



Leading an integrated, coordinated and evidence-based approach to improving the competitiveness, productivity and sustainability of the northern Australian economy and the wellbeing of its communities

As Australia's largest CRC, the Cooperative Research Centre for Developing Northern Australia (CRCNA) has secured \$75 million over ten years to fund research collaborations in the areas of:

- Agriculture and food (including aquaculture)
- Northern health service delivery
- Traditional Owner-led business development

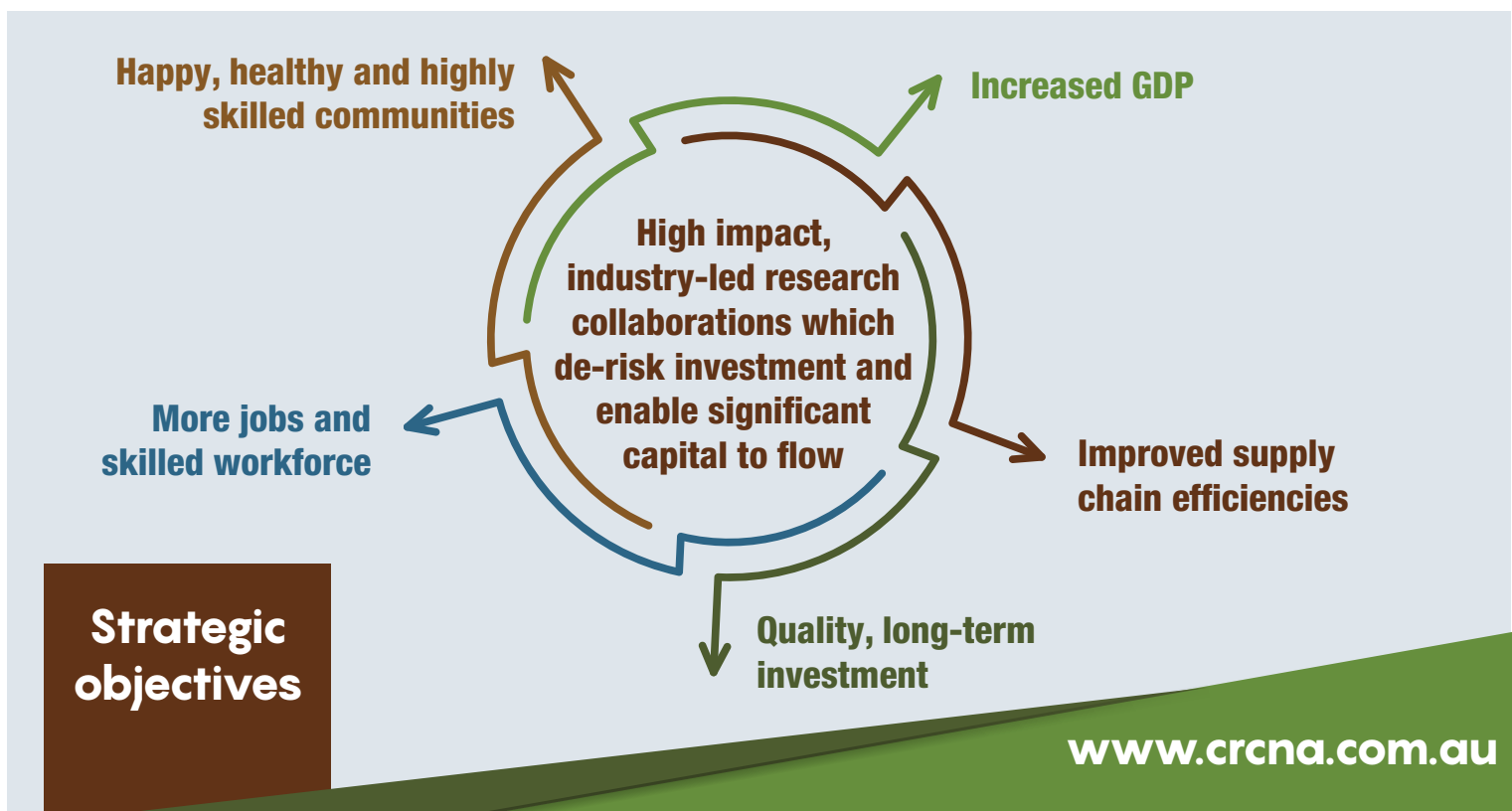
We are experienced knowledge brokers, communicators and project managers who work collaboratively with industry, government, research organisations and institutions, regional development organisations, Non-Government Organisations, Small and Medium Enterprises and international partners to resolve barriers to investment and development across northern Australia.

Projects funded by the CRCNA must demonstrate strong linkages to industry, either by securing cash or in-kind contributions. Having the support of industry associations and organisations shows the research is supported by the people and organisations who will benefit from the outcomes, and may encourage broader adoption of the recommendations and outcomes.

Some of the expected benefits from our current projects include:

- increased employment and training opportunities, especially in Indigenous communities
- increased profit margins and productivity gains in the northern agricultural and food sectors
- increased market access into Asia for products grown in the north
- a more robust and targeted approach to identifying quality investors and future market opportunities
- improved health service delivery to rural and remote communities in northern Australia

Our collaborative model means we are uniquely positioned to work with and across all levels of industry, government and business to make meaningful, evidence-based contributions to broader policy and planning initiatives. This work is undertaken in collaboration with the Northern Australian Senior Officer Networking Group (NASONG) with recommendations and outcomes expected to support the Northern Development Ministerial Forum and inform future planning and R & D investment priorities.



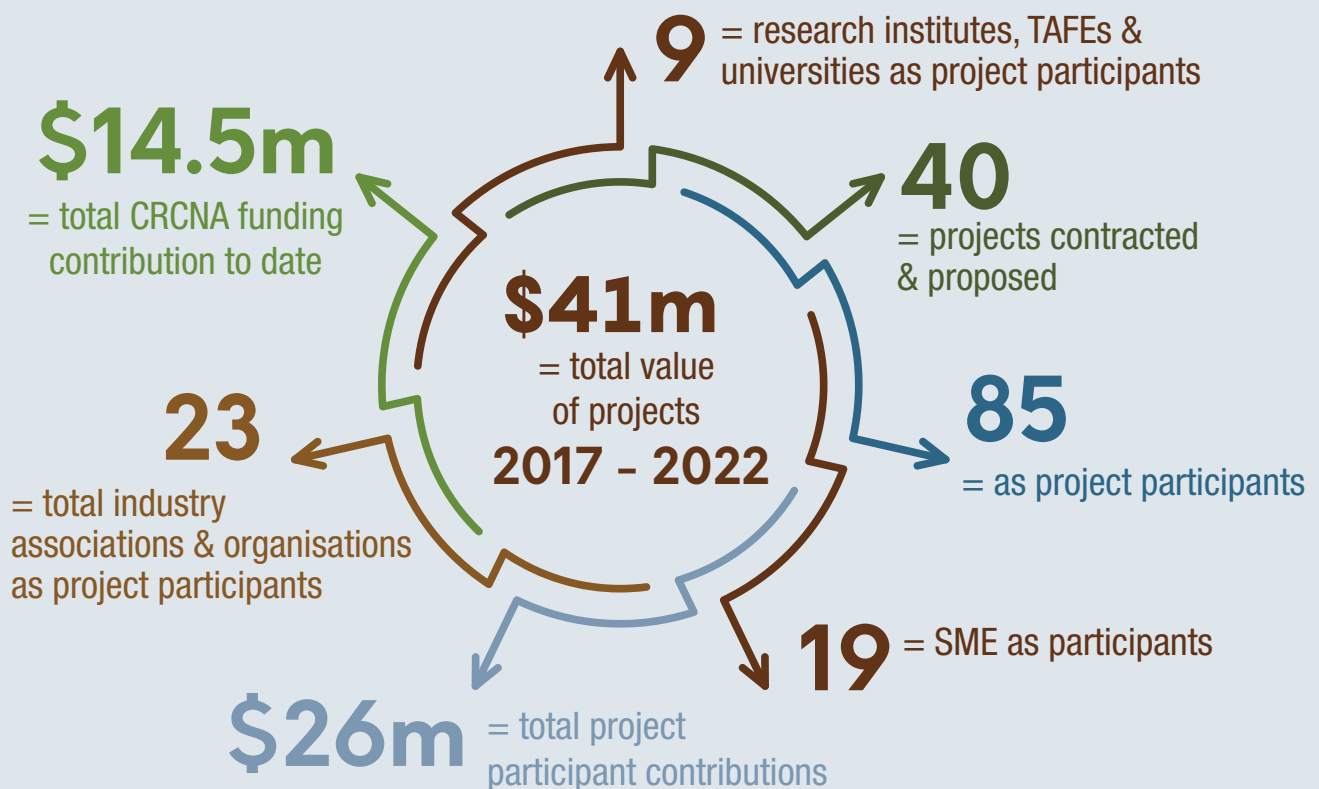
Partnering with industry to resolve barriers to investment

The CRCNA brokers cutting-edge knowledge and delivers industry-led collaborations to achieve the following objectives:

1. **De-risk the northern Australian investment landscape** - broker strategic discussions with relevant decision-making and stakeholders and guide a coordinated approach which informs development planning and investment decision making across jurisdictions.
2. **Deliver a coordinated approach to industry sector development** - support strategic information and knowledge building which helps frame and enhance understanding of the critical challenges and opportunities facing the north's key agricultural and health service delivery, infrastructure and regional development sectors.
3. **Inform appropriate supply chain development and infrastructure planning across northern Australia** - deliver an evidence-base which helps prioritise supply chains and infrastructure investment to provide timely access to high-value international and domestic markets.
4. **Deliver research, development and extension solutions with impact** - leverage grass-roots level RD&E effort, capacity and knowledge of northern Australia to ensure solutions are implemented in a meaningful way and to the benefit of all Australians.
5. **Build the strategic research capacity and develop the workforce skills of northern Australians** - in the fields of agriculture, aquaculture, food, health service delivery and Traditional owner-led business development.

Investment profile

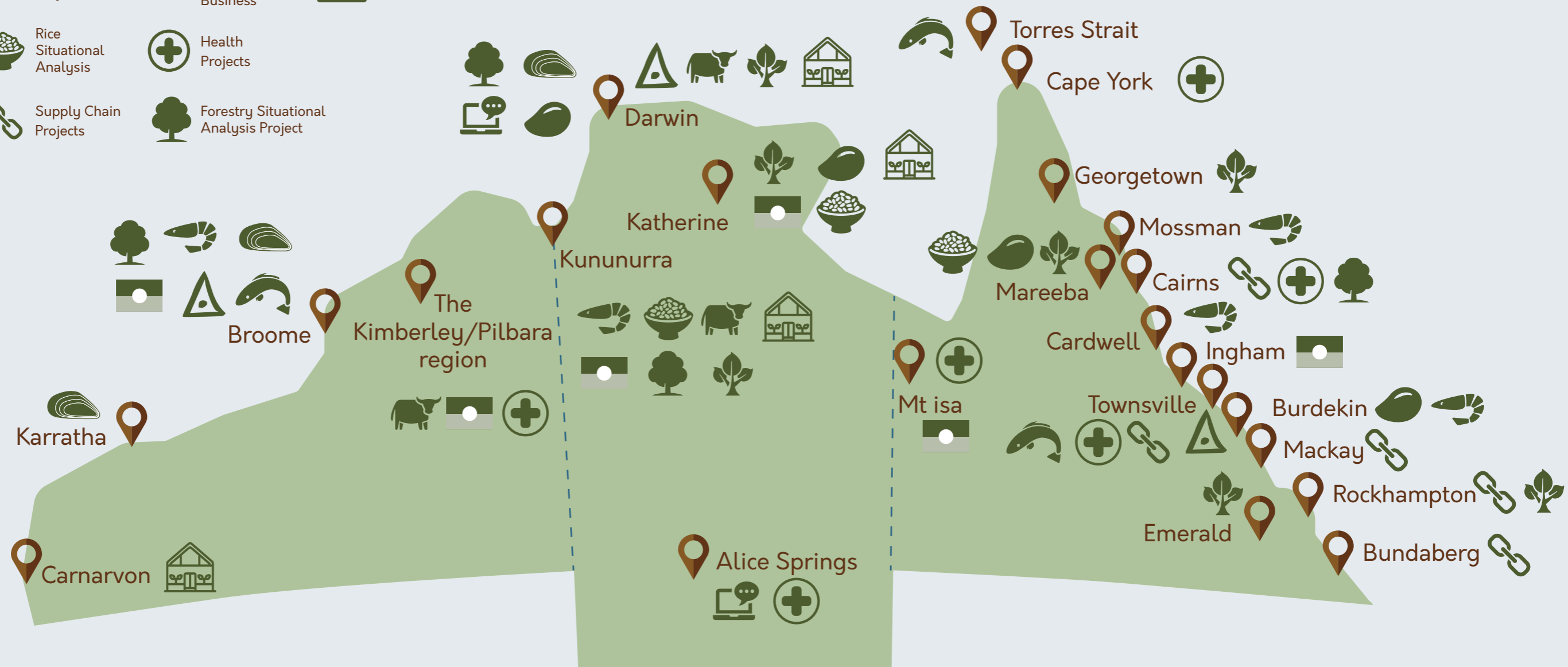
as at August 2019



Current research locations

LEGEND

Beef Situational Analysis	Oyster Projects	CRCNA Office	Horticulture
Cropping Projects	Prawn Projects	Traditional Owner-led Business	Communications
Mangoes	Rice Situational Analysis	Health Projects	
Aquaculture Situational Analysis Projects	Supply Chain Projects	Forestry Situational Analysis Project	



Northern Australia – the engine room of Australia's economy

16 million ha
Soil across northern Australia suitable for intensive agriculture

Land
53% of Australia's land mass

GDP
10.7% or \$187 billion of Australia's GDP 2016 - 17

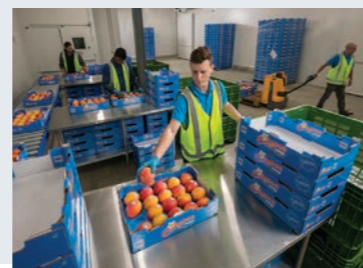
Employment
644,100 persons employed

Agricultural production
\$8 billion 13.6% of Australia's total production

Population
1.3 million 5.2% of the Australian population 15% of northern Australian population identify as indigenous

Agribusinesses
8000 agribusinesses in northern Australia - 9.4% of Australia's total

Indigenous estate
78% of northern Australia subject to indigenous interests



Research investment case studies

De-risking the investment landscape of northern Australia

Finding the policy and regulatory solutions to facilitate northern Australian development, in the areas of agriculture, health service delivery, and Traditional owner-led business sectors.

Capturing the ASEAN agricultural opportunity for northern Australia – Total project value \$110,000 CRC funding \$110,000

Working with Australian Chamber of Commerce ASEAN in Singapore to identify markets and commodities in ASEAN markets.

Diversified North Australia Land Sector Development Framework – Total project value \$1,000,177 CRC funding \$363,636

Indigenous not-for-profit company the North Australian Indigenous Land and Sea Management Alliance Ltd (NAILSMA) has partnered with the Northern Land Council, Charles Darwin University's Bushfire Research Centre and the Nature Conservation Trust to develop a framework for Traditional Owners to lead the discussion about preferred development pathways on Country.

Industry sector and regional development

Clarifying the problem, framing the issues and solutions in the areas of agriculture and food, health service delivery and Traditional owner-led business.

Aquaculture industry sector situational analysis – Total project value \$420,192 CRC funding \$199,948

This situational analysis study will examine current industry characteristics, including industry size, production, income, productivity measures and employment levels to understand capacity and scalability limitations. A Northern Australia Aquaculture Industry Vision 2028 will be developed as part of this study.

Developing a broadacre cropping sector in north Queensland - Total project value \$1,581,959 CRC funding \$299,989

The CRCNA have reached an agreement with the Grains Research and Development Corporation (GRDC) to invest in projects which build skills and trials a variety of broadacre crops. This project will work with existing and new grain growers, and the agribusiness sector, within the Gulf River catchments to develop local cropping systems and agronomic skills.

Industry-led research collaborations

Understanding the issues, challenges and barriers to investment in the areas of agriculture, food, aquaculture, northern Australian health service delivery and Traditional owner-led business.

Mango exports to China – Total project value \$2,245,551 CRC funding \$952,4711

This research collaboration between Australia's leading Calypso mango exporter Perfection Fresh, the Queensland Department of Agriculture and Fisheries and the University of Queensland will use the latest in supply chain management, quality assessment tools and information technology platforms to identify and resolve issues impeding the export of mangoes into China. It is expected the project will increase Calypso mango exports to China by 200 per cent in the next 3 to 5 years.

Establishing eye screening services to prevent avoidable blindness – Total project value \$1,636,362 CRC funding \$800,000

This project will work with Indigenous health service providers to implement new eye screening cameras and train staff in remote health service locations.

The CRCNA acknowledges the support of our government partners.

