

Centre for Climate Action on Agricultural Emissions



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Outline



Why we need to take action – our current context

Climate Emergency Response Fund investments – a systems approach

Centre for Climate Action on Agricultural Emissions

Why we need to take action



Agricultural emissions make up 50% of New Zealand's gross emissions, including nitrous oxide and biogenic methane

2050 targets to reduce biogenic methane emissions by 24–47 per cent nitrous oxide emissions to net zero

Enhance New Zealand's reputation as a low-emissions and trusted provider of agricultural products

To mitigate the impact of climate change on our environment and the socioeconomic wellbeing of communities

Insufficient tools and technologies available for farmers to reduce emissions

Climate Emergency Response Fund

Accelerate new mitigations (\$338.7 million over four years)

New tools and farming practices can help unlock significant reductions in agricultural emissions.

This initiative will:

- establish a new Centre for Climate Action on Agricultural Emissions to reduce agricultural greenhouse gas emissions;
- include a joint venture partnership between government and the private sector;
- unite efforts to accelerate research and development;
- get new tools, technology, and practices to lower on-farm emissions to farmers faster;
- include mātauranga-based approaches to support whenua Māori owners with climate change mitigation.



What are we funding?

The NZAGRC

The Joint
Venture

Māori-led
innovation and
mātauranga

International
efforts
& GRA

Regulatory
capacity and
accounting

Capability

Infrastructure

What are we funding?

A portfolio

An outcome

An ambition

A system

Tools in the
hands of
farmers

A moon shot

Centre for Climate Action on Agricultural Emissions

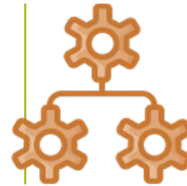
The Centre for Climate Action on Agricultural Emissions will accelerate the research, development, and commercialisation of tools and technology to help reduce emissions and get the tools into the hands of farmers faster.



Value proposition for the Centre



Secures a sustainable and competitive \$30b industry and regional communities



Provides essential R&D infrastructure now and in the future



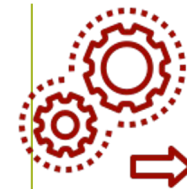
Attracts, trains and retains critical capability



Brings critical science and commercial capability together to deliver outcomes



Helps meet our international obligations and positions New Zealand as a leader



Invests in a pipeline that delivers tools to benefit New Zealand farmers to reduce emissions

Centre for Climate Action Joint Venture

- A 50:50 long-term partnership between Government and industry
- Shareholders: the Crown, ANZCO Foods, Fonterra, Rabobank, Ravensdown, Silver Fern Farms and Synlait
- Strong commercial focus - will invest in new products and technologies to accelerate efforts to lower agricultural emissions
- Led by Executive Director Wayne McNee
- The Board: led by Sir Brian Roche with Jessie Chan, Sir Neville Jordan, Greg Murison, and Fraser Whineray

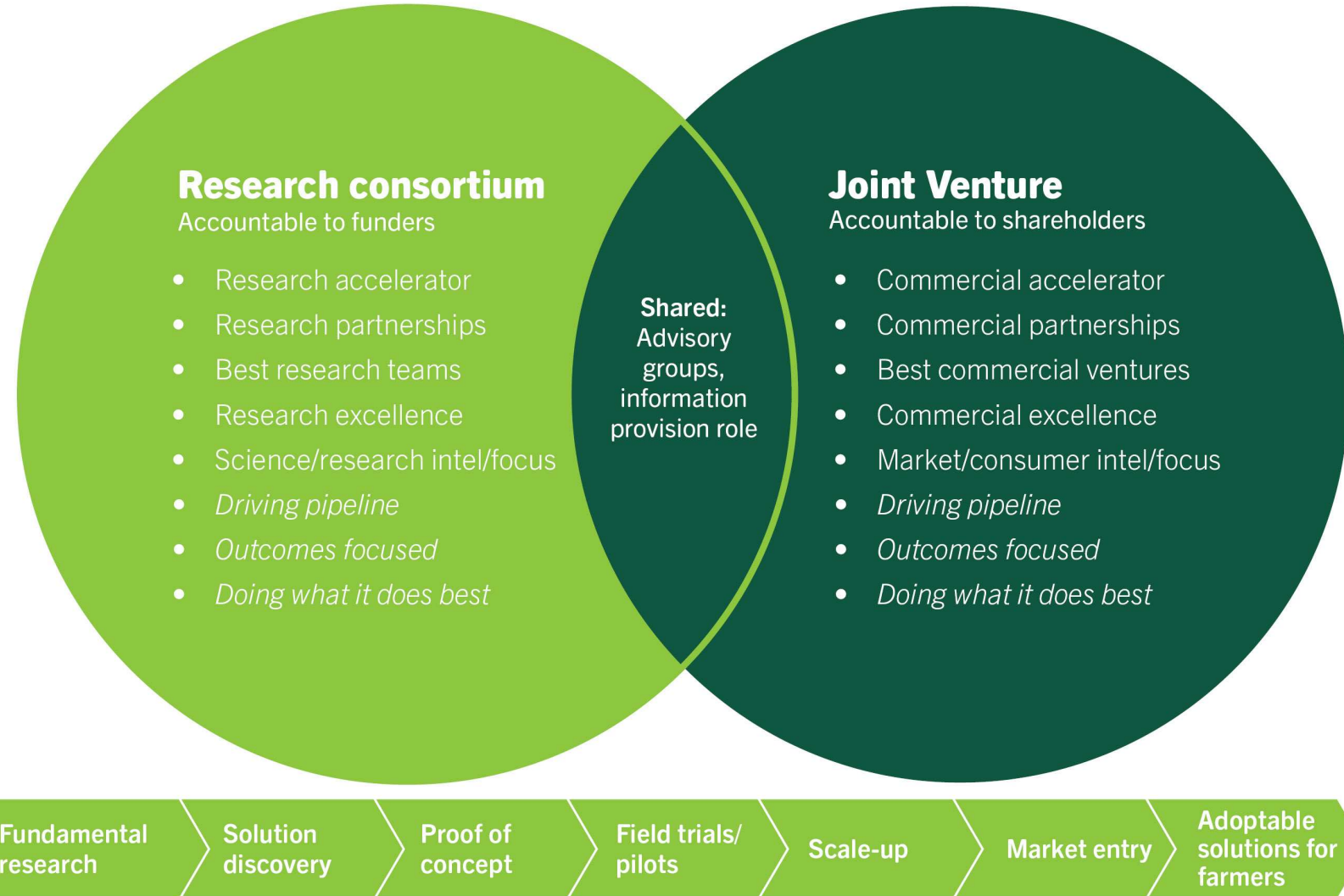


New Zealand Agricultural Greenhouse Gas Research Centre

- Provides the R&D engine of the Centre
- Has a reputation for science excellence and leadership
- Needs to be set up to succeed in terms of
 - Meeting ambition
 - Desired scale and pace
 - Right level and model of resourcing
 - Delivering outcomes



Centre for Climate Action on Agricultural Emissions



THE CENTRE COMPONENTS

The Centre for Climate Action will have a portfolio of investments across the pipeline

Through both the research and commercial arms – individually or collectively (including with other players)

Provide solutions to farmers to reduce greenhouse gas emissions

Early investments – building momentum

More than \$36 million in early investments so far including:

- Methane inhibiting bolus with Ruminant Biotech
- Increasing our supply of low methane rams through genetic selection
- Greenhouse gas measurement equipment and infrastructure
- PhD Fellowship and Scholarship Programme
- Greenhouse gas capability plan
- Further research into methane vaccines
- Plantain research



Next steps

- Setting up the NZAGRC for success as part of the Centre
- Identifying the key areas we're collectively going after
- Infrastructure plan
- Capability plan
- Reporting, Monitoring, Oversight, and Connection
- Investing





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