



Goyder Institute for Water Research Coorong, Lower Lakes and Murray Mouth Research Centre

Dr Alec Rolston | Director

Demand Driven Research – Research Informing Policy





The Goyder Institute for Water Research is a research partnership 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 governments, industries, and leading researchers to collaboratively identify, develop and adopt innovative solutions for complex water management challenges to ensure a sustainable future



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Value Proposition

A collaborative *one-stop-shop* to identify, develop and adopt sustainable, innovative and integrated solutions to complex water challenges

Identify

A trusted research broker for scoping collaborative, interdisciplinary teams and projects, utilising world-leading water research expertise



Develop

Combining the complimentary strengths of partners and collaborators to deliver high performing, interdisciplinary research programs



Adopt

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



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What we do



Create Impact

Deliver demand-driven research that drives change to ensure long-term sustainability of water resources



Build Capacity and Capability

Build and develop capacity and capability of our partners and collaborators



Collaboration

Form interdisciplinary, multi-organisational and collaborative projects and teams



Innovate

Develop innovative tools, solutions and knowledge to address challenges and benefit people, industry and the environment



Communicate

Share the knowledge and learning that we create with end-users and community to enable informed decision making

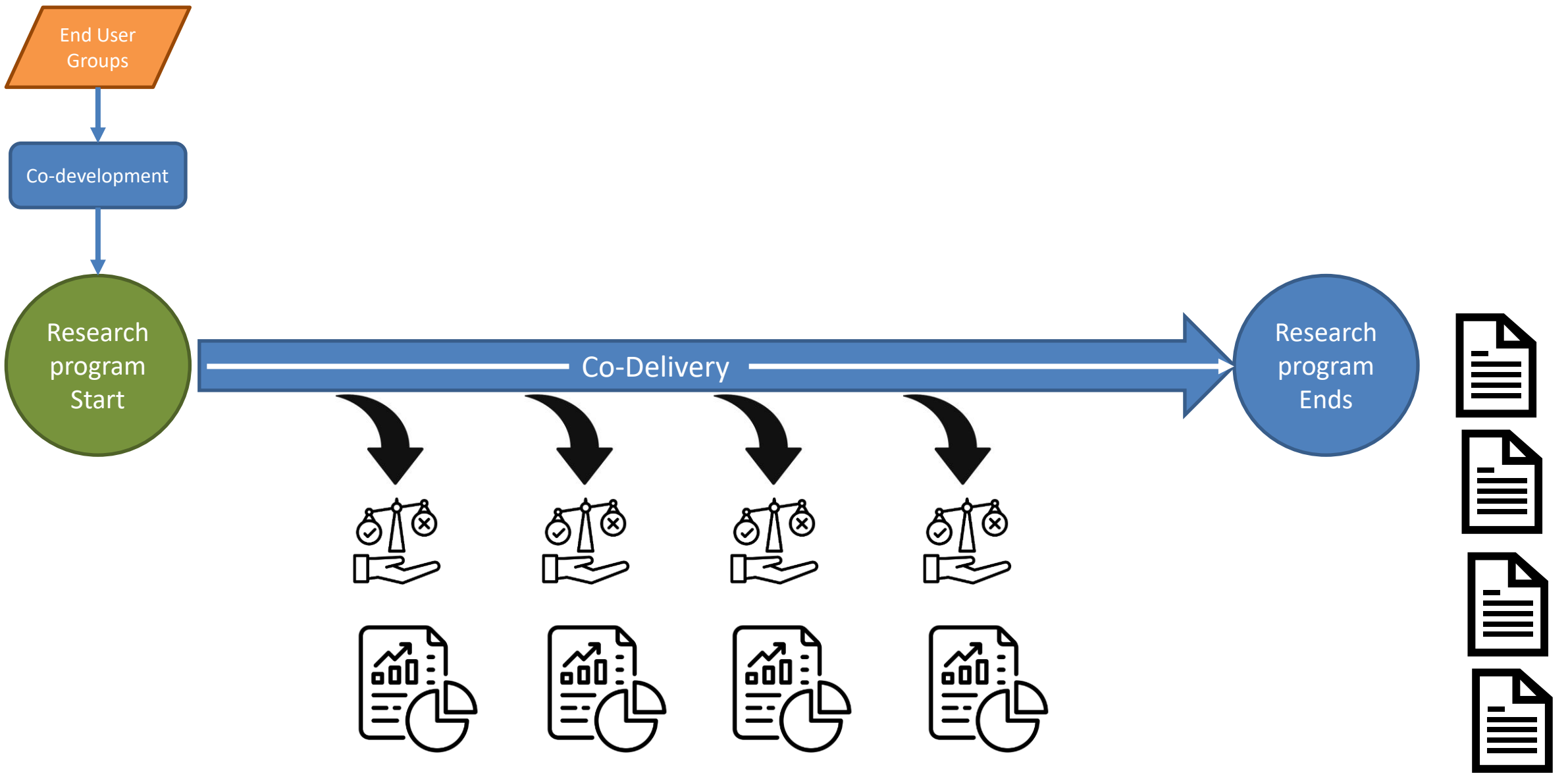


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What we do



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Coorong, Lower Lakes and Murray Mouth



Saintilan and Overton (2010)



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Coorong, Lower Lakes and Murray Mouth Research Centre

“A new water research hub will harness First Nations and community input and improve scientific knowledge to better manage the internationally significant Coorong, Lower Lakes and Murray Mouth region.”

Minister Plibersek, 6 October 2022

- \$8 million funding from Australian Government for the Goyder Institute **to work with communities to investigate the impacts of climate change** on the CLLMM region
- Followed significant advocacy from Rebekha Sharkie MP and local community representatives.



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CLLMM Research Centre - Purpose

“An important part of the Goyder Institute’s work will be to develop relationships with First Nations, communities and industries to harness ideas to improve management of this ecologically important area.”

Minister Plibersek, 6 October 2022

Mission

Through collaboration between First Nations, the community, governments and researchers, the CLLMM Research Centre will provide the evidence-base, capacity and capability for the identification of future management actions to support the CLLMM’s biodiversity and ecosystem services.



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CLLMM Research Centre

- Regionally based hub of the Goyder Institute, building on the Institute's collaborative model
 - Strong regional presence
 - Engagement and participation
 - Staff and hot-desking
 - 'Hub and Spoke' Research Centre and engagement 'nodes'
- Geographical scope
 - Adjoining River Murray, Lower Lakes, Coorong Lagoons, fringing wetlands, Murray Mouth, marine environment
- Funding term: 2022-2026
 - Establishment phase began 1 July 2023



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CLLMM Research Centre Objectives

Provide Critical Knowledge

- Inform decision making so communities, ecosystems and industry can adapt to a changing climate.
- The desired ecological outcomes of the Basin Plan are met.
- International obligations (e.g. Ramsar) are met.

Support community and First Nations well-being

- Support the restoration of a healthy CLLMM, supporting local values.
- Incorporation of scientific knowledge of First Nations, community, governments and researchers to inform decision making and management of the region.

Enhance prosperity and capacity

- Co-develop and co-deliver locally based research through which community and First Nations can participate and lead, building on previous research activities.
- Increase capacity within the community, First Nations and researchers in designing and delivering research activities.

Enhance standing

- Establish the CLLMM region as a world-leader of the creation, integration and adoption of the scientific knowledge of First Nations, communities, governments and researchers for the sustainable management of wetlands.

CLLMM Research Centre - Research

- Science program delivery
 - Interdisciplinary teams of Institute partners, First Nations representatives, locally-based service providers, community members, collaborators
- Research Program
 - Co-developed and prioritised with First Nations, community and end users
 - Themes identified through previous community engagement include:
 - Ecosystem services
 - Threatened species
 - Climate mitigation
 - Climate adaptation



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CLLMM Research Centre – Foundation Projects

- 11 Foundation projects currently in development
- Less than 1 year duration
- Aim to inform longer-term research program

Blue Carbon	Iconic Species
Climate Adaptation	Immersive Experience
Citizen Science	Ngurunderi the Creator Story
Ecosystem services	Participatory Processes
Estuarine connectivity	Waterbird Priorities
First Nations Engagement	



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CLLMM Research Centre– Engagement and Training

- Purpose
 - Facilitate community and First Nations participation
 - Develop capacity
- Augmented reality platform
 - Enhance appreciation and understanding of region's value
 - Explore content on environmental condition and community and First Nations values
 - Interactive portals 1) Natural history 2) Millennium Drought 3) Environmental flows 4) Climate futures
- Annual Community and First Nations Science Forums
 - Communicate research findings
- School education program
 - Schools within and outside of region
 - Place-based learning aligned to the Centre's science program



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Locally based, Locally Led



The CLLMM Research Centre

Creating and Sharing Knowledge

Where our waters and our people meet

- Establishing local connections
 - First Nations
 - Community groups and individuals
 - Government agencies
 - Local Authorities
 - Research scientists
 - Industry and business representatives
- Developing relationships, managing expectations
- Understanding priority areas
- Making the time to talk



CLLMM Research Centre Team



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Further Information

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