

Improving quantification

- Expanding predictive ability of CH₄ emissions for wider range of feeds and farm/production systems, region-specific combinations
 - Build on FNN database, CATIE, IICA, SAMPLES
 - Targeted minimum measurements
 - Crucial to keep database 'live'
 - Minimum input parameters
 - Use of available feed composition resources, FEEDIPEDIA, CORPOICA database
- Guidance on measurement techniques and protocols
 - Build on existing reviews
 - METHAGENE
 - ICAR working group
 - Include decision-tree
 - Minimum data needs

Improving quantification

- Understanding CH₄ mitigation within the farm system
 - Model interactions (synergies/trade-offs)
 - Build on GLEAM – make more user-friendly, simplification
- Guidelines for improving activity (and productivity) data
 - With CCAFS, MRV work stream
 - Models, surveys, interpolating between census dates, seasonality
 - Minimum data requirements for Tier 2
 - Characterising uncertainties
 - Coordination across data holding agencies and private sector
 - Rapid assessment – minimal data needs

Improving quantification

- Remote sensing of activity data, pasture quality, production, seasonality
- Better understand and define proxies for feed intake, production, emissions etc
- Training and capability building
- Consistency of emissions estimates across scales – validation, differences top-down and bottom-up
- Bridging the gap from grey literature to IPCC database
- Sensitivity testing of inventory estimations to uncertainties in methane yields and activity data, mitigation opportunities