







## Strategic Plan 2018-2021

Our vision is a community who values, embraces, and engages in science, supported by world-leading collaborative researchers and a dynamic knowledge economy which creates jobs, keeps Queenslanders healthy, and protects our unique environment

### Our contribution to 'Our Future State: Advancing Queensland's Priorities':

-  **Create jobs in a strong economy** – facilitate increased participation in STEM to equip workers for the knowledge-based jobs of the future; devise strategies/ identify trends and opportunities to increase the impact of Queensland's research capability from R&D translation and attracting private sector investment
-  **Give all our children a great start** – provide support for programs to increase student participation in STEM subjects and science-based communication and engagement activities
-  **Keep Queenslanders healthy** – facilitate and promote health research, including precision medicine and genomics
-  **Keep communities safe** – promote knowledge of environmental issues to the broader community and promote the importance of research (e.g. Citizen Science Strategy)
-  **Protect the Great Barrier Reef** – assist the contribution by science to reducing climate change impacts (e.g. coral bleaching); foster avenues for reduced pollution from sediment and nutrient load
-  **Be a responsive government** – engage with science stakeholders; work to improve the role of the government in research collaboration partnerships and engagement with external parties

### Our purpose:

We lead the development of science strategy across government, as well as promoting Queensland science and research, and engaging with science and innovation stakeholders to increase research collaboration and to maximise the contribution by science to an innovative and knowledge-based economy

### To achieve our objectives, we will:

#### Queensland science promotion:

- report on the status of science in Queensland
- publish R&D expenditure by the Queensland Government
- promote events and activities by recipients of Engaging Science Grants
- attend and speak at STEM-based events (Queensland Chief Scientist)
- provide training for scientists through Partner Up QLD to increase their communication/ networking skills and career development potential
- promote science through the OQCS website, newsletter, social media, and events (e.g. Young Tall Poppy science awards)

#### Science engagement:

- develop and launch a citizen science strategy and grants program
- deliver OQCS National Science Week events and activities across Queensland
- support the Queensland Museum to deliver World Science Festival events and activities in Brisbane and regional areas
- support Inspiring Australia to deliver STEM-related events and activities
- support programs which encourage student participation in STEM
- develop/maintain strong State/national/international scientific partnerships

#### Science strategy:

- review/revise science and research priorities/investment decision rules
- provide advice and strategic direction on development of critical strategies, including Advance Queensland and the AQ Expert Panel
- review opportunities in science and research for the State
- identify and facilitate opportunities to leverage funding for R&D
- work with the DVC-Rs to identify and develop priority initiatives
- develop/ promote Queensland Government principles for research collaboration and engagement and help develop supporting interfaces
- work with universities to develop a framework for collaboration
- focus on effective solutions to the State's major scientific challenges

### Measures of success:

- increased research impact through the creation of knowledge jobs, investment attraction, and economic growth
- a flourishing Queensland science and research sector with:
  - greater collaboration by groups within the sector and with industry
  - improved research translation with State-wide benefits
- greater participation and enrolment in STEM subjects
- acknowledgement of the role of the Queensland Chief Scientist as an authoritative and valued advisor

### Our opportunities:

- shape the future for the next generation of STEM workers
- increase the impact of our science and research
- increase research collaboration and engagement by the government, research groups, and industry
- help solve our major scientific challenges through focussed solutions
- support an environment in which Queensland has:
  - the highest per capita STEM enrolments nationally
  - a thriving science base and is home for world-leading researchers
  - a knowledge economy underpinned by science and innovation

### Our challenges and risks:

- overcoming resistance to change in implementing initiatives to drive research collaboration and engagement
- maintaining capacity to keep abreast of emerging trends and issues, and to balance a future focus with current demands
- overcoming community perceptions that STEM subjects may be difficult



#### Customers first

- Know your customer
- Deliver what matters
- Make decisions with empathy



#### Ideas into action

- Challenge the norm and suggest solutions
- Encourage and embrace new ideas
- Work across boundaries



#### Unleash potential

- Expect greatness
- Lead and set clear expectations
- Seek, provide and act on feedback



#### Be courageous

- Own your actions, successes and mistakes
- Take calculated risks
- Act with transparency



#### Empower people

- Lead, empower and trust
- Play to everyone's strengths
- Develop yourself and those around you

# Office of the Queensland Chief Scientist Strategic Plan

2018-2021

5 July 2018

