

Is breeding a methane mitigation solution for cattle?

Lorna McNaughton



Phil Beatson



What is the mitigation solution?

Genetic selection for low methane production

Heritabilities between 0.1 and 0.3

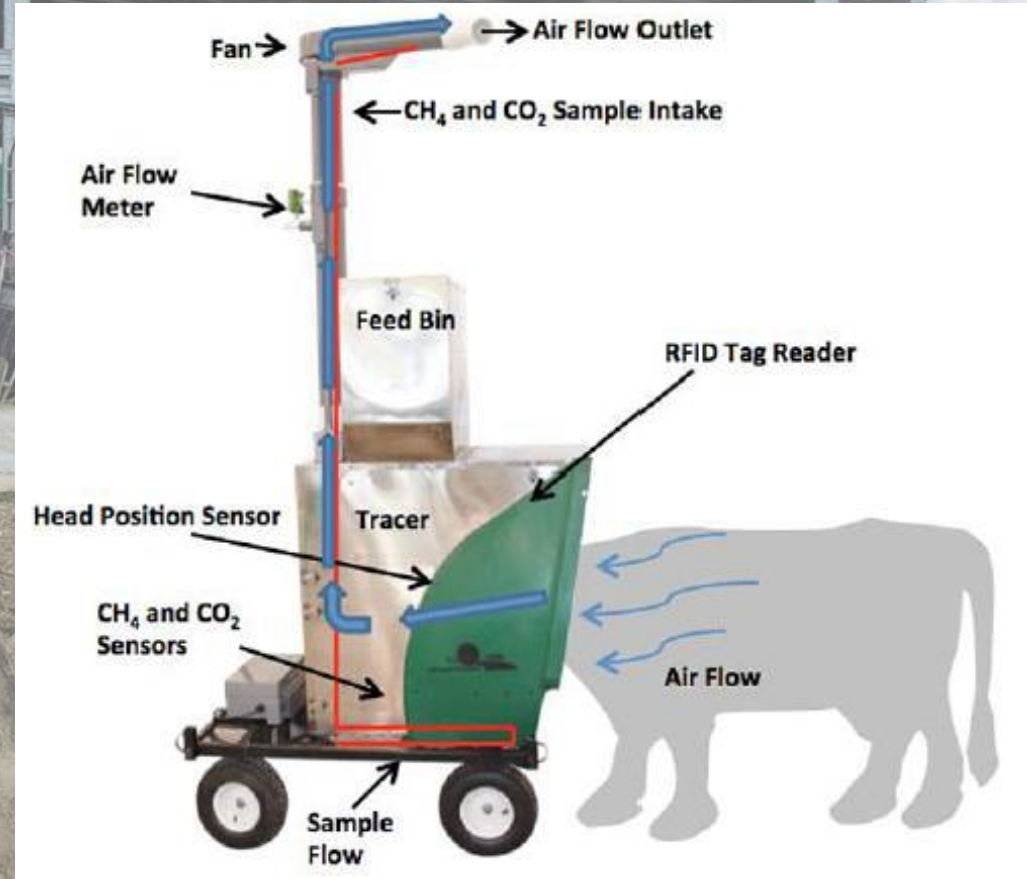


What is the status of the research?



Year 1 of data collection, **minimum** 3 years required

Genetic correlations between CH_4 and other traits



What are the next steps?



Validation in daughters



When will we get there?



Best case - semen available from 2025

Existing distribution – **frozen** and **fresh** semen delivery



Oakura Lika Murmur



San Ray FM Beamer

What is the potential outcome?

1% reduction per year – permanent and cumulative

2030 – little impact

2050 – significant impact (20% reduction)



Relative methane production

