



GLOBAL AGENDA FOR SUSTAINABLE LIVESTOCK

Action Area

Waste to worth

hosting the

**Livestock and Manure Management Component
for reducing Short-lived Climate Pollutants
of the CCAC Agriculture Initiative**

The Manure Knowledge Kiosk

a CCAC funded project

Eddy Teenstra, Manager Manure Knowledge Kiosk



CLIMATE AND CLEAN AIR COALITION
TO REDUCE SHORT-LIVED CLIMATE POLLUTANTS



Objective: **Catalyze multi-stakeholder dialogue
into local practice change.**

Addresses three major areas:

1. food security and global health;
2. equity and poverty reduction;
3. and resources and climate



CCAC - Livestock and Manure Management Component

- Objective: Accelerate **practice change and innovation** in **integrated manure management** to **reduce SLCs** and to **support sustainable** livestock sector **development**



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Short-lived Climate Pollutants



ANTHROPOGENIC SOURCES

LIFETIME IN
ATMOSPHERE



Near term response to mitigation

IMPACTS / MITIGATION

**Black
Carbon (BC)**



Days



**Methane
(CH₄)**



12 years



**Tropospheric
Ozone (O₃)**



Weeks



**Hydrofluoro-
carbons (HFCs)**



15 years
(Weighted by
usage)





CCAC - Livestock and Manure Management Component

- Objective: Accelerate **practice change and innovation** in **integrated manure management** to **reduce SLCPs** and to **support sustainable** livestock sector **development**
- Tool: Manure Knowledge Kiosk
- Offer: Extensive support and technical services
(not exclusively CCAC)



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practice change



integrated manure management



reduce SLCPs
(methane)



practice change





Agriculture
Initiative



Livestock and Manure
Management component



Manure Knowledge Kiosk (MKK)

Three Action Areas (currently)



Closing the Efficiency Gap



Restoring Value to Grasslands



Waste to Worth



Improved Manure
Management



Today...

Action Area
Waste to worth



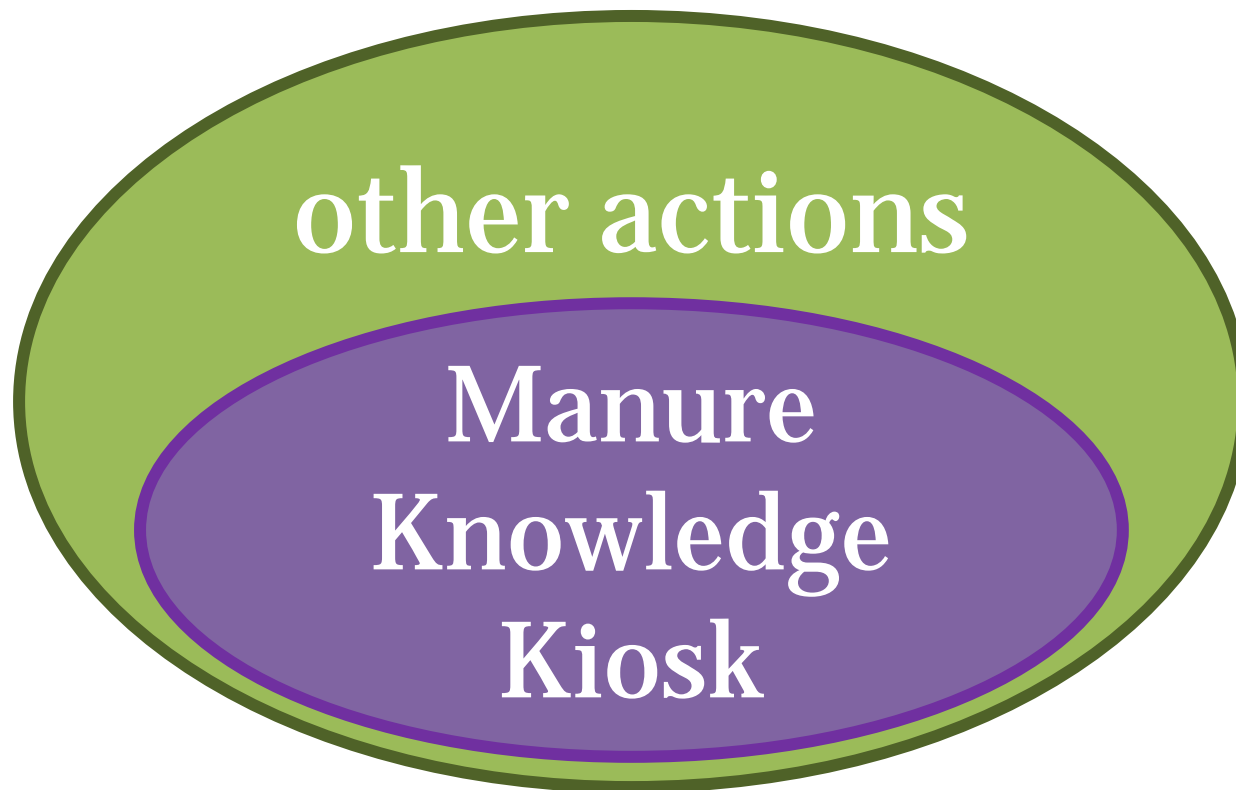
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Today...

Manure Knowledge Kiosk



“Tomorrow” ...



LMMC implementers

- Wageningen UR Livestock Research
- U.N. Food and Agriculture Organization (FAO)
- Centro Agronómico Tropical de Investigación y Enseñanza (CATIE)
(Tropical Agricultural Research and Higher Education Center)
- Stockholm Environment Institute (SEI)
- International Livestock Research Institute (ILRI)



Objective Manure Knowledge Kiosk

Integrate manure management practices
into livestock systems...

Subject matter
knowledge

by managing and removing **barriers** to action...

Global assessm.
& OPCs #

with a view toward enhancing food security
and sustainable development

Precondition
for overall goal



Integrated Manure Management



Collection

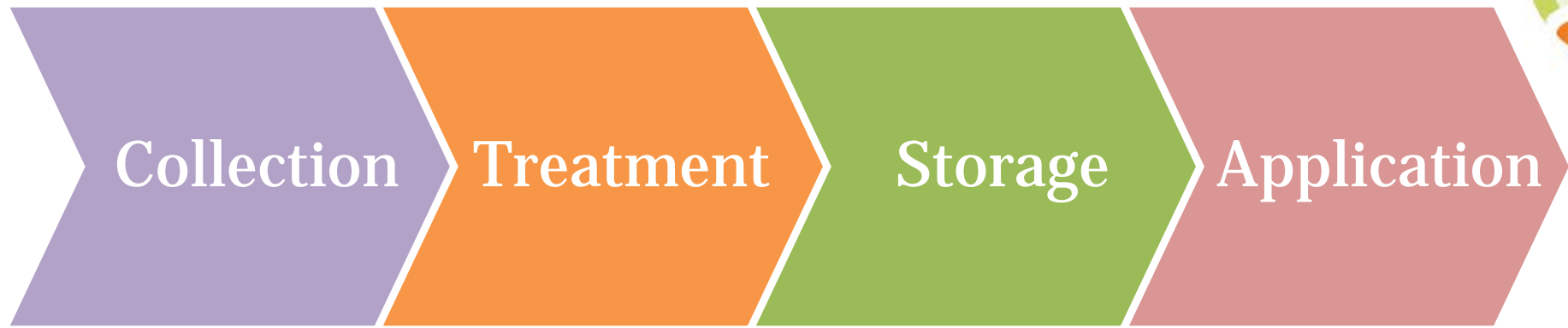
Storage

Application

- Great diversity; no single solution
- Taking into account local circumstances
 - Climate, scale, tradition, agricultural practices etc.
 - Increase efficiency / reduce emissions



Integrated Manure Management



- **Composting**
- **Drying**
- **Separating**
- **Anaerobic Digestion**
- ...

Manure Knowledge Kiosk

Web-based Knowledge Counter

🔑 one Front Door to:

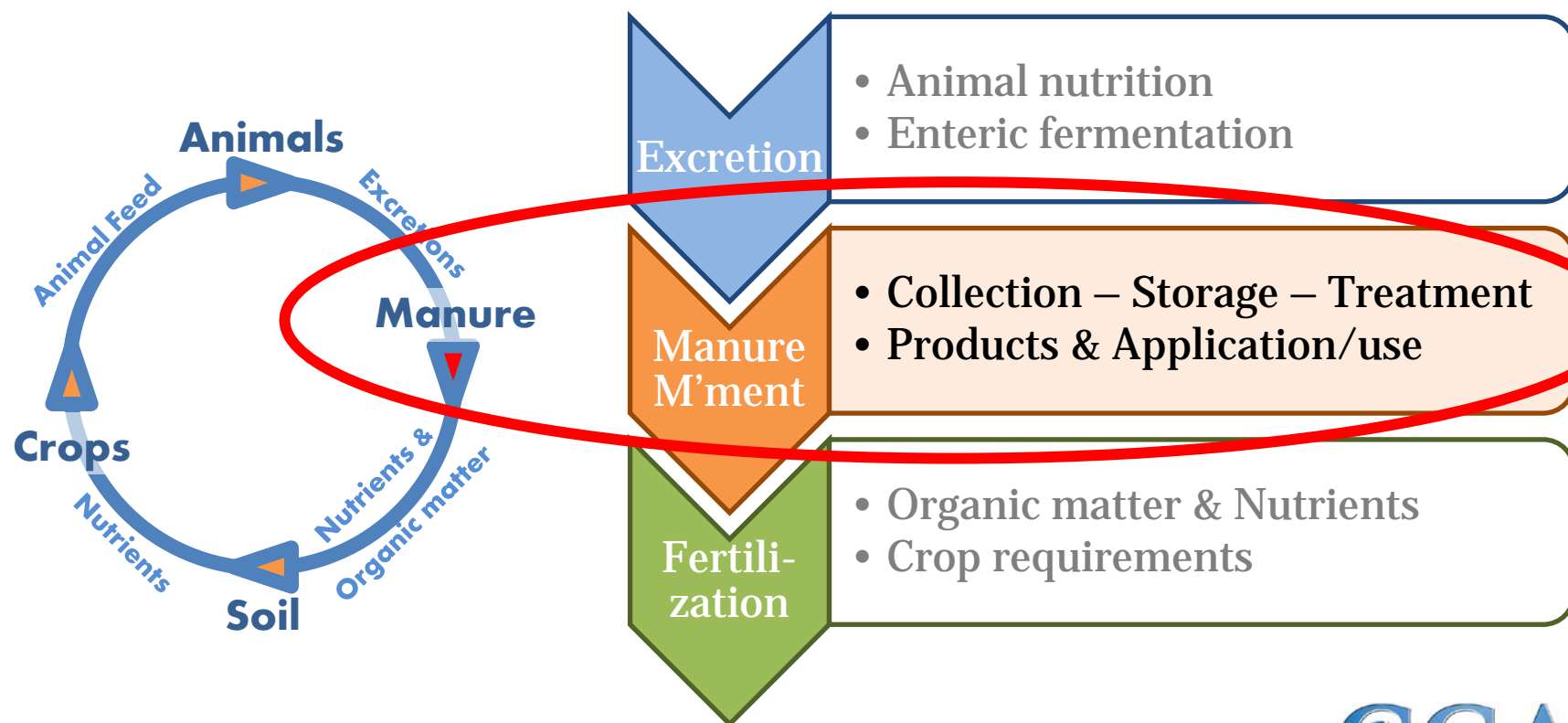
- Subject library
- Global overview of lessons learned
- Entry to Livestock GEO wiki (Google Earth mapping)
- E-market for service and assistance (Roster of Experts)
- List of Opportunities for Practice Change

www.manurekiosk.org

Under
construction



Scope Manure Knowledge Kiosk





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SUSTAINABLE LIVESTOCK

**Thank you for your
attention**

**more information in the presentation space,
session D, 6:30 pm today**

www.livestockdialogue.org