



Role of LEAP Guidelines and GHG Inventories to Support Evidence-Based Action to Improve the Environmental Sustainability of the Livestock Sector

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# FAO Livestock Environmental Assessment and Performance (LEAP) Partnership

- Multi-Stakeholder Initiative (2012)
- to improve the environmental sustainability of the livestock sector through harmonised methods, metrics, and data
- Support to FAO Sustainable Livestock Transformation
- Collaboration between:
  - FAO Member Nations
  - Private Sector
  - NGOs and CSOs



#### **FAO LEAP in Numbers**

- The number of FAO LEAP participants has grown from 35 to 127 from 2014 to 2024
- 21 countries + the European Union involved at the Steering Committee level
- 10 Private sector groups + 9 NGOs
- 450 international scientists and experts

### **FAO LEAP Products - LEAP Guidelines & Technical Reports**

- Science-based and globally agreed
- Valid across all livestock production systems





Ecosystem services assessment in livestock agroecosystems (2025)

The role of livestock in circular bioeconomy systems (2025)

The Global Research Alliance on Agricultural Greenhouse Gases - brings countries together to find ways to grow more food without growing greenhouse gas emissions.



globalresearchalliance.org

@GRA\_GHG

### Research and Capability development programmes

Latin America and the Caribbean

GRA research programme

- Aims to advance knowledge on agricultural greenhouse gas emissions and leads an international effrort to develop best mitigation practices, technologies, and tools
- Aligns with both New Zealand and international priorities
- Supports New Zealand and developing country scientists to collaborate in multinational research projects

GRA capability development programme

- Aims to support developing countries to be able to improve their knowledge and ability to measure, and mitigate greenhouse gas emissions from agriculture
- Includes Knowledge Extension and Exchange Programme (KEEP):Scholarships and Fellowships (CLIFF GRADs/NZGRADs) and Global Research Alliance on Agricultural Inventory Training (GRAIT) Programme

#### What are GHG Inventories

An estimation of a countries greenhouse gas (GHG) emission and removals that have resulted from anthropogenic (human induced) activities.

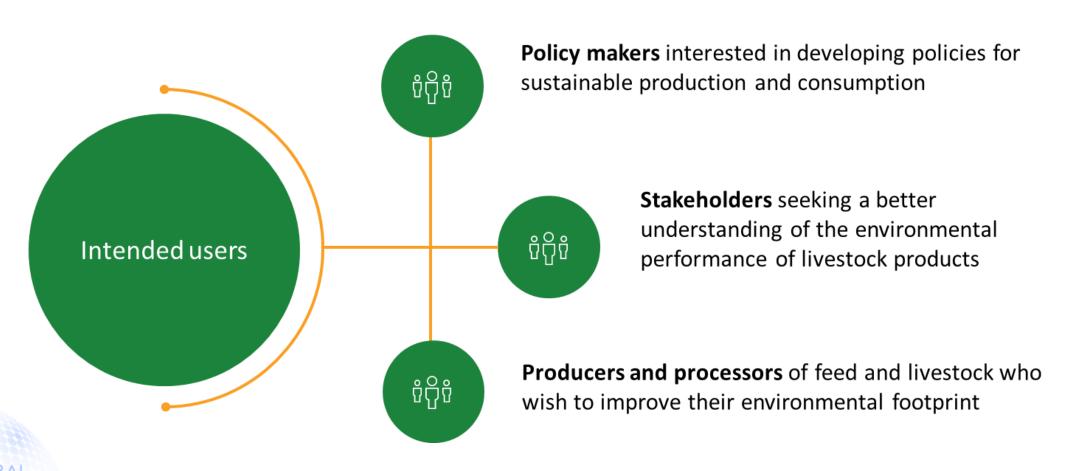
- Reporting under the UNFCCC convention and Paris agreement
- Domestic and Nationally Determined Contribution (NDC) Targets
- Provide information for use in carbon markets

#### Benefits of Higher Tier Inventories (Tier 2/3 v Tier 1)

- More accurate record of GHG emissions/ region and country specific
- Measurement of improvements and trends over time
- Forecasting and management
- Farmer response to Policies/economic drivers
- Help inform business decisions
- Disease reporting and control



#### Who are the intended users of these sources of information?



#### What is the value of the LEAP guidelines and higher level GHG Inventories?

- Harmonisation of measurement approaches
  - lead to greater understanding, transparent application and communication of metrics
  - real and measurable improvement in performance.
- Policy advice (to Government and industry)
- Consumer acceptability
- Environmentally conscious industries
- Access to international funding





# Thank you



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