Partner prospectus for CRC Bid to be submitted in June 2020

ONE BASIN CRC

Connecting communities, industry and researchers to manage climate and water risks in the Murray-Darling Basin

onebasin.com.au

THE UNIVERSITY OF MELBOURNE

UNIVERSITY OF SOUTHERN QUEENSLAND

GOYDER INSTITUTE FOR WATER RESEARCH

Australian National University

Charles Sturt University

"The opportunities for the [agriculture] sector are enormous. We sit on the edge of the strongest growing region in the world, we have a developed agriculture sector with sound prospects for expansion, we have food safety and environmental credentials that are world-class, we develop and have access to up-to-date technology, we have a strong economy with a sound financial system and we have a well-educated and skilled workforce."

Commonwealth of Australia (2015) Agricultural Competitiveness White Paper: Stronger Farmers Stronger Community

"Controlling for non-climate factors, we find changes in climate since 2000 have reduced average annual broadacre farm profits by 22% ... Climate conditions during the post-2000 period have not only affected average farm profits, they have also contributed to increased risk in terms of more variable cash income and profitability, particularly for cropping farms"

ABARES (2019) The effects of drought and climate variability on Australian farms

"People living in Basin communities facing reduced water availability and drought are under immense pressure – some consider themselves and their communities to be in crisis and report that their physical and mental health and wellbeing are declining. We heard from many people whose confidence is low, resilience is poor, and anxiety is high".

Social and Economic Panel for the Independent Assessment of Social and Economic Conditions

"Climate change will have significant implications in the Basin, increasing pressure on the health of the Basin's environment, its communities and its economy. (...) sharing and delivery of the Basin water resources will become significantly more complex, and contested."

MDBA (2019) Climate change and the Murray–Darling Basin Plan

"The NFF recognises that climate change poses a significant challenge for Australian farmers."

National Farmers Federation (2016) Climate Policy

ACKNOWLEDGEMENT

We acknowledge and pay respect to the Traditional Owners of the lands upon which our campuses are situated. We also acknowledge and pay respect to the Traditional Owners, and their Nations, of the Murray-Darling Basin, who have deep cultural, social, environmental, spiritual and economic connection to their lands and waters. We pay respect to Elders – past, present and future.

ONE BASIN CRC

OUR PROPOSITION

Australia's agricultural sector is well positioned to take advantage of increasing global demands for high quality agricultural produce.

In particular we have the advantage of proximity to the Asian market. By realising this opportunity, Australia's agriculture sector aims to grow from $60b in 2019 to $100b by 2030.[1]

However, progress towards this target has been slow with low output in many regions through the 2002–09 and 2017–19 drought periods. Risks associated with climate stressors and complex water management challenges are major constraints to growth in a dry continent like Australia. These pressures are compounded by gaps in the skilled workforce required to adopt emerging technologies, declining investment in water research and the enormous stresses experienced by many rural communities, all of which are barriers to innovation. These pressures have been particularly acute on the Murray-Darling Basin, Australia's food bowl.

The ONE Basin CRC will accelerate growth in the agricultural sector over the next ten years by tackling these critical agriculture-water challenges. It will bring together leading industry, government and research organisations to deliver science-based solutions that contribute to growth and deliver benefits for rural communities and the environment.

1. NFF 2030 Roadmap

THE OPPORTUNITY FOR A ONE BASIN CRC

We have listened to organisations across the Basin about the possibility of the ONE Basin CRC. What we have heard has shaped this prospectus and it is clear there is an appetite for a ONE Basin CRC. The common messages regarding the opportunities of a CRC approach are:

Basin businesses, communities and government are looking for:

- resilient pathways to navigate a changing Basin
- opportunities to increase water availability and improve efficiency of water delivery and use
- understanding of Basin trajectories and for tools to support robust decisions in a changing Basin.

Across the Basin there is a widespread concern to:

- increase the professional workforce with the necessary skills
- reverse the decline in water R&D investment and ensure there is a trusted and constructive science-based perspective on Basin water challenges
- maintain a healthy Basin and to find innovative solutions for supporting regional development.

> Water management decisions should be informed by best available science and made transparently so the community can have confidence in the basis of those decisions. (...) it is not universally accepted that this is how decisions are made"
>
> **Northern Basin Commissioner First Year Report 2019**

> The success of agricultural businesses depends on the capacity of the sector to continue to innovate and adapt, using best practice to manage climatic risks and securing investment for the future. (...) The sector needs the skills, access to information and advice and incentives to make changes."
>
> **National Irrigators Council (2019) Climate Change Position Statement**

Water R&D funding is at its lowest levels since the 1980's

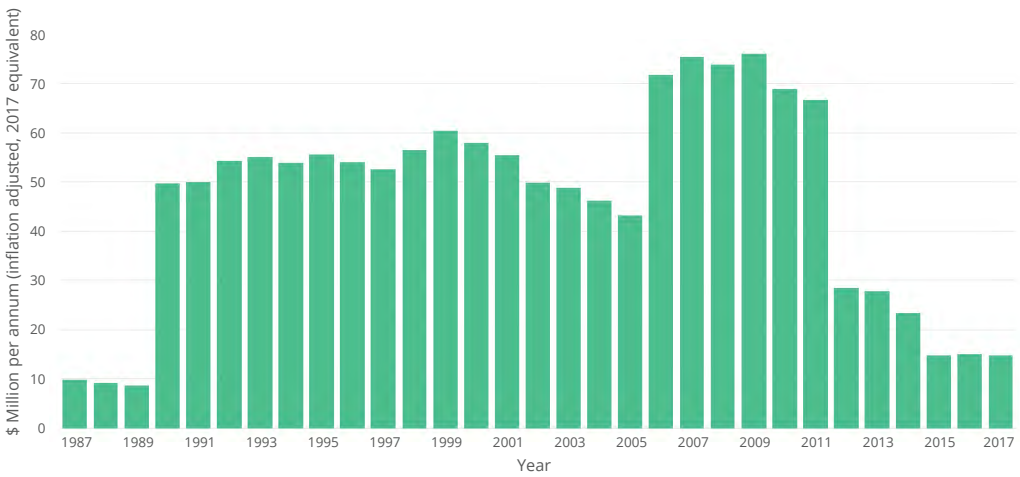


Figure1: Annual spend on non-core contestable and programmatic funding for water research in Australia, 1987–2017. Annual rate shown has been smoothed over duration of funding period. Spending shown is expressed in inflation adjusted terms using 2017 dollar values.

Source: *Personal Communication Rob Vertessy*

The ONE Basin CRC responds to these needs shared across many Basin stakeholders.

The ONE Basin CRC has five core objectives:

To ensure Basin farm business operators understand how best to access and manage water needed for growth under climate extremes

To provide agricultural adaption solutions that mitigate against climate and water variability – enabling more profitable business operations

To build capability in agri-sector management as a result of greater access to applied knowledge at local and regional levels

To work collaboratively with the MDBA, governments, businesses and industry to support change and build capability

To support a broad engagement across Basin communities to implement R&D and its outcomes for their future

The ONE Basin CRC will provide tangible and evidence based-solutions, delivered by credible advisers, to support people on farms and in value chains to adapt and mitigate against variable climate and changing water availability. Solutions will inform policy, drive sustainable regional investment and growth in agricultural exports and increase economic and environmental sustainability.

The CRC's R&D outputs will be applicable across Australia. However, the ONE Basin CRC will focus its research on the Murray-Darling Basin which is 40% of Australia's agricultural production and at the front-line of dealing with these water and climate risks.

The ONE Basin Approach includes:

The whole Basin with a particular focus in five regional hubs that deal with distinct challenges experienced in different parts of the Basin;

Irrigated and dryland agriculture, particularly because transitions in land use are important;

Government, industry and community because all have a part to play in maintaining a resilient, productive and sustainable Basin;

A focus on indigenous communities which have a long cultural connection to the Basin's land, water and environment, and

Water for the environment as an integral part of a sustainable Basin, and also for towns.

The ONE Basin CRC will be a world-leading initiative in dealing with the emerging challenge of adapting agriculture to a changing climate. This will provide a production line of new research outputs that can be translated worldwide, sustaining Australia's reputation as a leader in water and agricultural research.

RESEARCH PROGRAMS

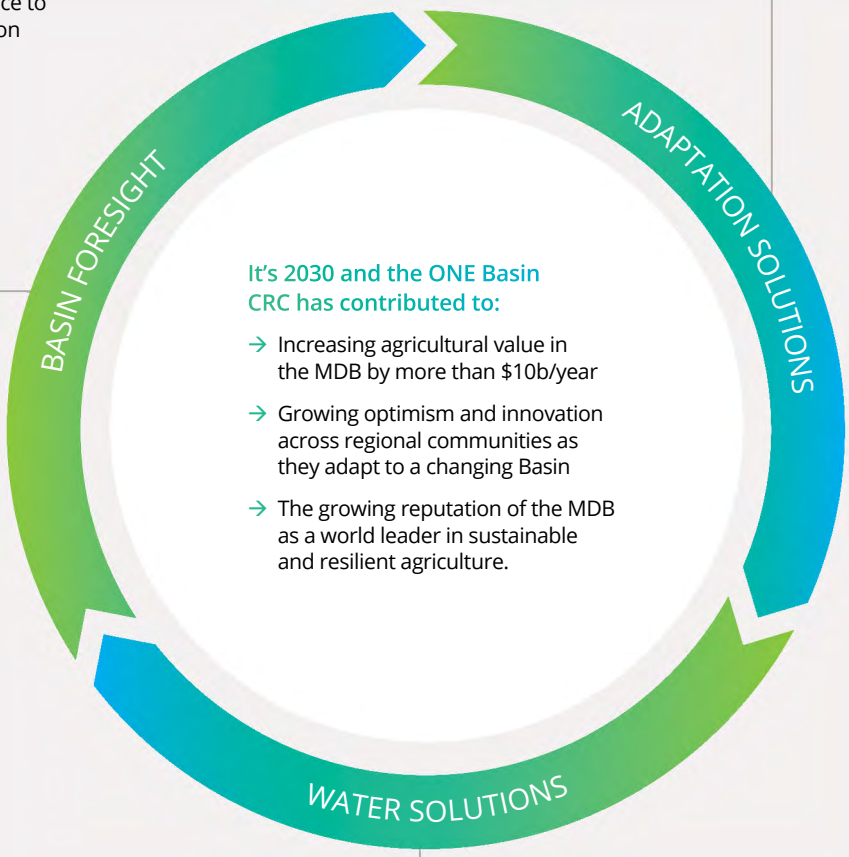
The ONE Basin CRC will have three interlinked programs to tackle major Agriculture-Water challenges.

It's 2030 and as a result of the Basin Foresight Program:

- Agribusinesses are more resilient because they regularly access information and advisory services to consider water and climate risks in their decisions
- Government water and infrastructure plans anticipate extreme climate and water scenarios and signposts are in place to take corrective action when needed
- Basin communities are recognising social and economic benefits from a decade of targeted river health improvements.

It's 2030 and as a result of the Adaptation Solutions Program:

- Agriculture businesses are more responsive to climate, weather and water information, adopting improved agricultural and land management approaches
- Lead regional agencies are delivering a coordinated strategy for growing the resilience of their region
- Investment in agriculture has increased as more robust and consistent methods for risk assessment and management are being adopted across the sector.



It's 2030 and the ONE Basin CRC has contributed to:

- Increasing agricultural value in the MDB by more than $10b/year
- Growing optimism and innovation across regional communities as they adapt to a changing Basin
- The growing reputation of the MDB as a world leader in sustainable and resilient agriculture.

It's 2030 and as a result of the Water Solutions Program:

- New secure sources of water are being developed across the Basin
- Irrigation water supply services have continued to improve, as delivery constraints are managed through use of infrastructure, administrative measures and control systems
- Irrigation businesses are more profitable and resilient as new technologies are successfully deployed to improve on-farm water use efficiencies.

Basin Foresight Program

The **Basin Foresight Program** will improve our understanding of Basin trajectories and support robust decisions by agribusiness and governments to manage climate, water and other risks.

Program Outputs

- Capability to project Basin trajectories at decadal time-scales
- Standard water and climate risk information services for the agriculture sector
- Tools for analysing climate, water and other risks in farm-business decisions, regional development planning and government water, infrastructure and land use planning
- Case study applications of these tools with a range of stakeholders

Industry Challenge

Agribusiness, regional communities and government policy makers face a common need to make decisions in the context of a changing Basin. This is particularly challenging because of the wide range of decisions available to them. For example, farmers can take decisions related to land and water ownership, a mix of farm enterprises, farming systems and on-farm technologies. Water planners also face a range of options to adapt water supply systems under a changing climate and in the face of shifting patterns of water demand, including policy responses and major investments in water infrastructure. One thing we do know with complete certainty is that the future of the Basin will not be the same as the past.

The tools required to test these decisions against future scenarios do not currently exist. Water planners have access to regional water resource models, but these generally assume the behaviour of the Basin remains largely unchanged and they rely on a limited range of future climate scenarios. In addition to these limitations, these models are not intended to inform farm-scale decisions.

This program will build new capability to stress test options under future scenarios. This will enable water planning agencies and farming communities to identify incremental, transitional and transformational changes required to successfully adapt with unfolding and unpredictable changes in climate, economics, societal values and technology. The Basin Foresight Program will give us the capability to take informed decisions in the face of an uncertain future.

Research Projects

Vulnerability Analysis
At present it is not possible to systematically understand and test the vulnerability of the Basin, regions or individual agribusinesses to the plausible range of possible water and climate futures. The Basin Foresight Program will develop the capability to identify business decisions, regional plans and government policy settings that are robust in the face of an uncertain Basin future. This requires new analytical tools that consider a broad range of possible future climate sequences and other drivers of outcomes including agricultural commodity prices. This vulnerability analysis will “stress test” strategies under plausible futures to test for vulnerabilities.

Modelling a Changing Basin
Many important aspects of the Basin are changing, particularly the patterns of water supply and demand with consequences for water price and delivery. Anticipating these changes is central to the Basin Foresight R&D challenge. Current models are based on what has happened in the past. We know the future is going to be different and so we need new tools to inform communities, industry and government decisions. New modelling capability is also needed to represent environmental, social and economic outcomes of decisions, including impacts on the ecosystem services that are central to the Basin Plan reform. This Program will align and partner with the current and previous research, modelling and data collection efforts (for example, by State Governments, eWater, the Cotton Catchments CRC, BoM, ABARES and MDBA).

Application Projects
A strong participatory approach will be required for a successful outcome in this program. The Basin Foresight Program will use case-study problems to maximize relevance of the R&D activity. Of particular interest in these case studies is how decision-making processes by diverse stakeholders can be informed by improved understanding of water and climate risks. The industry partners and researchers will collaborate closely to address real problems, leading to action. Industry partners will be co-researchers and lead players in these case study projects. Researchers, farmers and government will combine their skills and knowledge to seek innovative approaches to be tested for practical application.

Adaptation Solutions Program

The **Adaptation Solutions Program** will co-design services and strategies to support farm, community and government adaptation across the Basin with changing market pressures, water availability and technologies

Program Outputs

- Institutions and practices for co-innovation in research and adaptation built through the Basin Hubs
- Coordinated management of data for digital agriculture to enable adaptive farm business decision-making
- Bio-economic production models for trading in ecosystem services, including carbon farming
- Evaluations of more diverse and novel farming systems and agricultural products
- Farm-level water management models and case studies for optimising water applications and trading
- New risk management tools and strategies for agriculture, such as insurance products and financial offsets
- New forms of engagement in Basin governance, that draw on international experiences and local trials, to accommodate a range of values and interests, especially those of First Nations people
- A cooperative extension model that enables a concentration of resources around adaptation issues

Industry Challenge

Agribusinesses, rural communities and policy makers in the MDB, often experience significant barriers to adaptation due to the extent and complexity of pressures for change, uncertainty about information and especially projections, social and cultural constraints and conflict over Basin resources and governance. While there is general research and extension to support adaptations in farming systems and community development, this tends to be limited and incremental in scope, often based on short-term projects, particular commodities or local production systems and rarely are there cross-industry considerations, and psychological and social factors appropriately considered.

This program will enable: farmers to build more resilient, sustainable and profitable businesses and contribute to enhanced resource conditions; non-farm agricultural businesses to better manage flows of farm inputs and production outputs; and agricultural financiers to invest in Basin assets and enterprises with confidence. It will enable those engaged with community development to optimise local investment and social capital and those engaged in Basin governance to create robust and innovative institutions and engagement processes that minimise conflict and increase values representation in outcomes.

Research Program

New generation farming (NGF) systems
This project area will support innovation in soil-plant systems and practices that deliver both on-farm and off-farm economic, social and environmental benefits. Focus areas will include optimising crop and livestock combinations, novel crops, pastures and livestock production, water management, the provision of environmental services and understanding and mitigating barriers to adoption of NGF systems and practices.

Risk management for agriculture
This project area addresses major production and business risks, particularly focussing on climate variability in relation to production, extreme weather events and water availability. Focus areas will include the equity of, and strategies for, risk transfer and sharing, insurance products, risk management education and policies and programs to support the implementation of risk management.

Adaptation strategies for Basin communities
Work in this project area will support the development of the economies and social capital of communities that are highly dependent on the Murray-Darling systems. This will involve understanding and strategies for addressing barriers to, change at the community level and understanding how changes in farming systems and water availability will affect regional communities. The aims are to boost rural business resilience and develop innovation ecosystems within communities that can develop independently of research and facilitation programs.

Adaptation of Basin Engagement
This project area will involve the development and testing of arrangements to facilitate engagement and consultation that will enable policy innovation and implementation, increase inclusion in decision-making and reduce conflict over resources use and allocations. This program will be especially informed by international experience and practice.

Engagement and extension for adaptation
This project area will involve the review, design, testing and implementation of extension systems and strategies that overcome barriers to beneficial changes for farming, business and Basin management systems. The aim is to increase coordination of, and collaboration amongst current extension systems and then identify ways to build capacity on and around those. This program will also draw on international models of extension for adaptation.

Water Solutions Program

The **Water Solutions Program** will develop infrastructure and technology solutions that provide new sources of water and improve efficiency of water delivery and use.

Program Outputs

- Mapping tool to identify future alternative water sources and innovative storage options
- Innovative approaches for overcoming current barriers to the use of alternative water sources
- Coupled water treatment and energy technologies for matching treatment options of different water sources of marginal quality with specific uses
- Sensing, forecasting and other technologies for deployable, next-generation, energy-efficient farm watering systems
- Tools for identifying the optimal mix of water sources and delivery arrangements for producing climate-resilient water supply systems at community, regional and Basin scales
- Capacity building in technologies and innovative approaches for overcoming barriers to limited availability of good-quality water

Industry Challenge

The availability of good-quality water in sufficient volumes underpins sustainable, liveable and productive regional communities and industries. In the Murray-Darling Basin, demand for good-quality water is outstripping supply. Our changing climate is accentuating the naturally high variability of the Basin and increasing the frequency, duration and severity of dry spells and droughts.

We need to be innovative to increase the 'pool' of available and affordable water source options. The rapid transformation of Australia's energy sector provides an opportunity to do this. Using new treatment, pumping and energy technology, Basin industries will be able to harness waters that were once considered unusable within the Basin, as well as apply new approaches to storing and transporting water.

The Basin's irrigators and water supply authorities have made great improvements in water use efficiency, but there are significant opportunities for further gains with emerging sensing, forecasting and control technologies and by addressing constraints in the water supply system. Research is required to support strategic investments into water infrastructure and technology on farms and within the delivery system.

Research Program

New water resource options
This project will focus on identifying, quantifying, preparing, storing and transporting alternative sources, such as fresh, deep and saline groundwater, drainage water, wastewater and water from mining operations. It will also consider non-traditional approaches to storage and transport. This will enable anyone within the Basin to identify their alternative water source and storage requirements for planning and development.

Overcoming constraints to the use of alternative water supplies
The largest impediments to the use of alternative water sources for industry, agriculture and drinking are the costs and social concerns regarding safety. This is particularly the case for recycled wastewater and mining discharges. This project will identify the full suite of costs and benefits of these alternative sources, identity opportunities to reduce these costs and increase the confidence in their suitability for different uses.

Targeted treatment of marginal water
Whilst there are significant alternative water sources in the Basin, water quality is often marginal. Different users require different levels of treatment, for example, based on different crop requirements, soil types and climate. Working closely with the Adaptation Solutions Program, this project will develop new coupled water treatment-energy systems to allow water suppliers and users to design targeted treatment systems for particular uses and geographical settings.

Irrigation 4.0
Increased farm water-use efficiency can be achieved through targeted application of water to meet crop needs, coupled with alternative water sources. Working closely with the Adaptations Solution Program, this project will develop next generation farm watering systems to allow farms to transition to watering automation. This will be based on real-time crop water and soil deficit sensing, with targeted applications of water based on short-term weather forecasting and within block variability.

Regional planning for alternative water supplies
With increasing costs of traditional water supplies and the development of new treatment and energy technologies, the implementation of alternative water supply networks will be viable in the future. An integrated approach to water source planning will provide regional climate-resilient water supply systems. Drawing on the analytical capabilities developed in the Basin Foresight Program, this project will develop tools that allow regional planners to design climate-resilient water supply networks specific to their region's needs.

Basin scale optimisation of water supply
Meeting future water demands with secure, reliable, affordable water supplies efficiently and effectively will require an in-depth understanding of how to optimise the mix of existing and new sources, storage and delivery options at the Basin scale. Drawing on the analytical capabilities developed in the Basin Foresight Program, this project will allow for the integration of existing and new alternative water sources, storages and delivery options in the Basin into long term planning for the Basin.

REGIONAL HUBS

A Place-Based Research Agenda

Many of the challenges being tackled by the CRC are centred in regional areas, so the CRC will focus much of its efforts in the five regional hubs. The regional hubs will provide an "efficiency of scale" supporting a concentration of facilities, partnerships, and research effort to maximise progress with these challenges. The regional hubs will build on existing research capabilities of the research partners and other agencies in the regions. As well as being a site for research, the hubs will be used for testing and demonstrating applications of research outcomes.

The CRC will have a strong focus on participatory research – providing a platform to direct research efforts to the needs of the regions and to facilitate the uptake of the research by regional businesses and communities. To support this, the Regional Hubs will have a critical role in shepherding effective and sustained research-industry collaborations. The industry partners including businesses, governments, researchers and the community will collaborate closely to address real problems, leading to action. Industry partners will be co-researchers and lead players in these case study projects. Researchers, industry, community and government will combine their skills and knowledge to seek innovative approaches to be tested for practical application.

Communications and Engagement

The CRC will maintain an active cross-cutting program of R&D communications and engagement including newsletters, seminars, technical reports and participation in industry events to facilitate the CRC's research outcomes being used industry.

The CRC acknowledges the significant challenge of engaging with the many businesses and agencies that have a role to play in the Basin's future and may benefit from engaging in the work of the CRC. Our strategy to overcome this challenge has several elements:

The Regional Hubs will establish a network of individuals and organisations through which it will engage in a two-way dialogue through casual and formal activities such as seminars and field days.

The CRC will hold an annual conference at one of the five regional Hubs which will be open to all CRC Partners.

The CRC will establish partnerships with peak organisations that have a role in knowledge brokering for a group of Basin stakeholders like the Murray-Darling Association which is a peak organisation for local government in the Basin.

CRC staff will network and present at industry events across the Basin.

The CRC will also be available to provide scientific review of policy options with the possibility of providing constructive evidence-based perspectives.

The CRC will be located in regions across the Basin, contributing to communities as a local resource. It seeks to help communities answer the questions they are asking, and will respond to regional priorities.

Education and Training

There is a strong interest from prospective partners for the CRC to support educational outcomes related to its R&D agenda. The ONE Basin CRC aims to train the current and future generation of water managers, farmers, agronomists, policy makers and researchers, to be highly effective in managing the risks in a changing Basin. It will provide the opportunity for the sector to radically improve the capacity to use information and technology to inform future decision-making.

This program will include the development of professional training programs in areas required to support adoption of the CRC's outcomes including agricultural technology, water modelling and considerations of climate change and other risks in agribusiness.

The CRC will also include a cohort of industry-focused post-graduate researchers with a program to support researchers to develop skills for engaging with industry, policy agencies and the broader community through the media.

WHY PARTNER WITH THE CRC?

Innovative organisations consistently outperform their non-innovative competitors. The One Basin CRC will provide the avenue for Basin industries to identify and adopt innovative solutions.

Agricultural producers (both SME and corporate)

- Work with leading researchers on your water and climate challenges
- Be ahead of the curve in innovation by working closely with the CRC R&D projects relevant to your industry
- Engage with a Basin-wide network of leading industry and research organisations to influence the future of your industry
- Provide professional development opportunities for your key staff through engaging in leading edge thinking about your industry and to develop industry networks by participating in CRC projects and events

Agricultural service sector: agricultural advisors, rural finance and insurance providers, water utilities and suppliers, agricultural technology companies

- Be part of R&D projects to shape new services and products
- Leverage your R&D investment in a CRC
- Provide new services and products to your customers based on the latest R&D
- Build your brand by association with the ONE Basin CRC
- Access networking
- Provide professional development opportunities for your key staff through engaging in leading edge thinking about your industry and to develop industry networks by participating in CRC projects and events

Rural R&D corporations

- Invest in R&D that is aligned with your R&D priorities
- Collaborate with other rural R&D to invest in cross-sectoral R&D challenge
- Access the leading R&D capability in this field
- Invest in an organisation that has a disciplined research governance and management capability

Peak organisations

- Receive CRC support for the knowledge and training needs of your members
- Represent the interests of your members in the activities of the CRC
- Access networking

Agribusiness across the supply chain

- Work with leading researchers on your water and climate challenges in an R&D project
- Support the sustainability of producers that your business relies on

Local government, indigenous groups and regional development organisations

- Benefit from R&D support for regional development planning with a focus on adaptation to risks associated with climate and water
- Support R&D which will strengthen the resilience of your region
- Invest in R&D that provide water infrastructure solutions for your region
- Support an initiative which has a focus on building workforce skills in your region
- Support a Regional Hub which will provide high-skilled job opportunities in your region
- Access advice from the leading researchers on agricultural-water issues
- Support participation of regional indigenous groups in water -agriculture R&D

Regional NRM, State and Commonwealth Government Agencies

- Invest in R&D that addresses strategic needs for your organisation
- Co-develop authoritative R&D, working with key stakeholders in other jurisdictions or sectors to build shared understanding of issues and opportunities
- Leverage your R&D investment five-fold in a CRC
- Support training of the next generation of leading water and agricultural policy and management specialists
- Participate in projects or events that provide alternate pathways to interact with key stakeholders for your agency

WHAT IS A CRC?

The Australian Government's CRC program is a proven model that supports industry-led collaborations between industry, business, researchers, government and the community within Australia and internationally to develop new technologies, products and services. Since its inception in 1990, the program has committed $4.6 billion in funding to support the establishment of 297 collaborations.

The scheme provides grants of approximately $45 million to each successful collaboration that is committed to addressing medium to long term industry challenges aligned to at least one of the Federal Government's Growth Centres. Partner cash and in-kind contributions add to the value of the CRC, and are typically three to four times the value of Commonwealth funding. CRCs, which can receive grant funding for up to ten years, are independent entities, established and governed as incorporated companies limited by guarantee.

CRCs offer SMEs and multinationals a unique and attractive proposition. These partners can access the best research teams in Australia via a single entity – the CRC - for R&D that delivers solutions on major industry challenges and supplement the R&D costs with grant funds awarded by the Commonwealth and research provider contributions.

GOVERNANCE AND TERMS

A draft Term Sheet that articulates the governance and management of the proposed ONE Basin CRC has been developed in consultation with lead partners. This document is available upon request.

The ONE Basin CRC will be governed by a seven member skills-based board, supported by four board subcommittees; Finance, Audit and Risk, Remuneration and Nominations and Research, Commercialisation and Translation. The CRC will be established as a not-for-profit company, limited by guarantee with a ten-year funding period.

The research agenda will be led by the needs of industry, business, government and community partners in the CRC. The Research, Commercialisation and Translation Committee will review and prioritise research proposals developed by CRC partners and provide prioritised projects to the Board for final approval.

Approvals for funding will be based on agreed criteria to be established upon the incorporation of the CRC and may include alignment to the goals of the CRC, industry need, extent of collaboration, scientific basis and budget. Research projects will include foundation projects developed during the bid process, commissioned projects developed by partners during the CRC's lifetime and appropriate (open) calls as nominated by the CRC board.

The CRC will have projects of various lengths, a significant portion of which will be three years or less, thus ensuring timely impact and addressing defined problems. Others will be over the life of the CRC. This portfolio will be designed to balance the need for readily adoptable industry solutions whilst recognising the need for continuous monitoring of Basin data for better predictability.

The CRC will seek to secure the maximum benefit for the Australian economy from Project IP. For public good projects, Centre IP ownership is proposed (subject to negotiation). For commercial projects, Project IP ownership and commercialisation rights will be negotiated on a project by project basis. Background IP will be remain the property of the original owner and access rights to Background and Project IP will be clarified in Project Agreements at their outset. It is also proposed that a legacy process will be developed during the course of the CRC.

The ONE Basin CRC has two partner categories: research and non-research. Non-research partners include business, industry, government and community organisations. The table below details partner tiers, determined by the size of cash contributions.

Governance and Terms cont.

PARTNER	CONTRIBUTIONS	MEMBER OF THE CRC COMPANY	VOTING AND NOMINATION RIGHTS FOR DIRECTORS
Tier 1 **Non-Research Partner**	Minimum $300k p.a cash Approx. $600k p.a. in-kind	✓	Can nominate up to two board member candidates (at least one independent) Ability to vote
Tier 2 **Non- Research Partner**	Minimum $150k p.a cash Approx. $300k p.a. in-kind	✓	Can nominate up to one independent board member candidate Ability to vote
Tier 3 **Non- Research Partner**	Cash and in-kind as appropriate	⊘	Not applicable

In addition to the sub-committee of the board, each Regional Hub will have its own Regional Advisory Committee to represent the interests of the non-research partners in the region. The membership of these committees will be developed in consultation with Hub partners during bid development. This committee will advise the Research, Commercialisation and Translation Committee on project priorities for the region and oversee annual reviews of Regional Hub Projects.

Opportunity to provide a gift to support the CRC's people and projects

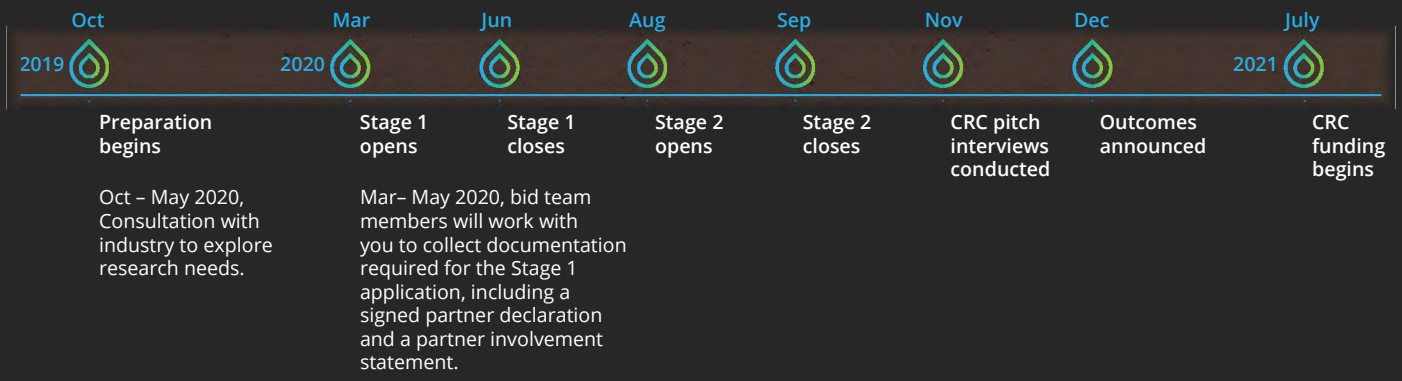
For those interested in supporting the CRC but not interested in being a partner, there is an opportunity to provide support in the form of a gift. There are a number of specific projects which are less likely to be funded through commercial partnerships. These are areas where philanthropic support could leverage off the CRC's R&D program to deliver high impact benefits. Contact the CRC team for more information about these opportunities.

NEXT STEPS

ONE Basin CRC will enter its bid into the 2020 Round 22 Federal Government call for CRC submissions. Governance and management of the bid process has been established and these details can be provided upon request. By participating in the ONE Basin CRC bid process and subsequent formation, organisations will be able to provide input into the research areas and sector needs, so they are aligned with resolving defined problems and creating opportunities.

Partners can join the ONE Basin CRC bid at any time during the bid phase. However, we actively encourage Australian (business, industry, government and community) partners and international organisations to participate early in the bid phase to influence and drive the bid strategy and content; and to optimise the opportunity to leverage partner contributions with requested grant funding.

Once funding has been announced, the CRC will be established with agreed CRC best practice governance structures (appoint Chair, Board and CEO) as described in the Term Sheet. Defined programs and projects of work will commence shortly after agreement finalisation.



ONE BASIN CRC

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