





RuminOmics (EU-FP7 project)

Measuring CH₄ and rumen sampling 1,000 cows
Feed intake
Milk yield
Digestibility

Linking the cow genome to the rumen microbiome and feed efficiency

RUMINOMICS

Conclusions

- CH₄ emissions vary a lot between cows
- On-farm emissions vary more than chambers
- Individual cow differences are consistent and related to known methane drivers
- Cows eating equal amounts of the same diet can have different emissions (and vice versa)
- Could be genetics, physiology, behaviour, ...

... More research needed ☺