# CLEANED: a rapid, ex-ante, environmental assessment approach for inclusive livestock value chain development







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## Objective

Create an entry point for environmental trade-off negotiations in value chains

# Local context analysis:

- 1. Secondary bio-physical data
- 2. Participatory mapping exercise for local livestock system definition (feed, manure...)

#### The CLEANED multi-stakeholder approach Learning process Local context facilitation for analysis of the On going equitable sociovalue chain **Environment**decision ecological innovation making al trade-off system process learning space through innovation platform Environmental tool development for facilitation of the learning space

# The CLEANED Environmental simulation tool

User defined scenarios livestock systems, feed, manure, ...

Secondary data

Local expert knowledge

### Simulation tool

- Livestock energy requirement
- 2. Computation of required production area
- 3. Impact computation for 4 environmental dimensions

Water intensity

GHG emissions

Habitat loss

Nitrogen balance

# The learning process

Stakeholders in a workshop use the environmental impact assessment for different scenarios to negotiate a future considering trade-offs and synergies.

## **Expected output**

Approach is tested and monitored in Tanzania, Burkina Faso, Ethiopia, Nicaragua and Tanzania. Value chain development in the study areas is more sustainable & inclusive

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