

A dynamic background image showing water splashing and dripping, with a blue and white color palette. The water is captured in mid-air, creating a sense of movement and freshness.

2021 ANNUAL REPORT

PROGRESS TOWARDS
2023 GOALS



GOYDER
INSTITUTE
FOR WATER RESEARCH

ABOUT US



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





HIGHLIGHTS TO DECEMBER 2021

- Establishment of new operating model
- Release of Strategic Plan 2020-2023
- Professor Barry Hart and Dr Alec Rolston join the Institute
- Delivery of five integrated projects to inform the restoration of the iconic Coorong
- Establishment of a new project with industry
- Winner of Australian Water Association's SA Branch R&D Award





IMPACTFUL RESEARCH ACROSS ALL IMPACT AREAS



WATER FOR CITIES AND PEOPLE

Identifying integrated management approaches to improve the environmental and social values of stormwater and urban waterways for the wellbeing of Adelaide communities



WATER FOR THE ENVIRONMENT

Informing the restoration of the Coorong to support its cultural, economic, environmental and social values for local, South Australian, Australian and international communities



WATER FOR AGRICULTURE

Co-designing solutions with the agricultural sector of the Murray-Darling Basin to support prosperous communities through the proposed ONE Basin Cooperative Research Centre



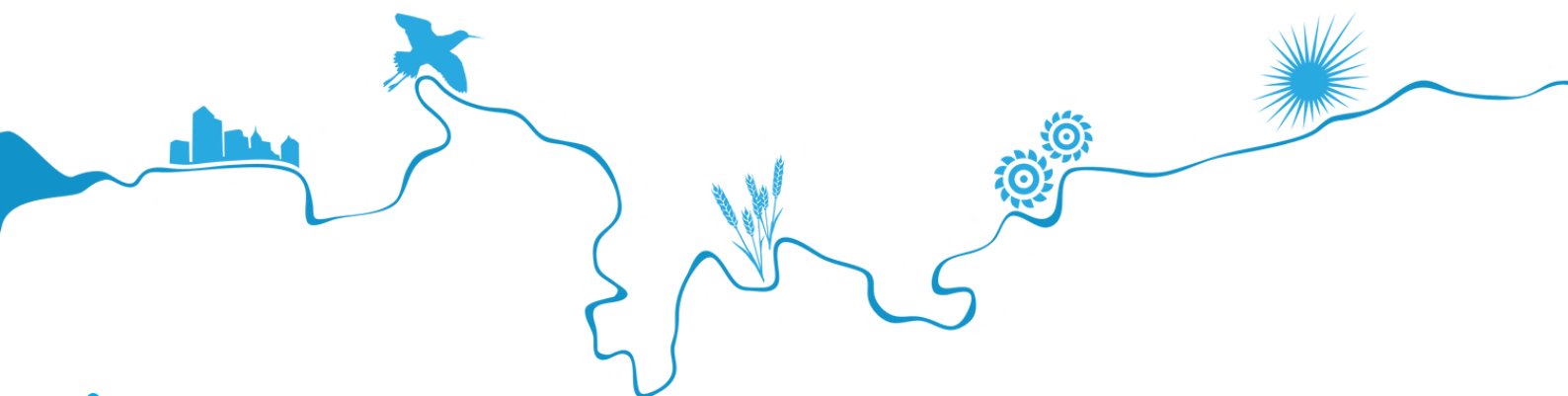
WATER FOR MINING

Analysing water resources in the South Australian Arid Lands region to support stakeholders identify shared challenges and potential collective actions



CLIMATE RESILIENCE

All established and proposed initiatives focus on climate adaptation and supporting the climate resilience of our communities



GOAL

Establish a large, diverse and impactful research portfolio

EVALUATION

At June 2023, to what extent has the Institute:

- achieved important and substantial cultural, economic, environmental and social impacts for communities?
- established a large research portfolio and 'pipeline' of diverse opportunities?

ACHIEVEMENTS

Research Impact:

- Healthy Coorong, Healthy Basin research informing restoration actions for the Coorong
- Sustainable water allocations for agriculture and wetlands in the Limestone Coast
- Future risks and opportunities to water resources for all stakeholders in the Arid Lands identified
- Priority urban water management interventions for improving coastal health established

Research Portfolio:

- >\$9 million secured across all Impact Areas
- \$8 million to be established for Water for the Environment and Cities and People Impact Areas
- ONE Basin Cooperative Research Centre to final bid stage for Water for Agriculture Impact Area
- >\$25 million being actively pursued across all priority Impact Areas

RESEARCH PORTFOLIO & IMPACT



CAPACITY & CAPABILITY

GOAL

Build capacity and capability in Institute partners and end-users

EVALUATION

At 30 June 2023, to what extent has the Institute built capacity and capability within partners and end-users?

ACHIEVEMENTS

- Building capability in Partners across 17 areas of research (ANZ Standard Research Classification, 2020)
- Building Partner capacity by supporting 35 full-time equivalents, corresponding to a total of 100 research staff and students
- Healthy Coorong, Healthy Basin projects involve 57 research staff, including 29 early to mid career researchers and 7 students
- Healthy Coorong, Healthy Basin outputs incorporated into decision support tools for the Coorong, with regular engagement with site managers regarding research findings
- Supporting end-user capability with all new projects having Project Advisory Committees consisting of key end-user representatives



DELIVERY

GOALS

Successful delivery of established research projects

EVALUATION

At June 2023, to what extent has the Institute delivered projects against agreed timeframes, budget and scope with high quality outputs?

ACHIEVEMENTS

- 3 projects successfully delivered & 7 projects underway
- Strong progress towards successfully delivering Healthy Coorong, Healthy Basin final deliverables against agreed timeframes, budget and scope
- Delivery of 13 peer-reviewed technical reports, 42 internal reports and data products, 10 knowledge adoption outputs and 14 knowledge adoption activities/events
- All technical reports, conference papers and manuscripts peer reviewed with oversight of Research Advisory Committee

GOAL

Build on the collaborative model through the establishment of new project partners

EVALUATION

At 30 June 2023, to what extent has the Institute fostered collaboration across partners and state, commonwealth and international governments and industries and First Nations?

ACHIEVEMENTS

Research delivered by Institute Partners in collaboration with 10 external research organisations

Partnering with 13 end-user and stakeholder groups, including 3 new funding partnerships:

- Australian Government: Department of Agriculture, Water and the Environment
- South Australian Government: Department for Environment and Water; Environmental Protection Authority; SA Water
- Regional / local Government: Limestone Coast Landscape Board; Green Adelaide; Local Governments
- Industry: URPS & BHP
- Communities: Ngarrindjeri; First Nations of the South East; Coorong community group; South East water allocation planning stakeholders (forestry, agriculture, environmental)

Healthy Coorong, Healthy Basin:

- 5 integrated projects delivered by Institute Partners in collaboration with 8 other leading research organisations
- Informing management actions of the Department for Environment and Water
- Partnering with community stakeholders, including First Nations, through citizen science and field support



GOAL

Recognised nationally for undertaking impactful research

EVALUATION

At June 2023, to what extent has the Institute:

- become recognised as a priority delivery partner for delivering large, collaborative water research programs?
- communicated its achievements to a broad audience of stakeholders?

ACHIEVEMENTS

- Winner of the Australian Water Association's SA Branch R&D Award
- Successful delivery of Healthy Coorong, Healthy Basin activities
- Regular engagement with South Australian and Australian Government representatives
- South Australian lead for the proposed ONE Basin Cooperative Research Centre
- Regular communication to stakeholders through a range of media



PLANNING

GOAL

Establish a viable long-term operating model

EVALUATION

At 30 June 2023, to what extent has the Institute developed a viable long-term operating model?

ACHIEVEMENTS

- Implementation of new operating model as evidence of a viable long-term model
- Positive feedback from stakeholders regarding the Institute's leadership for establishing and delivering large research programs
- Planning for long term operating model with Partners initiated by the Management Board

Financial Statement

21

FINANCIAL SUMMARY FOR 2020-2021

Description	Opening balance (\$,000's)	Income (\$,000's)	Expenditure (\$,000's)	Result (\$,000's)	Closing balance (\$,000's)
Administration	\$561	\$328	\$536	(\$208)	\$353
Research	\$2,574	\$2,120	\$2,758	(\$638)	\$1,936
Knowledge Management	\$90	\$0	\$74	\$16	\$16
Total	\$3,135	\$2,538	\$3,368	(\$830)	\$2,305

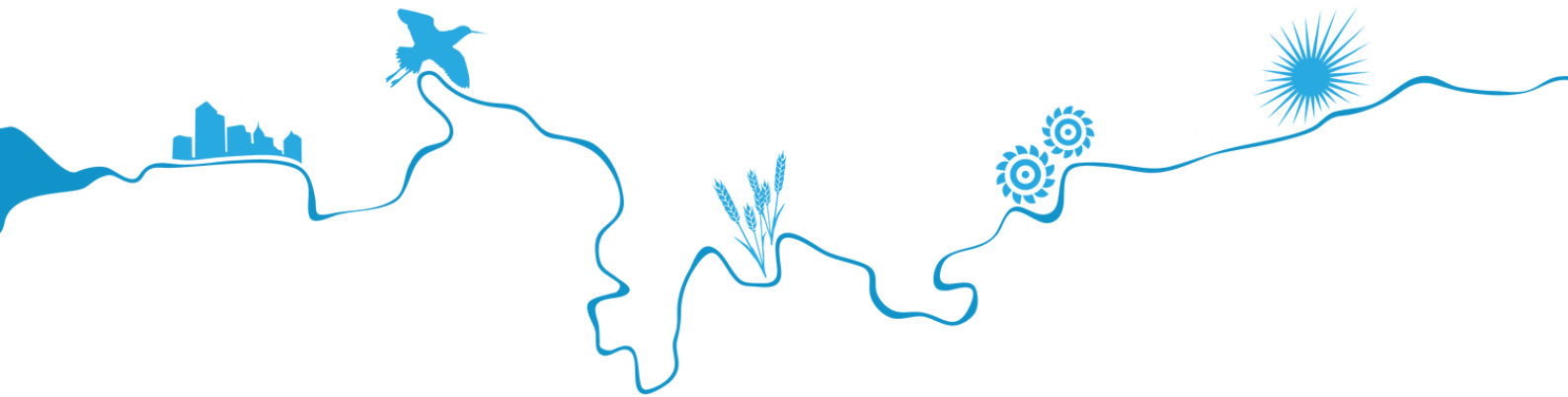
84% of total budget to research and knowledge management to maximise impact

Expenditure for 2020-2021 consistent with approved budget

Independent audit confirmed the correctness of financial reporting



GOYDER INSTITUTE FOR WATER RESEARCH



Government
of South Australia
Department for
Environment and Water



Flinders
UNIVERSITY



THE UNIVERSITY
of ADELAIDE



University of
South Australia