

One Basin's quickstart projects

The **One Basin CRC** is kicking off its work with 9 initial projects.
To learn more, visit onebasin.com.au or email admin@onebasin.com.au



Project	Partners	Regional hub	Project leader	Program
Irrigation demand forecasting for multi-scale multi-objective system storage control optimisation	<ul style="list-style-type: none"> • Australian National University • University of Melbourne • Murrumbidgee Irrigation • Coleambally Irrigation 	Griffith	Joseph Guillaume, Australian National University	Technology and Opportunity
Organic waste conversion: Novel biological products to increase agricultural production and reduce environmental impacts	<ul style="list-style-type: none"> • Western Murray Land Improvement Group 	Goondiwindi	Roger Knight, Western Murray Land Improvement Group	Adaptation and Innovation
Shifting availability: the implications of climate change	<ul style="list-style-type: none"> • University of Melbourne • Murray–Darling Basin Authority 	Mildura	Avril Horne, University of Melbourne	Foresight and Decisions
Water infrastructure critical component anomaly detection and health prediction prototype	<ul style="list-style-type: none"> • Australian National University • University of Melbourne • Murrumbidgee Irrigation • Coleambally Irrigation • Rubicon Water 	Griffith	Joseph Guillaume, Australian National University	Technology and Opportunity
Opportunities and risks associated with identifying, sourcing and treating brackish groundwater	<ul style="list-style-type: none"> • University of Adelaide • Osmoflo • Flinders University • South Australian Research and Development Institute 	Loxton	Michael Leonard, University of Adelaide	Foresight and Decisions
Predicting the impact of climate change on irrigation demand across the One Basin	<ul style="list-style-type: none"> • South Australian Research and Development Institute, Department of Primary Industries and Regions • Charles Sturt University 	Loxton	Paul Petrie, South Australian Research and Development Institute, Department of Primary Industries and Regions	Foresight and Decisions
Equity and vulnerability in a drying basin: water sharing policy and quality of life in towns	<ul style="list-style-type: none"> • Alluvium 	Goondiwindi	Vicki Martin, Alluvium	Adaptation and Innovation
Citizen science: integrating community groups into basin-scale fish tagging and recovery programs	<ul style="list-style-type: none"> • Charles Sturt University • OzFish 	Griffith	Lee Baumgartner, Katherine Doyle, Charles Sturt University	Adaptation and Innovation
Building capacity to adapt to a more variable water future	<ul style="list-style-type: none"> • University of Melbourne • North East CMA • Goulburn Broken CMA • Australian National University 	Griffith	Avril Horne, University of Melbourne	Foresight and Decisions



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