Livestock Sector Actions Towards More Sustainable Food Systems

**Action network**

Livestock Environmental Assessment and Performance Partnership (FAO LEAP Partnership)

Aimable Uwizeye
LEAP Secretariat
Livestock Policy Officer (NSAL)
Animal Production and Health Division

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting
Livestock Sector Actions Towards More Sustainable Food Systems

**FAO LEAP Partnership in nutshell**

The Livestock Environmental Assessment and Performance Partnership (FAO LEAP) is a multi-stakeholder initiative launched by FAO in 2012 to accelerate the sustainable development of livestock systems, while ensuring social and economic viability.

- Harmonization of methods and metrics
- Consensus building
- Information and data
- Catalogue of application
- Awareness raising

3\textsuperscript{rd} - 7\textsuperscript{th} October 2022, Dublin, Ireland | 12\textsuperscript{th} Multi-Stakeholder Partnership Meeting
Livestock Sector Actions Towards More Sustainable Food Systems

FAO LEAP Partnership in nutshell

★ The number of LEAP partners has grown from 35 to 121 over an 8-year period from 2014 to 2022.
★ **21 countries** + the **European Union** involved at the Steering Committee level.
★ **54 countries** contribute at both steering and technical level.
★ **12 technical guidelines** for environmental assessment for major livestock species and feed developed.
★ **350 international scientists** and experts involved.

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting
Key livestock sector challenges

- **Inconsistency** in methods and metrics to assess the environmental performance of livestock.

- **High cost** of developing new methods and metrics.

- Enhancement of **accuracy, transparency, consistency, comparability**, and **completeness** of GHG inventory reporting under the UNFCCC and Paris Agreement, and to provide greater transparency in key sectors.
Livestock Sector Actions Towards More Sustainable Food Systems

Key achievements

**Soil carbon stock changes**
- Measure and monitor change in soil organic carbon

**Nutrient cycles**
- Assess nutrient use efficiency and acidification and eutrophication

**Water footprinting**
- Assess water scarcity footprint and water productivity

**Biodiversity**
- Assess biodiversity and interactions between livestock and the environment

**Feed additives**
- Measure the environmental footprint of feed additives

**Climate change**
- Quantify GHG emissions and other environmental impacts from livestock systems

Catalogue of applications

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting
Livestock Sector Actions Towards More Sustainable Food Systems

Outcomes

OUTCOMES OF 2024-2024 GSAL ACTION PLAN

Sphere of GASL of ToC

- Evidence and practice change
  - Development of guidelines to quantify ecosystem services, circular bio-economy, and environmental assessment of leather industry
  - State-of-art of methane assessment in the livestock sector

- Dialogue
  - Stakeholder engagement
  - Regional workshop and capacity building

- Policy change
  - Development of evidence-based environmental assessment
    - Analysis of trade-offs and synergies with other development goals

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting
Outcomes

OUTCOMES OF 2024-2024 GSAL ACTION PLAN

<table>
<thead>
<tr>
<th>Sphere of Interest</th>
<th>Evidence and practice change</th>
<th>Dialogue</th>
<th>Policy change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global methane report</td>
<td>Stakeholder engagement</td>
<td>FAO LEAP guidelines adopted at country level</td>
<td></td>
</tr>
<tr>
<td>Catalogue of applications</td>
<td>Regional workshop</td>
<td>Using LCA to inform national policies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Capacity building</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Annual meeting</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting
Outcomes

**OUTCOMES OF 2024-2024 GSAL ACTION PLAN**

**Evidence and practice change**
- Engagement with livestock stakeholder
- Implement LEAP guidelines in different tools e.g. GLEAM, CoolFarm tool, GFLI etc.
- E-learning courses on LEAP guidelines

**Dialogue**
- Stakeholder engagement
- Regional training
- Communication strategies

**Policy change**
- FAO LEAP guidelines adopted at country level
- Using LCA to inform national policies e.g. EU PEF

Sphere of Influence

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting
Outcomes

★ Comprehensive assessment of environmental performance of livestock based on life cycle assessment

★ Support benchmarking

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting
Livestock Sector Actions Towards More Sustainable Food Systems

A ‘solution’ for the world

- “[FAO LEAP] responded to an existing demand to advance towards a science-based benchmarking of the environmental performance of the livestock sector. A decade later, the science-based approach and the multi-stakeholder partnership remain fully relevant contributing to a holistic and integrated perspective that even anticipated major global trends”.

- “The multi-stakeholder partnership facilitated the engagement of leading experts from different scientific communities and continents through an open, transparent, inclusive and stepwise process”. (FAO External Evaluation Team, 2022)
Livestock Sector Actions Towards More Sustainable Food Systems

**Highlights**

FAO LEAP Partnership is focusing on:

- Guidelines development
- Dissemination of existing guidelines via LEAP navigator
- Regional workshop and trainings

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting
Livestock Sector Actions Towards More Sustainable Food Systems

Highlights

Quantification and mitigation of methane emissions from livestock

Draft FAO LEAP Report

Public Review

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting
Commitments and next steps

FAO LEAP will continue to help countries and livestock stakeholders to:

★ Achieve the Paris Agreement targets by providing evidence on sustainability of livestock;
★ Meet the ambitions of the Global Methane Pledge.
★ Support the UNFCCC’s Koronivia Joint Work Programme on Agriculture.
★ Advise FAO Committee on Agriculture, sub-committee on livestock.
Thank you

FAO LEAP Secretariat
E-mail: livestock-partnership@fao.org
Website: https://www.fao.org/partnerships/leap/en/

3rd - 7th October 2022, Dublin, Ireland | 12th Multi-Stakeholder Partnership Meeting