Interpreting cattle vocalisations: A way to revolutionise cattle welfare and production

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Aims

To characterise the vocalisations of dairy cattle in response to both positive and negative farming contexts
Scientific Output: The individuality of the heifer’s voice

Heifer 41
Feed anticipation

Heifer 44
Feed anticipation
Scientific Output: Differences in heifer vocalisations across contexts

Heifer 21 feed anticipation
- Positive context

Heifer 21 partial isolation
- Negative context
Scientific output: Cattle call types

Open mouth vocalisation

Closed mouth vocalisation
Industry Impact

- Acoustic monitoring tool
  - Welfare and animal condition

- Complement existing animal technologies
  - Increase accuracy of heat detection
Increasing connectivity
Questions?