



GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

Zambia



**Summary of relevant activities, future
priorities and capability needs.**

Input to 2025 Livestock Research Group Meeting
Nairobi, Kenya

Relevant activities

- *Enteric emissions estimates (assessment of heads, sex and age of different cattle categories (SPAR6C)*
- *Estimation of manure emissions -CH₄, NH₃, N₂O and CO₂ (assessment of emission factors for different manure systems for cattle*
- *Determination of feed characteristics in the community grazing lands (NZAGRC)*
- *Establishment of communal grazing lands management committees (MoFL)*
- *Introduction of adaptation strategies – promotion of biodigesters (MoFL, SNV, GIZ)*
- *Enactment of the Green Economy and Climate Change Act 2024 which provide among others, for the establishment of a Greenhouse Gas Inventory Management System*

Future priorities

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- *Continuous improvement of the national inventory through use of country specific livestock activity data*
- *Improvement of estimates for emission sources with significant uncertainty levels*
- *Holistic grazing management as a mitigation strategy for methane reduction*
- *Assessment of indigenous breeds of cattle for emission reduction strategies*
- *Design of specialized livestock surveys to target specific livestock activity data especially dairy cattle sector (MoFL, ZAMSTATS)*

Capability needs

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- *Links and Engagement with International networks*
- *Human capital for the GHG compilation and MVR*
- *Procurement of GHG measurements equipment*