



Mission Area: Sustainable Energy & Resources

We have been working with collaborators from across industry, research and government to co-design this mission. This summary reflects the mission in development and will continue to evolve.

Technology pathways for low emissions resource industry and agriculture

The mission aims to create new growth industries and jobs for Australia and ensure the ongoing global competitiveness of Australian resources, agriculture and regional communities by developing the tools to achieve Net Zero Emissions.

Opportunity

Governments and major businesses are setting Net Zero Emissions goals. Australia has an opportunity to create new low carbon growth industries and jobs, but we don't have the tools available to achieve it. Achieving these goals requires not just development of new technology but demonstration of technology at scale to drive wider adoption.

Developing and demonstrating effective, high abatement potential technology with industry partners will ensure Australia can reduce its emissions while capitalising on our many natural advantages to export technology, low carbon products, carbon offsets and help our trading partners to reduce global emissions.

Proposed mission focus

The mission will focus on four areas to enable Net Zero Emissions goals of industry, governments and communities around Australia:

- Science-based frameworks for achieving Net Zero Emissions
- Standardised assessment techniques including digital carbon monitoring systems
- New high-abatement potential technologies for industry and agriculture
- Growth, high value jobs and transition pathways

Proposed Impact

- Australian industry will align to global markets
- World-class monitoring for assurance and trust underpinning new industries for Australia
- Cost-effective low- and negative emissions processes to enable profitable net zero emissions business models
- Sustainable growth opportunities for our regions, communities and businesses

Collaborators

Success depends on strong collaboration across industry, research and governments. We are currently engaging with advisory, funding, R&D and translation partners to establish this mission and welcome expressions of interest to collaborate with us.

Some of our early collaborators include:

- Regional Growth NSW Development Corporation
- SA Department for Energy and Mining
- Microsoft
- Meat & Livestock Australia
- ClimateWorks Australia with Monash Sustainable Development Institute
- Climate-KIC
- Energetics

For further information

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