

**CRDC**COTTON RESEARCH AND  
DEVELOPMENT CORPORATION

## Expression of Interest EOI 2022-23

### Part 1 - General Details

<b>EOI ID</b>	<b>2223EOI0336</b>		
<b>EOI Title:</b> (max 80 char)	<b>Demonstrating and integrating irrigation technology for cotton</b>		
<b>Type of Research</b>	Knowledge transfer/application		
<b>Proposed Start Date:</b>	1/07/2022	<b>Proposed End Date:</b>	30/06/2025
<i>Please refer to CRDC's Strategic R&amp;D Plan 2018-2023 for the following:</i>			
<b>CRDC Goal</b>	4. Strengthening partnerships and adoption (ES1)		
<b>CRDC Key Focus Area</b>	4.3 Innovation and commercialisation		
<b>CRDC Outcome</b>	4.3.1 Improved R&D innovation and commercialisation		
<b>CRDC Performance Indicator</b>	Positive input/output ratios resulting from adoption of new practices		
<b>Rural RD&amp;E Priorities</b>	Adoption of R&D		
<b>Science and Research Priorities</b>	Soil and water		
<b>R&amp;D Manager</b>	Elsie Hudson	<b>FRP Due Date</b>	13/10/2021

### Part 2 –Expression of Interest Requirements

<b>Issue to be addressed and project description:</b> With a number of technologies now available to support sensors, irrigation scheduling decisions and automation there is increasing complexity in systems integration. This investment will enable on farm technical demonstration of irrigation technology and best practice. This provides an opportunity for new technologies to be independently assessed as well as enable extension/adoption activities to support growers to understand how water use efficiency research and technology can be applied to their systems. Integration of irrigation technologies has been identified as a barrier for adoption of irrigation ag tech and in addition to demonstrating individual technologies this project will develop understanding about potential integration of different technologies.				
<b>Expected project outputs and outcomes:</b> 1. Demonstration sites showcasing and understanding agricultural technologies pertaining to irrigation. 2. Improved adoption and understanding of ag tech.				
<b>Project Investment:</b>				
<b>Year</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>	<b>TOTAL</b>
Indicative budget (up to)	\$200,000	\$200,000	\$200,000	\$600,000

### **Part 3 – Selection Criteria**

The following selection criteria will be used by the CRDC to assess the full research proposals (FRPs) received for each Expression of Interest.

**1. The rationale of the project, how it will support CRDC’s Strategic Plan and the potential impacts for the Australian cotton industry and the Australian community.**

This criterion will be assessed on the soundness of the proposal’s understanding of the issues, and the extent to which the project outcomes will address the issues and support CRDC to achieve its measures of success.

**2. Project methodology.**

This criterion will be assessed on the soundness and clarity of the proposed R&D methods to achieve project deliverables and outcomes.

**3. The skills and capacity of the research team to undertake the project.**

This criterion will be assessed on the track record, technical knowledge and experience of all key personnel in the research area and the demonstrated capacity of the nominated researcher/s to provide project coordination, management, monitoring and evaluation for the timely delivery of high-quality outputs.

**4. The proposed ‘Pathway to Impact’.**

This criterion will be assessed on the appropriateness of the proposed ‘Pathway to Impact’ and the demonstrated capacity of the project personnel to effectively translate research/project outcomes to on ground actions. Please include the target audience and process for extension/ communication/ commercialisation (as appropriate), as well as any collaboration partners and potential risks. Note that successful FRPs may be requested to develop specific milestones for delivery of project outcomes in collaboration with CottonInfo or CRDC Commercialisation Manager at the outset of the project.

**5. Proposed collaborations for the project and / or the collaborative networks of the project team.**

This criterion will be assessed on the demonstrated ability of the project personnel to form productive networks to build on national and international research already undertaken in related areas.

**6. How this project is cost effective for the Australian cotton industry, including details of the resources being brought to the project.**

(This criterion will be assessed on the cost effectiveness of this project including cash and in-kind commitments from the applicants and leverage through domestic or international linkages. Budget including descriptive text will also be assessed as part of this criterion. Max 2,000 character limit including spaces)

For information on how to apply, please refer to: [www.crdc.com.au/for-researchers](http://www.crdc.com.au/for-researchers)

This EOI is not a guarantee of funding.