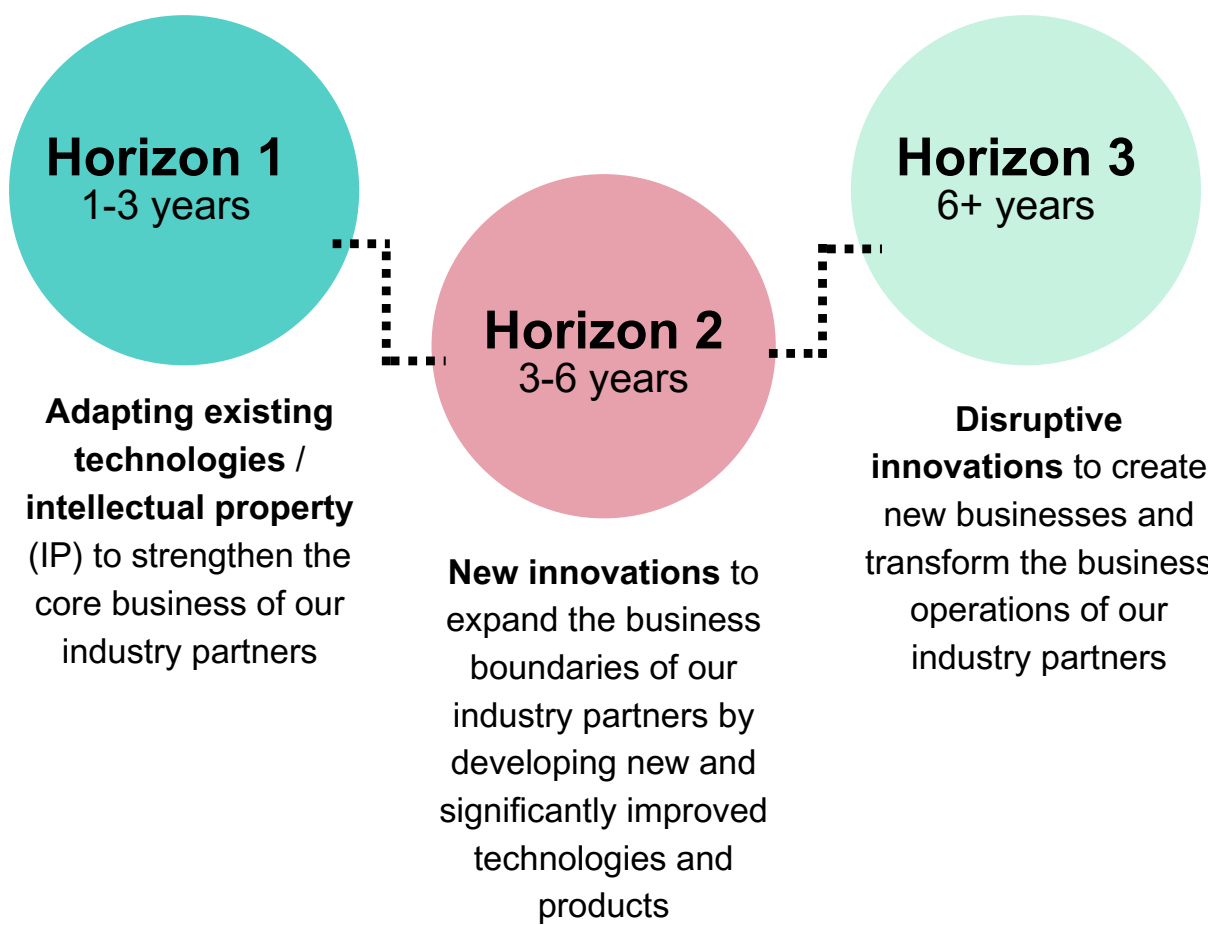


Research Strategic Plan 2021-2026

Our vision is to make Australia a global significant player in the marine bioproducts industry, through Australian grown, manufactured, sustainable, and safe marine bioproducts.



We aim to deliver high-quality, collaborative and industry-focused research outputs. Each research program focuses on a component of the marine bioproduct supply and value chain.

PROGRAM 1: SUSTAINABLE MARINE RESOURCES

will address industry needs in achieving scale-up of biomass production of selected microalgae, macroalgae and marine animals.

PROGRAM 3: AUSTRALIAN MARINE BIOPRODUCTS

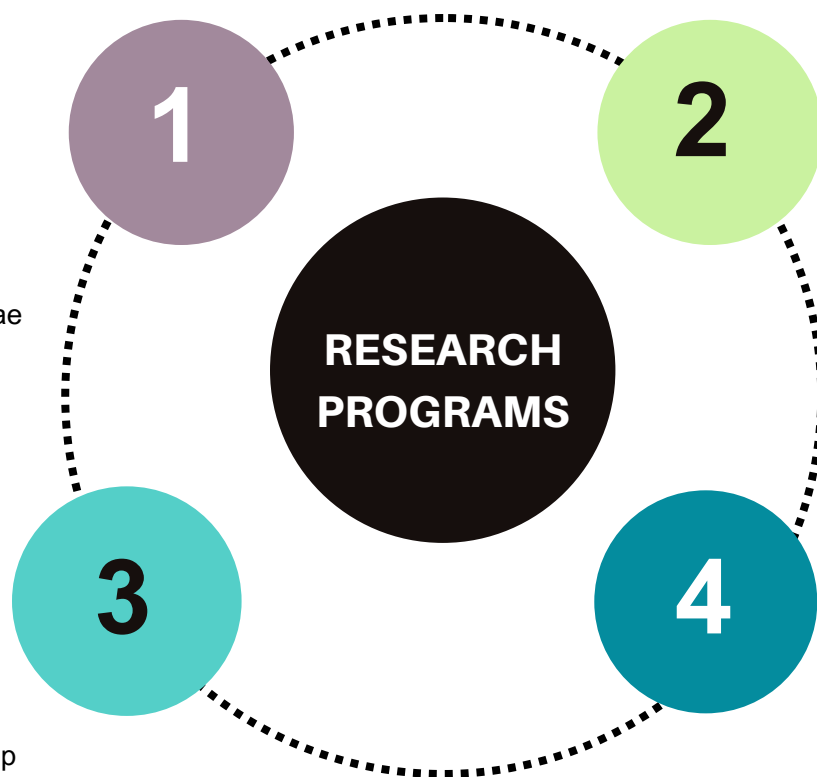
will capture end-user requirements, identify extracts with desired properties, and develop validating scientific evidence for market entry and regulatory approval.

PROGRAM 2: INNOVATIVE BIOPROCESSING TECHNOLOGIES

will develop novel biorefinery technology, adopting circular manufacturing principles to create multiple product streams from a single marine biomass.

PROGRAM 4: CONNECT, EDUCATE AND TRAIN (CET) PROGRAM

underpins the development of workforce and skills required by industry partners.



STRATEGIC RESEARCH OBJECTIVES



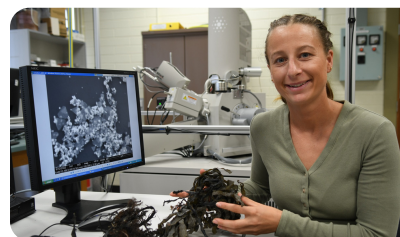
Capture opportunities for sustainable use of the Australian marine exclusive economic zone and its untapped bioresources, while addressing economic, environmental, social and ethical sustainability.

Create sovereign capacity for advanced manufacturing by helping industry develop high quality, IP-protected, marine bioproducts; overcoming value and supply chain bottlenecks; and building new markets.



Build support and trust for the industry by working closely with multiple stakeholders to acquire permission before accessing marine resources; ensuring testing of products; and engaging the public through education and social science research.

Develop a highly trained workforce and enable a new generation of industry leaders; removing roadblocks to collaboration and uniting national and international expertise.



MEASURING RESEARCH SUCCESS

100% industry partners engaged in projects

40% or more partners with improved commercialisable knowledge and IP position

30% or more partners in collaborative projects involving at least three partners

Increased research collaboration agreements with regional and Indigenous enterprises

Consolidated industry-driven capacity as a trusted innovation service provider

Delivery of research program milestones and outputs of the Commonwealth Agreement

Suite of toolboxes developed

7 KEY IMPACTS ON INDUSTRY BY 2026

1

Increased Australian biomass production

Increased biorefinery processing and efficiency

2

3

Expanded portfolio of Australian marine bioproducts

Increased industry profitability and market value

4

5

Reduced risks in industry investment

Increased industry sustainability

6

7

Industry-ready graduates and workforce