

2020-23

Strategic Plan

The **Goyder Institute for Water Research** is a research alliance of the South Australian Government through the Department for Environment and Water, CSIRO, Flinders University, the University of Adelaide and the University of South Australia.

The Institute facilitates collaboration of governments, industries, and leading researchers to identify, develop and adopt sustainable, innovative and integrated solutions for complex water management challenges.





Water underpins the vibrancy of our communities

Sustainable, innovative and integrated water solutions are critical for supporting our cultural, economic, environmental and social values into the future.



Our value proposition

The Goyder Institute provides a collaborative “one-stop-shop” to identify, develop and adopt water solutions for complex water management challenges:

1. Identify

We are a trusted research broker for scoping collaborative, interdisciplinary teams and projects that utilise leading water research expertise.

2. Develop

We combine the complementary strengths of partners and collaborators to deliver high-performing and interdisciplinary research projects.

3. Adopt

We facilitate the adoption of science through demand-driven research, knowledge adoption activities and direct involvement of end-users in research.



Vision

The Institute will enhance the vibrancy of communities of South Australia and Australia by being a leader of impactful research for sustainable, innovative and integrated water management.



Mission

The Institute will facilitate collaboration of governments, industries, and leading researchers to identify, develop and adopt sustainable, innovative and integrated solutions for complex water management challenges.



Values and operating principles

Impact

Demand driven research that drives change to ensure long-term sustainability of water resources.

Collaboration

Interdisciplinary, multi-organisational and collaborative projects and teams.

Excellence

High-quality and quality-assured research outputs.

Delivery

Timely and cost-effective delivery of projects.

Capability and Capacity

Building capability and capacity in partners, collaborators and end-users.

Communication

Sharing science with end-users and the community for informed decision-making.

Respect, Inclusion and Diversity

Positive, respectful and inclusive relationships and interactions, including shared learning approaches with First Nations.



Priority impact areas

The Institute will focus on large opportunities to address complex problems of international, national and state significance to support the vibrancy of communities that align to key policies such as the United Nations' Sustainable Development Goals, the National Water Initiative, the Murray-Darling Basin Plan and the South Australian Climate Change Action Plan.



Water for cities and people

Integrated urban water management to enhance the cultural, environmental, social and economic value of the landscape for the wellbeing of urban communities. Identifying potable water source options to support the health and wellbeing of remote communities.



Water for the environment

Restoration and protection of key ecological assets to maintain our biodiversity and support the health and wellbeing of all communities.



Water for agriculture

Identifying alternative water management options and optimised management of water portfolios to enhance agricultural productivity and underpin the economic and social wellbeing of regional and remote communities.



Water for mining

Identifying water supply and waste management options to support a sustainable mining sector and dependent communities.



Climate resilience

Developing climate resilient solutions for Water for Cities and People, the Environment, Agriculture and Mining.



2020-23 goals

The Goyder Institute will:

- Establish a large, diverse and impactful research portfolio
- Successfully deliver established research projects
- Continue to build capacity and capability in Institute partners and end-users
- Continue to build the collaborative model through the establishment of new project partners
- Seek to be recognised nationally as a trusted source for undertaking independent and impactful research
- Establish a viable long-term operating model that will lead to a fourth term of the Institute



Research of the Healthy Coorong Healthy Basin program — a critical element for achieving 2020-23 goals

2020-23 goal

Large, diverse and impactful research

Research project delivery

Capacity and capability

Collaboration

National recognition

Long-term operating model

Contribution

- Five integrated, interdisciplinary projects with a total value of approximately \$8 million
- Input to an integration project to inform the identification of management infrastructure
- Clearly defined deliverables, budgets and scope, including 31 technical reports with a dedicated Research Program Manager
- Quality assurance processes established
- Supporting the careers of approximately 50 researchers, including 20 early to mid career researchers
- Outputs incorporated into decision support tools for the site, with frequent and regular engagement with site managers regarding research findings
- All Institute partners collaborating, along with nine other leading water research organisations
- Community stakeholders, including First Nations, partnering in research delivery through citizen science and field support
- Australian and South Australian Governments as the funding partners
- Topic of national importance
- Regular communication of outputs to a broad audience
- Proof of concept for a viable long-term operating model for the Institute



Longer term goals

The Goyder Institute will establish a viable long-term future because it:

- has a large, diverse and impactful research portfolio that includes a combination of large, long-term projects and rapid response, strategic projects
- has research partnerships with state, national and international governments and industries
- continues to build capacity and capability in Institute partners, collaborators and end-users
- builds on the collaborative model through the establishment of new partners outside of South Australia and representation of First Nations
- is recognised as a leader for driving the international, national and state water agendas and as a trusted source for undertaking independent and impactful research

Priority stakeholders for growth

- **Maintain** existing relationships with the South Australian Government through the Department for Environment and Water with the aim of being a priority delivery partner based on performance
- **Develop** new collaborative project partnerships with the Australian Government and other South Australian Government departments and agencies
- **Collaborate** with other leading water research and industry organisations
- **Learn** from First Nations regarding their values and knowledge of water management
- **Engage** with local and interstate governments to realise the full potential of research projects
- **Explore** opportunities for new collaborative partnerships with rural research and development corporations; large mining companies; international government departments and agencies; and philanthropic organisations



Evaluating performance

At 30 June 2023, to what extent has the Institute:

- Established a large research portfolio and ‘pipeline’ of diverse opportunities?
- Achieved important and substantial cultural, economic, environmental and social impacts for communities?
- Successfully delivered projects against agreed timeframes, budget and scope with high quality outputs?
- Built capacity and capability within partners and end-users?
- Fostered collaboration across partners and state, commonwealth and international governments and industries and First Nations?
- Become recognised as a priority delivery partner for delivering large, collaborative water research programs?
- Communicated its achievements to a broad audience of stakeholders?
- Developed a viable long-term operating model?

