

# **Food derived using new breeding techniques**

## 2019 Review by Food Standards Australia New Zealand

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# Outline

- Background
- Reason for the NBT review
- Key review questions
- Review findings & Recommendations
- Next steps



Genome editing techniques

Cisgenesis/intragenesis techniques



Techniques producing null segregants

Agroinfiltration

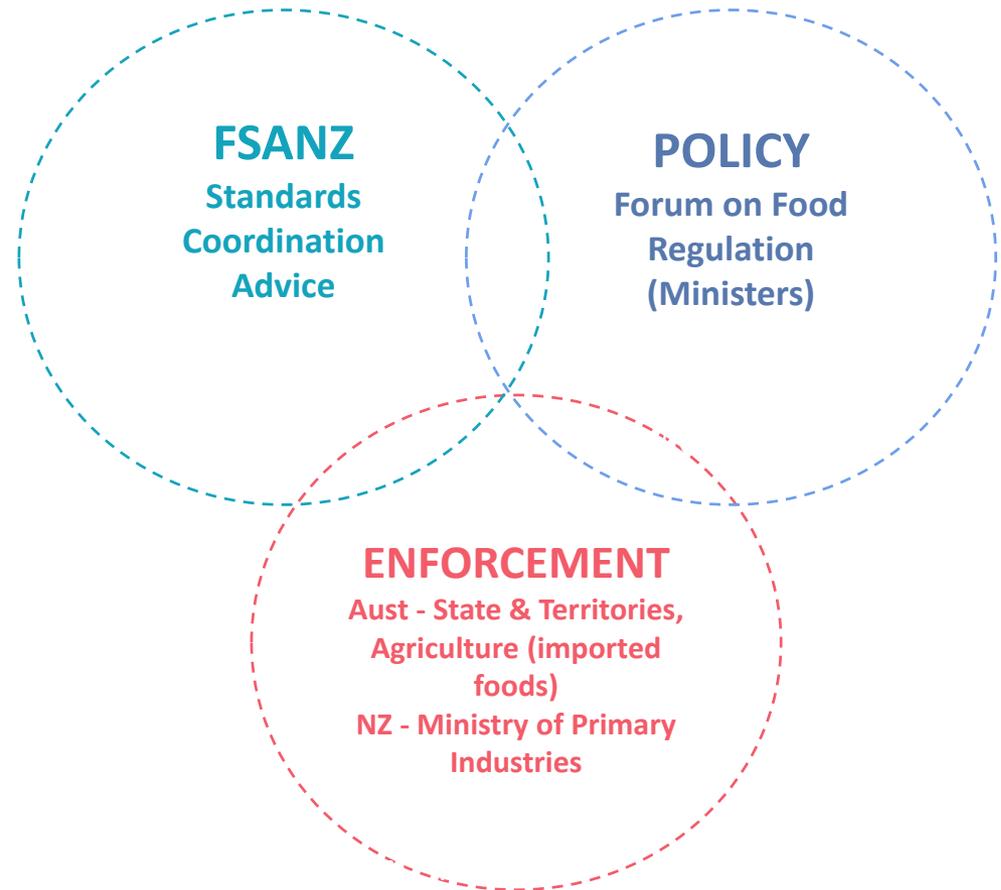


GM rootstock grafting

# FSANZ and the food regulatory system

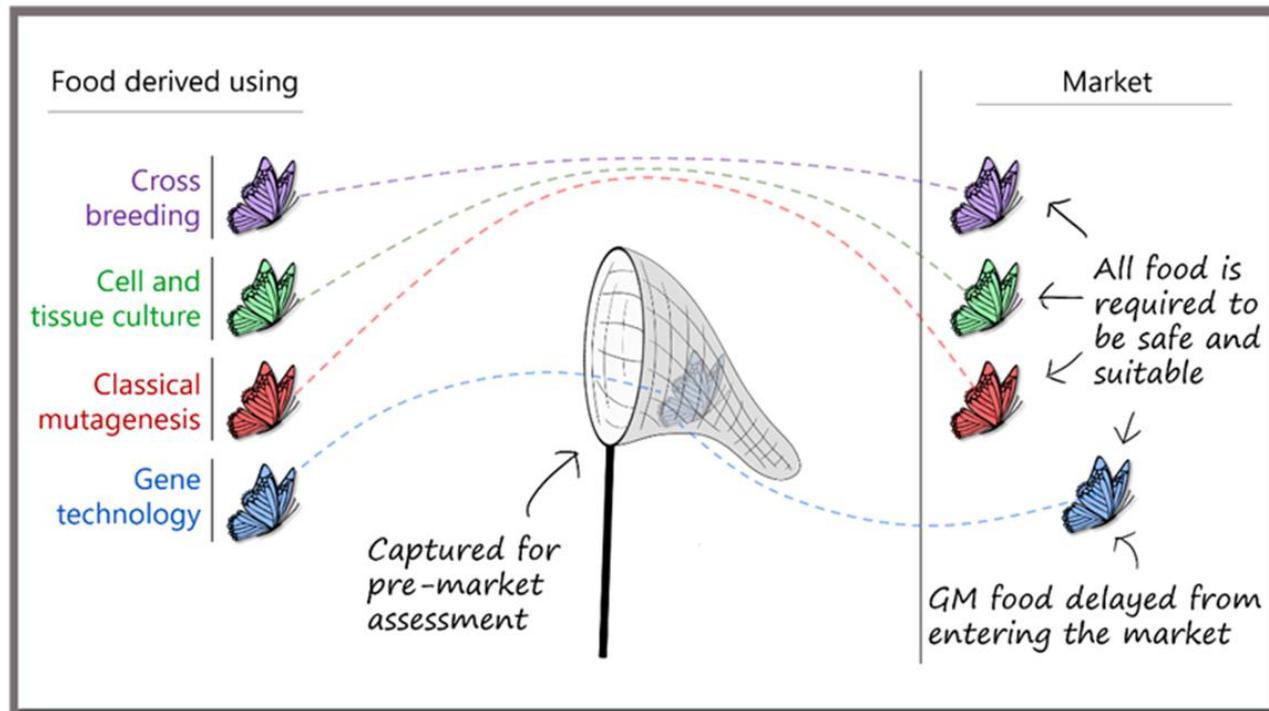
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- A statutory agency within the Australian Government Health portfolio
- Develops food standards for Australia and New Zealand – *Australia New Zealand Food Standards Code*
- Not responsible for enforcement



# GM food regulation under the Code

- Standard 1.5.2 – Food produced using gene technology adopted in 1999
- Relies on process-based definitions
- Standard unchanged since its adoption in 1999



# Why the review?

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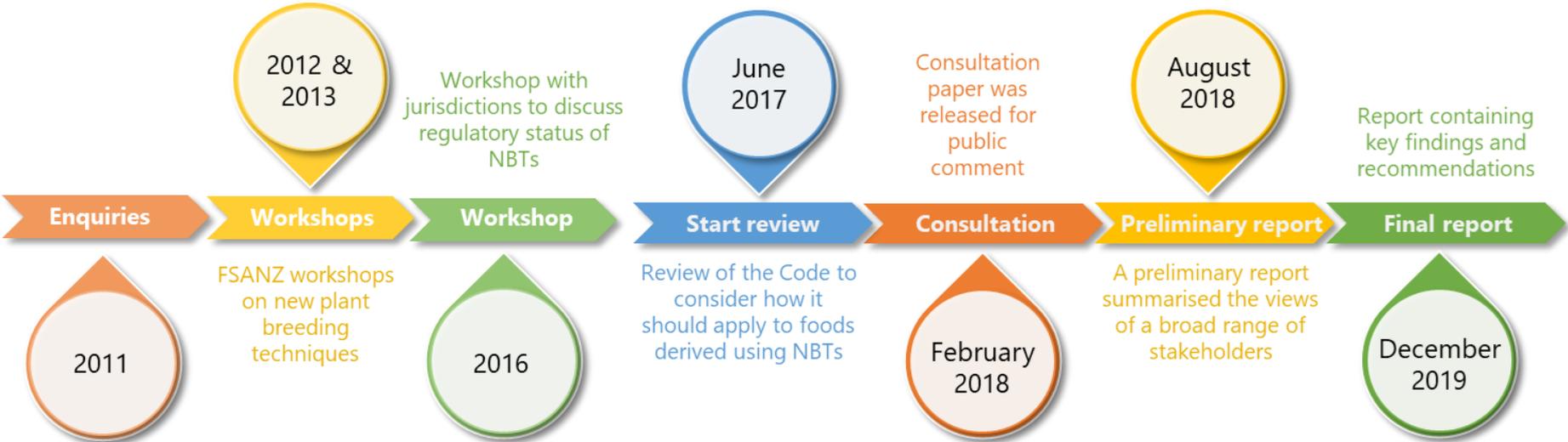


- Unclear if foods derived using NBTs are captured by current definitions
- FSANZ constrained from providing interpretive advice in relation to the scope of definitions

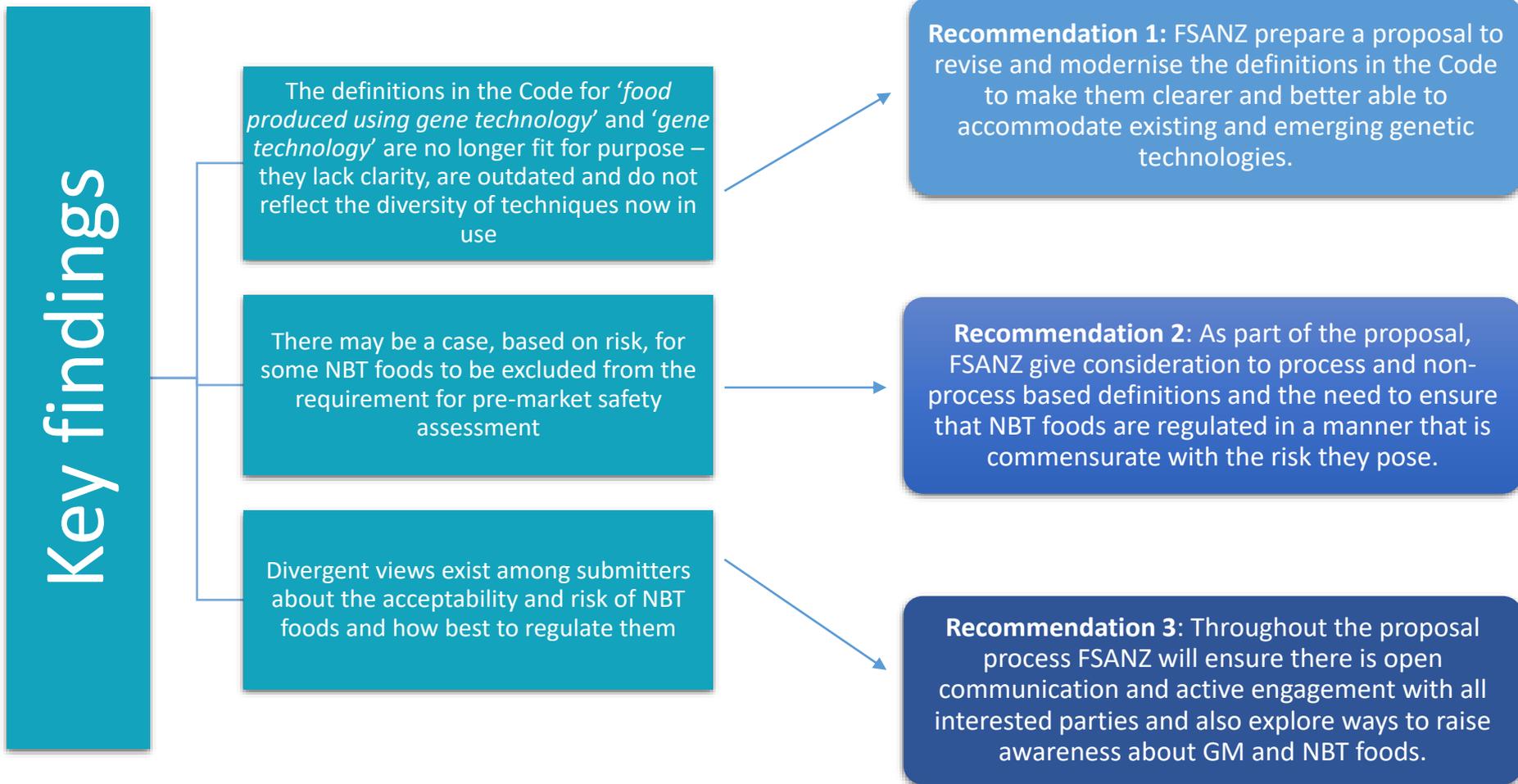
## Key review questions:

- are the definitions in the *Australia New Zealand Food Standards Code* for '*food produced using gene technology*' and '*gene technology*' fit for purpose given the emergence of NBTs
- is pre-market safety assessment of NBT foods justified based on risk

# Timeline of FSANZ's work on NBTs



# Final report – findings and recommendations



# Next steps - revising definitions

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- *P1055 Definitions for gene technology and new breeding techniques*
- Work commenced in February 2020
- First public consultation in early 2021

Objectives for amending the definitions:

Improve clarity about what foods are captured for pre-market approval

Better accommodate new and emerging technologies (future proofing)

Regulate NBT foods in a manner that is commensurate with the risks they pose

# Website material

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## **Webpage for NBT review:**

<https://www.foodstandards.gov.au/consumer/gmfood/Pages/Review-of-new-breeding-technologies-.aspx>

## **Final report for NBT review:**

<https://www.foodstandards.gov.au/consumer/gmfood/Pages/Review-of-new-breeding-technologies-.aspx>

## **Webpage for NBT proposal for revising definitions:**

<https://www.foodstandards.gov.au/code/proposals/Pages/Proposal-P1055-%E2%80%93-Definitions-for-gene-technology-and-new-breeding-techniques.aspx>

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