

# Agriculture and forestry in the transition to low emissions

2021

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**He Pou a Rangi**  
Climate Change Commission

## OUR ADVICE

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Our advice provides Aotearoa with a comprehensive strategy for tackling climate change.

### **FOUR AREAS:**

- Level of the first three emissions budgets from 2022-2035.
- Direction of policy for the Government's Emission Reduction Plan.
- Consistency of New Zealand's first NDC with staying below 1.5 degrees of warming.
- Eventual reductions in biogenic methane which might be required.

# BIOGENIC METHANE

- The Zero Carbon Act sets out separate targets for biogenic methane:
  - 10% reduction by 2030
  - 24-47% reduction by 2050
- Our budgets align with these targets for methane.



# THE PATH FOR AGRICULTURE

- We have developed a possible path for reaching the targets set in legislation.
- Under this path we expect to see:
  - A steady decrease in methane per kilogram of output, caused by a number of drivers.
  - Production remaining constant as farmers continue to innovate and adjust farm management practices.
- Farmers will need industry and policy support – working together. It is not an easy task.



# THE PATH FOR AGRICULTURE

- Aotearoa can achieve methane reductions of 24% by 2050 without any technology developments, such as vaccines or inhibitors.
- The successful development of new technologies will allow the sector to meet the more ambitious end of the 2050 target.

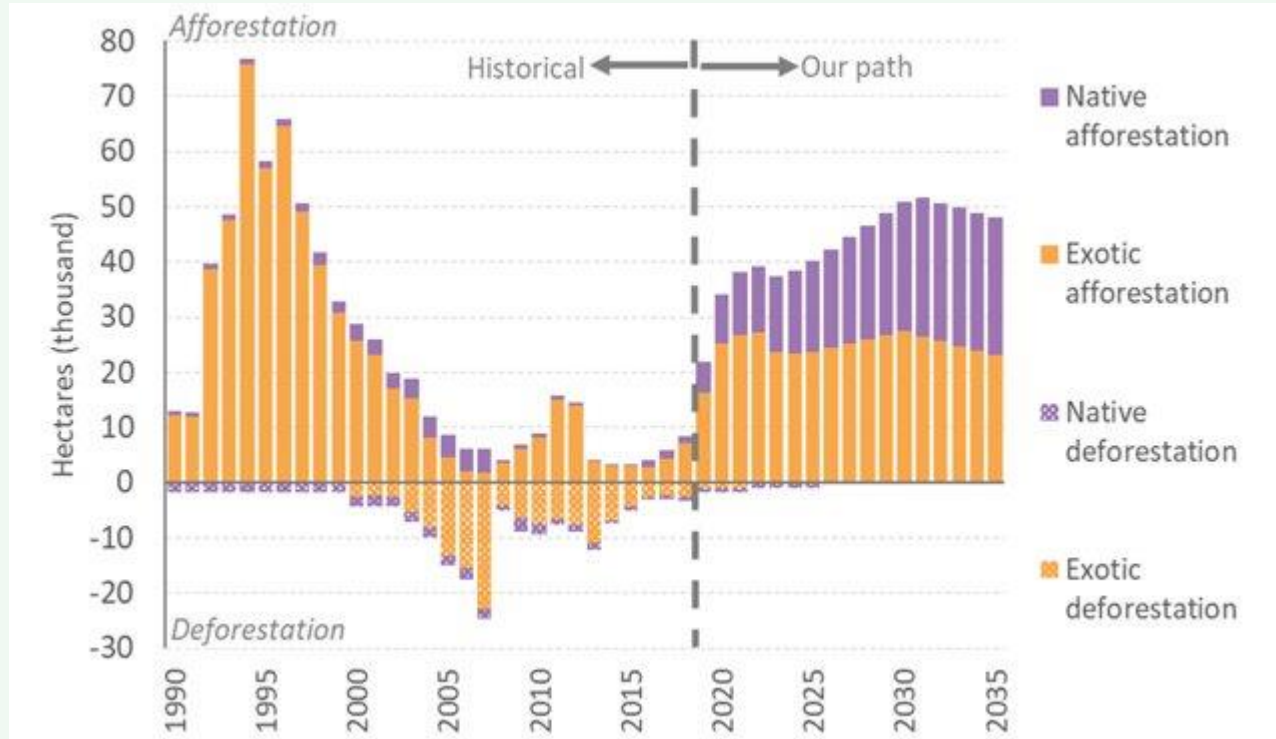


# THE ROLE OF FORESTS

- The benefits of native forests are inter-generational – they can create a long-term carbon sink as well as other benefits.
- Pine trees will still play an important role in getting to 2050 and will also support a future bioeconomy.
- Incentives are needed to establish more native forests.



# THE ROLE OF FORESTS



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