

Is breeding a methane mitigation solution for cattle?



Where are we now?

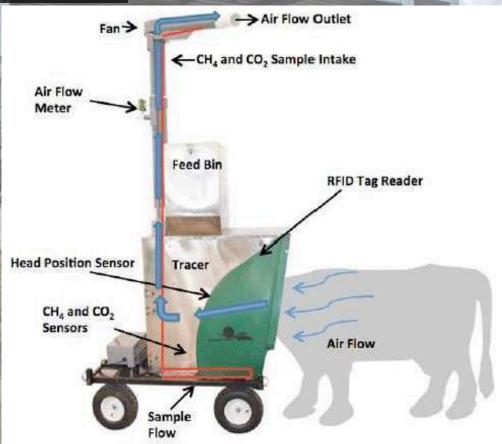




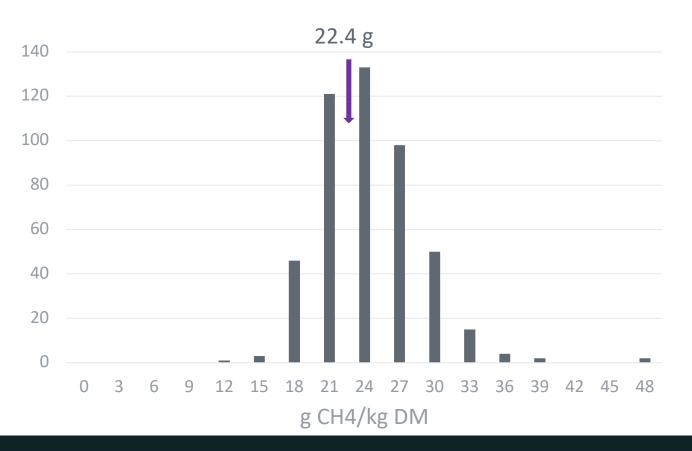
Year 3 of data collection, minimum 3 years required

Genetic correlations between CH₄ and other traits





Results to date



Heritability around 0.1

77% of genetic variation in methane remains after accounting for variation in feed intake





















Where are we now?

Validation: Daughters in utero

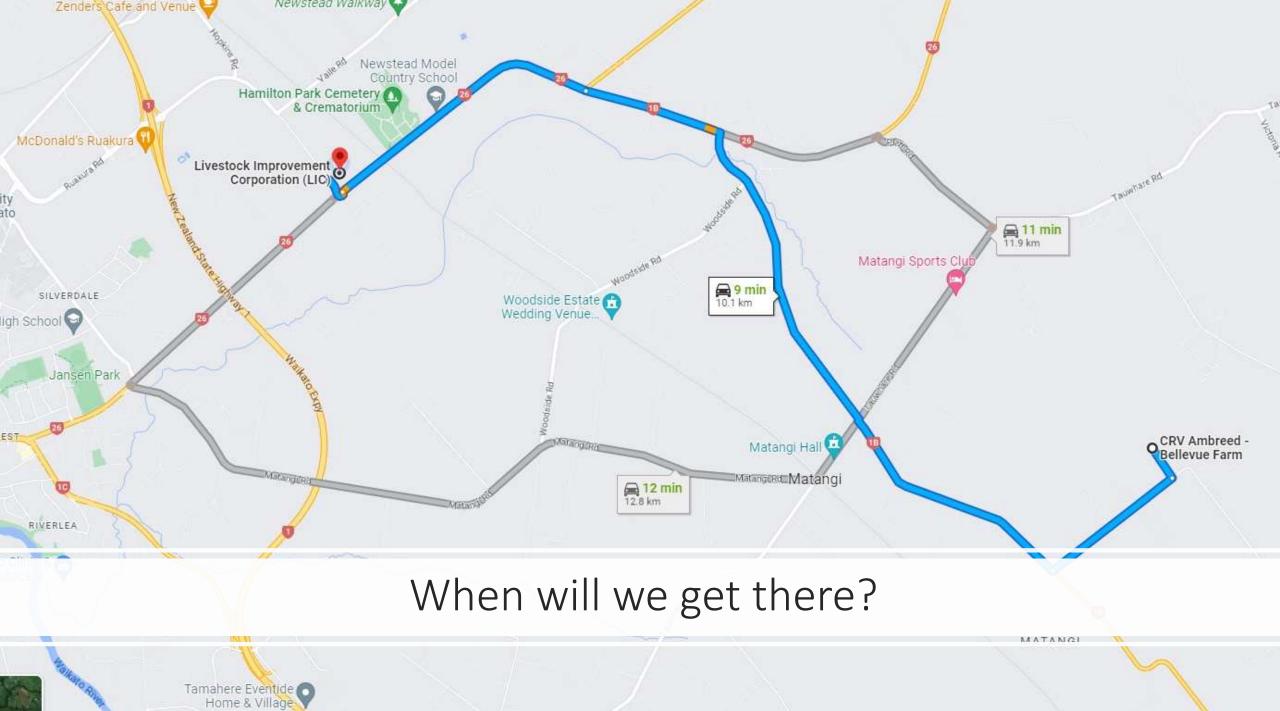
+ve methane 200 daughters

-ve methane 200 daughters



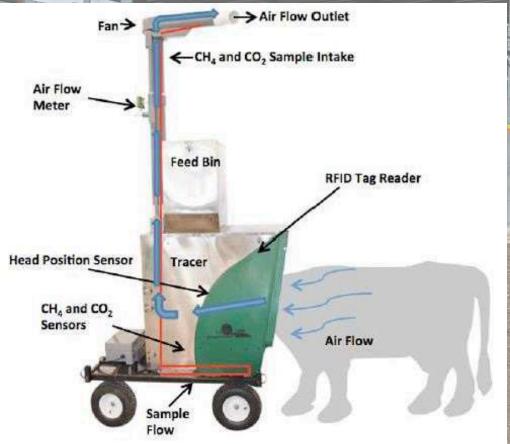






Quality vs. Quantity of Data

2021 onwards
Bulls, methane and feed intake





What's the impact?





Best case - semen available from 2025

We are in the 2050 game, not the 2030 game

10-20% reduction in methane/kg DM by 2050

Thank You! & LIC° CRV Science is a team game, not an individual sport