

About the One Basin CRC

Growing value from water in
a changing world



Established in 2022, the One Basin Cooperative Research Centre (CRC) is an industry-led partnership that unites researchers, government, industry, and communities to build a more productive, resilient, and sustainable Murray–Darling Basin.

With a ten-year program and \$156 million in funding, our goal is to create science-based solutions that address the region's most pressing water, environmental, and agricultural challenges.

The Murray–Darling Basin is home to over 2.3 million people, including 40 First Nations communities, and supports \$22 billion in agricultural output and an \$11 billion tourism industry. However, the region faces significant challenges from climate change, water scarcity, and environmental degradation.

The One Basin CRC is committed to overcoming these challenges through collaboration, innovation, and research, together with all of our committed partners.

Vision

To ensure Australia's irrigation regions are the most productive, resilient, and sustainable in the world.

Purpose

We work together to grow value from water in a changing world.



Research

The One Basin CRC is dedicated to delivering industry-led research that addresses the Murray–Darling Basin's critical water and agricultural challenges.

Our research is designed in collaboration with industry partners to ensure it is practical and impactful.

Our research is arranged into four programs:



1. Foresight and decisions: Empowering stakeholders to make informed decisions in a changing world.



2. Technology and opportunity: Leveraging new technologies and infrastructure to build resilience in rural communities.



3. Adaptation and innovation: Training future leaders and supporting communities to adapt to new challenges.



4. First Nations research: Weaving First Nations-led science, economic empowerment, and engagement into our work.

Our research addresses four critical challenges:

Responding to climate change

Realising value from digital technologies

Enhancing water supply systems

Increasing value for rural industries and communities



Partnerships

Collaboration is at the heart of the One Basin CRC. We work with over 85 partners across the agriculture, water, environment, university, government and technology sectors.

Our industry-led approach ensures that our research is aligned with real-world needs, and our partners benefit from tailored, high-impact projects that drive innovation and productivity.

We welcome new partners from the education sector, community groups, government, and industry who share our vision and want to contribute to practical, research-driven solutions.



Regional focus

The One Basin CRC is committed to regional Australia.

We are locating 75% of our researchers in our four regional hubs, which are located in:

Goondiwindi (QLD)

Loxton (SA)

Griffith (NSW)

Mildura (VIC)

This place-based approach ensures that our research is relevant and applicable to the unique needs of each region, driving local growth and sustainability.

Our regional hubs will also host around 50 PhD students and researchers, fostering the next generation of scientific leaders while ensuring that they are deeply connected to the communities they serve.



First Nations engagement

The One Basin CRC is committed to building meaningful partnerships with First Nations peoples across the Murray–Darling Basin.

Our work is guided by three key principles:



Relationships: We prioritise building and maintaining meaningful relationships with Aboriginal communities throughout the basin.



Respect: We commit to understanding and appreciating Aboriginal culture, and to creating a welcoming and inclusive environment for First Nations peoples.



Opportunities: We strive to create sustainable opportunities for Aboriginal First Nations peoples within the CRC's research, training, and leadership programs.



Education and training

Education is key to achieving the One Basin CRC's vision.

We offer world-leading training programs to develop the future leaders who will tackle tomorrow's challenges.

Our education initiatives include:



Industry-linked research and training, including PhD programs and summer schools.



Regional hub-based professional development, providing hands-on training in our four regional hubs.



One Basin online learning: a platform for national and international training and knowledge sharing

Our training programs equip participants with the skills and networks they need to excel in water, agriculture, and environmental sectors, ensuring a highly capable workforce for the future.



We are always looking for new partners and participants. Whether you're an industry professional, academic, community leader, or student, there are many ways to collaborate with us and contribute to the future of the Murray–Darling Basin.

[Learn more](#)

To learn more about our research, partnership opportunities, or education and training programs, visit our website or contact us at: admin@onebasin.com.au



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