



## La filiera degli allevamenti: Il partenariato LEAP

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## Razionale

- Mancanza di metodologie e di dati completi e dettagliati sulle prestazioni ambientali...
- ... conduce a false dichiarazioni e distrae dal bisogno di migliorare le prestazioni ambientali

Necessità di metodologie e di dati:

**“You manage what you measure”**

## Razionale

Particolarità del settore degli allevamenti richiedono attenzione:

- Processi naturali difficili da controllare e da misurare
- Interazioni colture-allevamenti
- Filiere lunghe e diversificate
- Prodotti multipli
- Molti stakeholders



# Rationale - Esempio

## Etichettatura ambientale, Picard

Ratatouille bio 600g (59837)			
	RECHAUFFEMENT CLIMATIQUE	POLLUTION AQUATIQUE	BIODIVERSITE
Note	kg éq. CO2	kg éq. P (E-06)*	m <sup>2</sup> année
A	<0,16	<26	<0,15
B	<b>0,24</b>	<b>39</b>	<b>0,20</b>
C	entre 0,33 et 0,49	entre 51 et 77	entre 0,29 et 0,44
D	entre 0,49 et 0,65	entre 77 et 102	entre 0,44 et 0,59
E	entre 0,65 et 0,82	entre 102 et 128	entre 0,59 et 0,74
F	entre 0,82 et 0,98	entre 128 et 153	entre 0,74 et 0,88
G	>0,98	>153	>0,88

Impact croissant ↓

(\*) Kg équivalent Phosphore, exprimé en puissance 10 exposant (-6)



Faible impact | Quel impact sur ma planète ? | Fort impact



## Razionale



Food and Agriculture Organization  
of the United Nations

- Obiettivo strategico 2: rendere l'agricoltura, la silvicoltura e la pesca più produttivi e sostenibili
- Necessità di partenariati multi-stakeholder

# Il partenariato LEAP

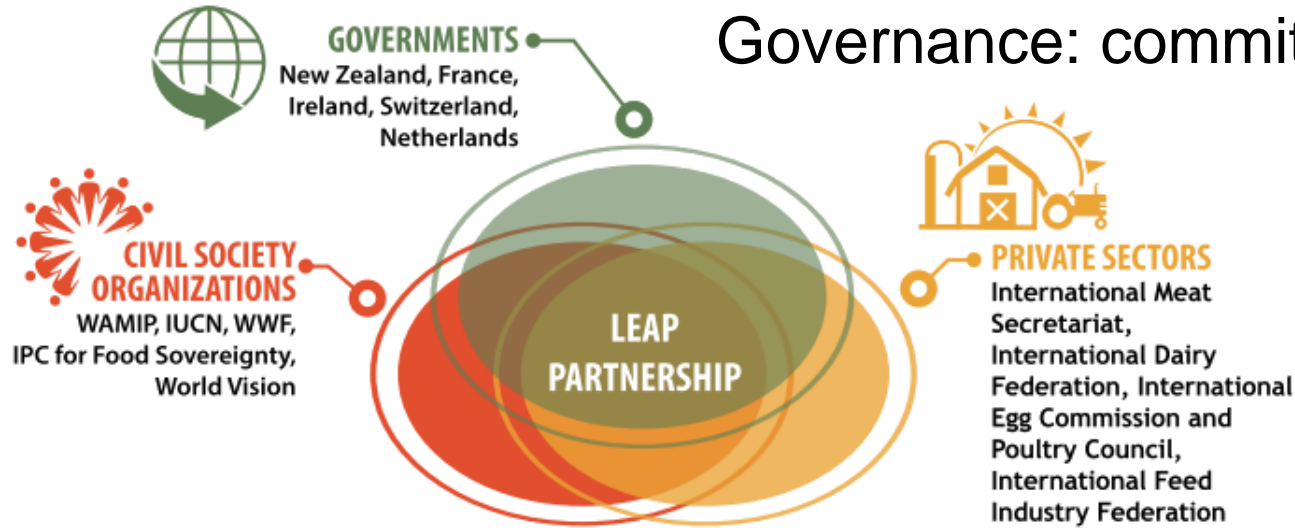


## Specificità di LEAP

- Si concentra sulla filiera degli allevamenti
- Si concentra sui metodi e sulle metriche
- Basato sul concetto di ciclo di vita
- Riguarda diverse componenti ambientali: emissioni di GHG, biodiversità, nutrienti, acqua...

**Principio chiave:** metriche comuni, “evidenced-based” e concordate tra le parti interessate, per migliorare la sostenibilità del settore

# Come funziona LEAP?



Governance: **commitato direttivo**

Partecipazione: **aperta e volontaria**

Segretariato

**Leap**  
LIVESTOCK ENVIRONMENTAL ASSESSMENT AND PERFORMANCE PARTNERSHIP  
Viale delle Terme di Caracalla  
00187 Rome, Italy  
Tel. +39 06 7056594  
Livestock-Partnership@fao.org  
www.fao.org/partnership/leap

Please, send a signed copy of this document to the e-mail address: [livestock-partnership@fao.org](mailto:livestock-partnership@fao.org) or to fax number: +39 06 57053057

**LEAP PARTNERSHIP COMMITMENT**

I \_\_\_\_\_<sup>1</sup> on behalf of \_\_\_\_\_<sup>2</sup> commit to participate in the Livestock Environmental Assessment and Performance (LEAP) Partnership.

The aim of the LEAP Partnership work program is to develop methodologies and guidance for measuring the environmental footprint of livestock supply chains and to communicate this work effectively to livestock stakeholders to support the overall goal of "improved environmental performance of the livestock sector, while considering economic and social viability".

\_\_\_\_\_<sup>2</sup> is also committed to improving the environmental performance of the livestock sector and in the development of science-based, transparent, and relevant metrics for understanding and improving the environmental performance of livestock supply chains.

I understand that the LEAP Partnership is based on the principles of equity and balance of





# Partecipanti

## Nuovi partecipanti:

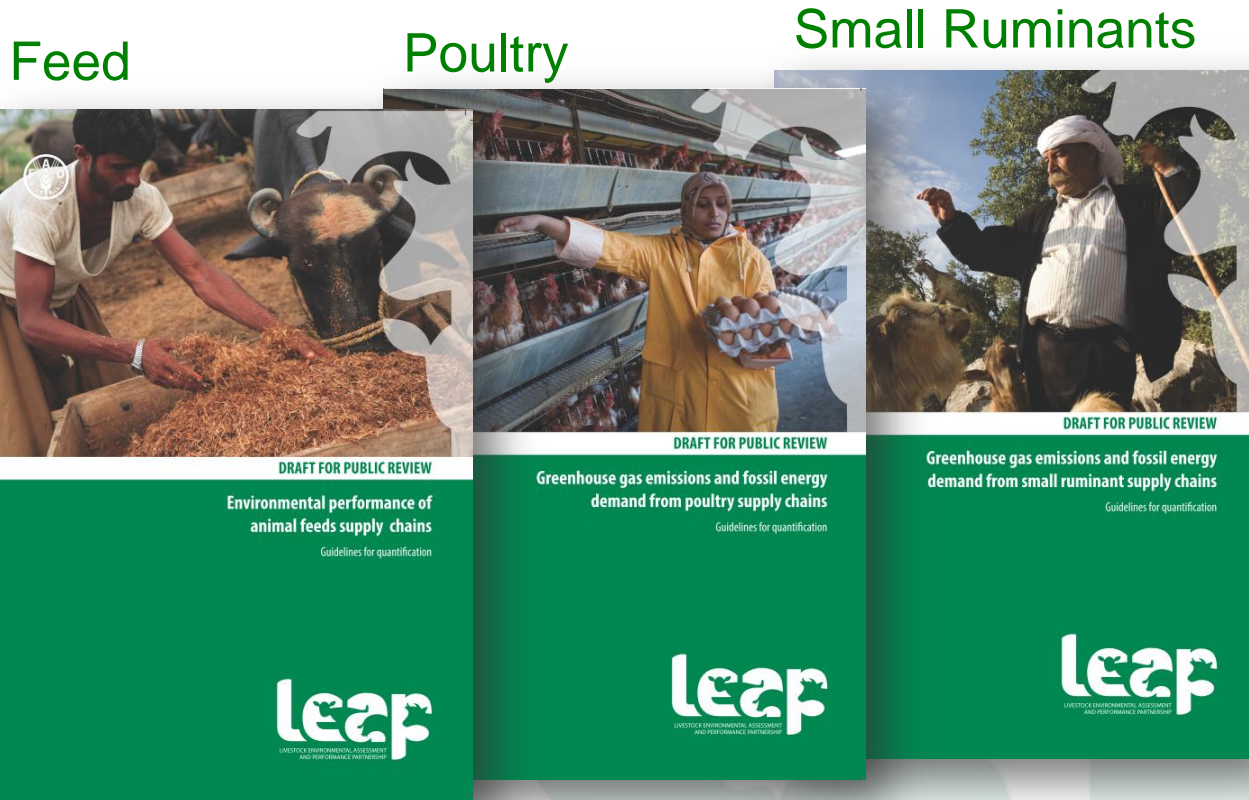


MINISTERO DELL'AMBIENTE  
E DELLA TUTELA DEL TERRITORIO E DEL MARE



## Attività - 1. Linee guide per la valutazione ambientale

- Sviluppate da gruppi di esperti internazionali
- Linee guide specifiche per 3 settori (lanciate nel Marzo 2014)
- Obiettivo: armonizzare la misura delle prestazioni ambientali (emissioni di GHG) nelle filiere dell'allevamento



## Attività - 1. Linee guide per la valutazione ambientale

### Attività in corso

- Linee guide specifiche per il settore dei grandi ruminanti
- Principi per la valutazione della biodiversità



# Attività - 2. Database delle emissioni di GHG dai mangimi

Prima versione:

- Mais
- Soia
- Grano
- Orzo
- Manioca

Crop:

RegionType:


Region:

Country:

Agro Ecological Zone:

Production System:

Production Practice:



### Life Cycle Inventory (LCI)

Seed rate	1851.3	kg / ha
Organic fertilizer	5778.2	kg N / ha
Artificial fertilizer	2311.3	kg N / ha
Urea	0.034	- AN 0.13 -
Nitrate sol.	0.227	- CAN 0.22 -
NPK	0.132	- AP 0.15 -
Anh. NH <sub>4</sub>	0.062	- AS 0.05 -
Lime	577.8	kg / ha
Phosphorous	1155.6	kg / ha
Pesticides	11556.4	kg AI / ha

		Mech	Oxen	Manual
Ploughing	1 # / yr	0.2	0.8	0
Seedbed preparation	1 # / yr	0.2	0.8	0
Seeding	1 # / yr	0.2	0.8	0
Organic fert. Application	1 # / yr	0.2	0.8	0
Synthetic fert. Application	1 # / yr	0.2	0.8	0
Pesticide spraying	2 # / yr	0.2	0.8	0
Weeding	1 # / yr	0.2	0.8	0
Irrigation	3 # / yr	0.2	0.8	0
Harvesting	1 # / yr	0.2	0.8	0

Yield:  kg DM / ha

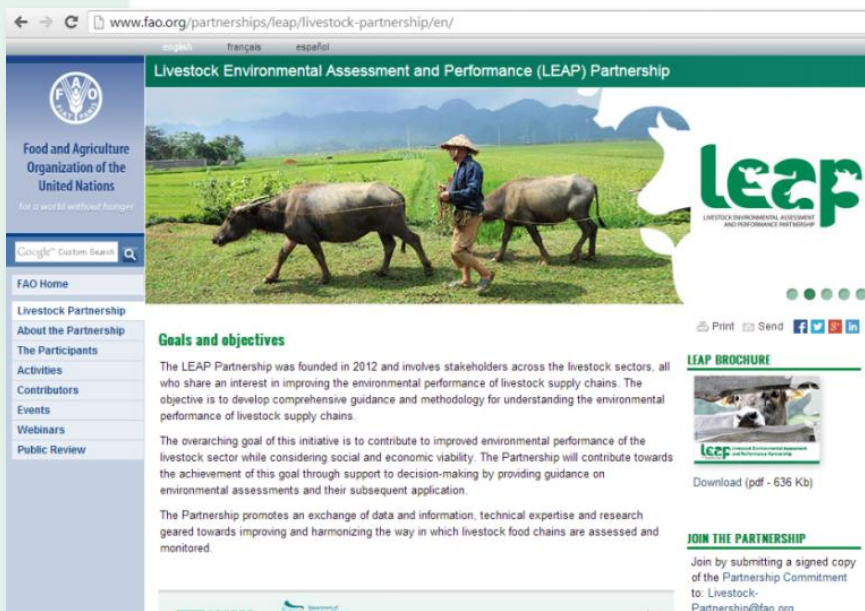
### GLEAM output

Seed	<input type="text" value="37.03"/>	kg CO <sub>2</sub> -eq / kg DM
Organic fertilisation	<input type="text" value="196.46"/>	kg CO <sub>2</sub> -eq / kg DM
Synthetic fertilisation	<input type="text" value="1178.75"/>	kg CO <sub>2</sub> -eq / kg DM
Energy use	<input type="text" value="61.63"/>	kg CO <sub>2</sub> -eq / kg DM
Crop protection	<input type="text" value="177.72"/>	kg CO <sub>2</sub> -eq / kg DM
Land work	<input type="text" value="318.96"/>	kg CO <sub>2</sub> -eq / kg DM
Total excl. LU/LUC	<input type="text" value="1970.55"/>	kg CO <sub>2</sub> -eq / kg DM
Land use	<input type="text" value="0.22"/>	kg CO <sub>2</sub> -eq / kg DM
Land use change	<input type="text" value="0.24"/>	kg CO <sub>2</sub> -eq / kg DM

## Attività - 3. Comunicazione

Migliorare la comunicazione sulla sostenibilità e sul miglioramento delle prestazioni ambientali

- Garantire l'ampio utilizzo dei prodotti (linee guide, database)
- Coordinarsi con le iniziative dei partners
- Allargare il partenariato



The screenshot shows the website for the Livestock Environmental Assessment and Performance (LEAP) Partnership. The page features a navigation menu on the left with links to 'FAO Home', 'Livestock Partnership', 'About the Partnership', 'The Participants', 'Activities', 'Contributors', 'Events', 'Webinars', and 'Public Review'. The main content area includes a header with the FAO logo and the text 'Food and Agriculture Organization of the United Nations for a world without hunger'. Below this is a search bar and a large image of a person herding water buffaloes in a green field. The 'Goals and objectives' section states that the LEAP Partnership was founded in 2012 and involves stakeholders across the livestock sectors, aiming to improve environmental performance through guidance and methodology. A 'LEAP BROCHURE' download link is provided, along with a 'JOIN THE PARTNERSHIP' section that encourages submission of a signed copy of the Partnership Commitment to [Livestock-Partnership@fao.org](mailto:Livestock-Partnership@fao.org).



The banner image features a close-up of a cow's face looking over a wooden fence. The LEAP logo is prominently displayed in the center, with the text 'Livestock Environmental Assessment and Performance Partnership' below it. The background is a soft-focus green field.

## Annual meeting

- Marzo 2014: lancio delle 3 prime linee guide
- Aprile 2015: lancio delle nuove linee guide (grandi ruminanti, biodiversità) e del database

2013

2014

2015





Grazie

Come partecipare?

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Felix.Teillard@fao.org

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