

GLOBAL
RESEARCH
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

United States

Summary of relevant activities, future priorities and capability needs.

Input to 2024 Livestock Research Group Meeting
Berlin, Germany

Relevant activities

Improving Mitigation Outcome Estimates Through The Inflation Reduction Act – \$300 Mil towards USDA, MMRV Efforts (Measuring Monitoring, Reporting and Verification)

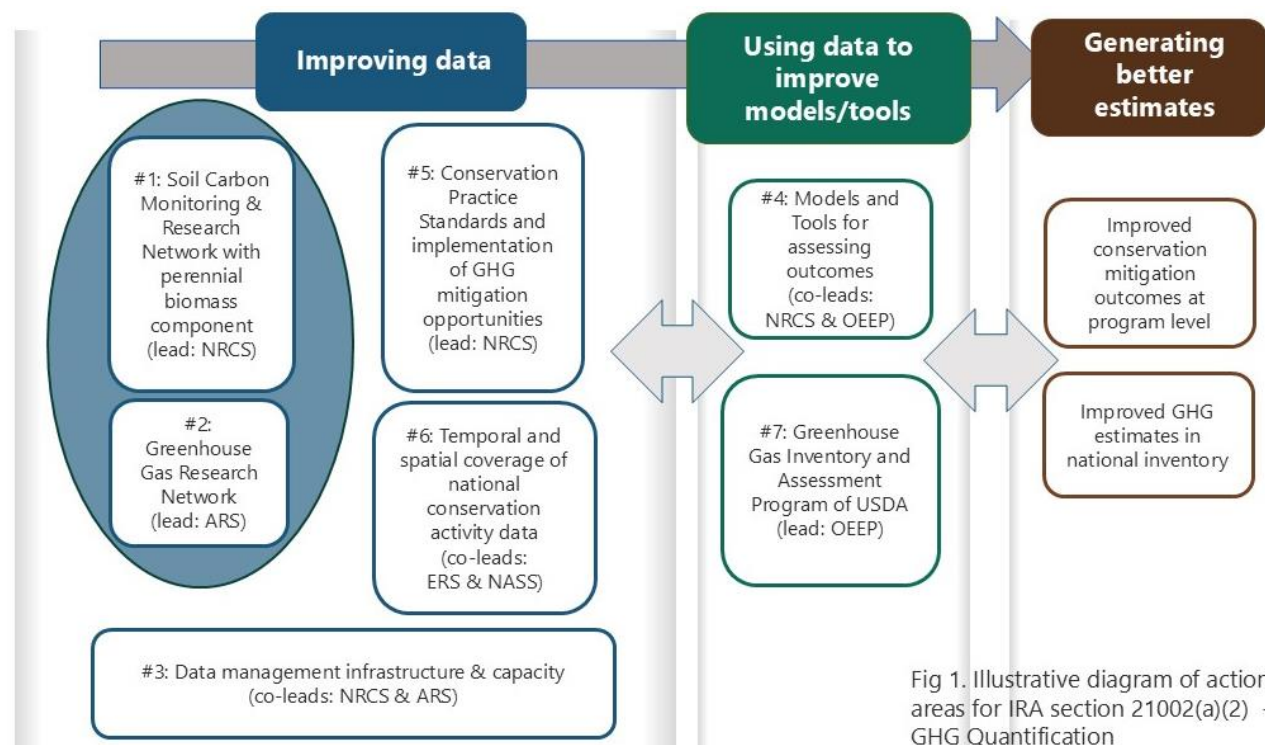


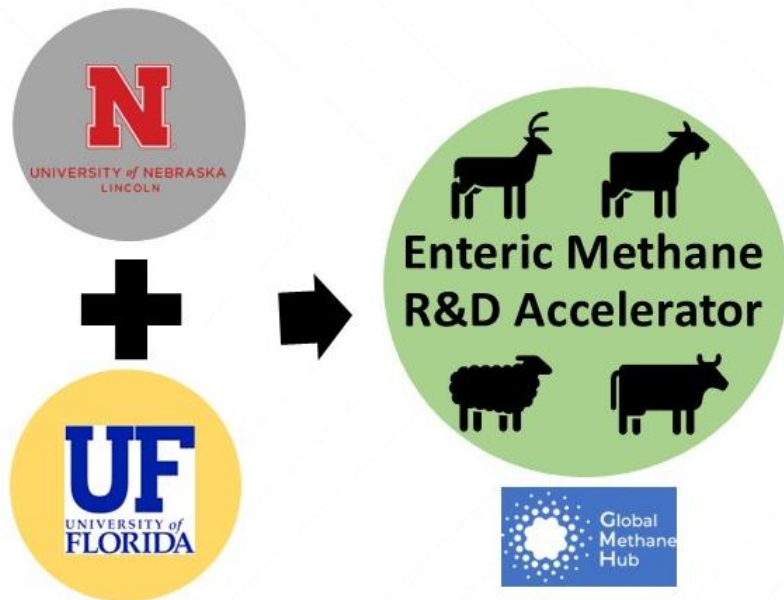
Fig 1. Illustrative diagram of action areas for IRA section 21002(a)(2) - GHG Quantification

- Supports the National Strategy to advance an integrated US, GHG measurement, monitoring and information system.
- Collects field-based data to assess the mitigation outcomes of conservation programs and track those trends through the USDA GHG Inventory and Assessment Program.
- Includes monitoring of enteric emissions from beef and dairy (CH₄) sources, animal housing and manure facility emissions on farms (CH₄ & N₂O), and land emissions (CH₄ & N₂O).

ARS - Agriculture Research Service, **ERS** - Economic Research Service, **NASS** - National Agricultural Statistics Service, **NRCS** - Natural Resources Conservation Service, **OEEP** – Office of Energy and Environmental Policy

Relevant activities

USDA, National Institute of Food and Agriculture (NIFA) New Funding Program on Enteric Methane Mitigation FY23-24 Projects (\$10Mil)



- Additional NIFA funded projects on enteric methane mitigation #6, \$3,933,000
- NIFA funded projects on manure management #3, \$1,925,000
- UC Davis hosted a two-day conference in June 2024 *State of the Science Summit: Reducing Methane from Animal Agriculture*; [2025 Summit is May 20-21](#)
- USDA-Agriculture Research Service, Long-term Agroecological Research Manureshed Working Group published a United States, County level [dataset](#) that includes County capacity to supply manure P & N from confined sources or assimilate and remove excess P & N via. Crops.
- NIFA National Program Leader Dr. Amy Ganguli joined Dr. April Leytem as co-lead of the US Livestock Research Group

Future Priorities & Capability Needs

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Future Priorities

- *Linking GHG measurement data with conservation practices aimed at mitigating GHG emissions*
- *Improving GHG estimates in the National Inventory*
- *Strengthening international collaborations (e.g., Global Methane Hub)*

Capability Needs

- *None identified*