework, July 2019.

2022–2032 roadmap objectives

Figure C2 outlines the 2022–2032 roadmap priorities and objectives.

Figure C2
2022–2032 roadmap priorities and objectives

Priority	Objective
Greater investment attraction and more innovative businesses starting, growing, and staying in Queensland	• Attract and retain more innovative businesses in Queensland • Increase start-up and business survival rates • Strengthen Queensland's venture capital market • Increase the value of capital invested in Queensland start-ups and businesses • Increase high-value knowledge economy jobs
Queensland's world-class research and collaborations are translated into creating commercialisation opportunities	• Increase expenditure on research and development • Enhance commercialisation of research and development • Improve research–business collaboration • Support growth of university research income • Increase investment in intellectual property
Queensland's existing and emerging priority industries and talent are globally competitive	• Increase the proportion of knowledge economy workers in the Queensland workforce • Enhance the contribution of priority industries in the Queensland economy • Increase knowledge-intensive productivity growth • Improve STEM uptake and innovation and entrepreneurial skills in education and the workforce

Priority	Objective
Queensland's big challenges and events are supported through innovative and sustainable solutions	• Encourage increased innovation and participation by innovative start-ups and SMEs in Queensland Government procurement • Facilitate more partnerships and contracts between corporates, SMEs, and start-ups • Increase investment to develop and implement solutions for key challenges and events • Improve business collaboration on innovation
Queensland has world-class innovation infrastructure to drive ideas through to commercialisation, adoption, and diffusion	• Position Queensland precincts, places, and hubs to reach their full potential for attracting investment and creating jobs • Co-locate innovation precincts and places with research education and training institutes • Improve digital infrastructure accessibility
Queensland has a well-connected, inclusive, and thriving innovation ecosystem	• Increase the participation of priority cohorts (including regional, female, and First Nations innovators) in the Queensland innovation ecosystem • Improve business digital readiness • Increase regional economic diversification

Note: STEM – science, technology, engineering, and mathematics. SME – small and medium enterprise.

Source: Advance Queensland – Innovation for a Future Economy Roadmap 2022–2032.

Science and innovation strategy objectives

Figure C3 outlines the focus areas, actions, and success measures identified in the new science and innovation strategy.

Figure C3
Science and innovation strategy: Focus areas, actions, and success measures



Accelerating ideas – bringing people together to grow ideas and turn research into real-world solutions

Actions	Success measures
• Support early-stage innovation to accelerate commercialisation and real-world impact • Pilot new approaches to unlock and commercialise intellectual property, strengthening industry and investor engagement • Build entrepreneurship and commercialisation capability to grow investment-ready ventures • Strengthen the advanced technology talent pipeline through targeted training and industry-connected pathways • Promote and increase STEM participation and entrepreneurial skills, focusing on youth, women, and regional and First Nations communities • Deliver a new connector service to link researchers, universities, and businesses and support faster translation	• More Queensland ideas progress towards impact • Queensland's science and innovation workforce grows, diversifies, and becomes more mobile

Unlocking investments – opening doors to new investments and markets for everyone

Actions	Success measures
• Establish an Office of Commercialisation to accelerate the commercialisation of new ideas and discoveries • Grow Queensland's share of national research and development funding by backing priority partnerships • Activate co-investment to help high-potential researchers, founders, and businesses to translate ideas, attract private and federal capital, and grow • Deliver targeted scale-up support to help high-growth businesses strengthen investment readiness and expand into new markets • Use procurement, innovation challenges, and pilot programs to open market opportunities, test Queensland solutions in real-world settings, and support early adoption	• High-growth firms have a clear commercialisation pathway to grow and stay in Queensland • Innovative Queensland businesses are securing more state and local government procurement contracts • Queensland is growing its share of national research and development funding

Activating partnerships and places – strengthening connections through science and innovation hubs and partnerships

Actions	Success measures
• Build partnerships with universities, research institutes, industry, and international partners to attract timely investment and capability • Co-invest in shared research and innovation infrastructure to strengthen capability and access to national funding • Activate precinct and place-based opportunities to support research and business capability, connections, and commercialisation • Accelerate adoption of artificial intelligence and advanced technologies to lift productivity and solve Queensland challenges • Deliver an annual science and innovation conference to connect partners and showcase opportunities • Establish a Ministerial Science and Innovation Advisory Council to guide priorities and coordination	• Queensland provides opportunities for partnerships and connections between research, industry, government, communities, and precincts and hubs • Queensland supports strategic investment in research and innovation infrastructure • Enhanced uptake and application of advanced technologies

Note: STEM – science, technology, engineering, and mathematics.

Source: Compiled by Queensland Audit Office from Ideas into Impact: From discovery to delivery, Science and Innovation Strategy.