

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



Catherine Pfeifer (ILRI), An Notenbaert (CIAT), Mats Lannerstad, Joanne Morris (SEI), Birthe Paul (CIAT), Celine Birnholz (CIAT) and Ylva Ran (SEI)

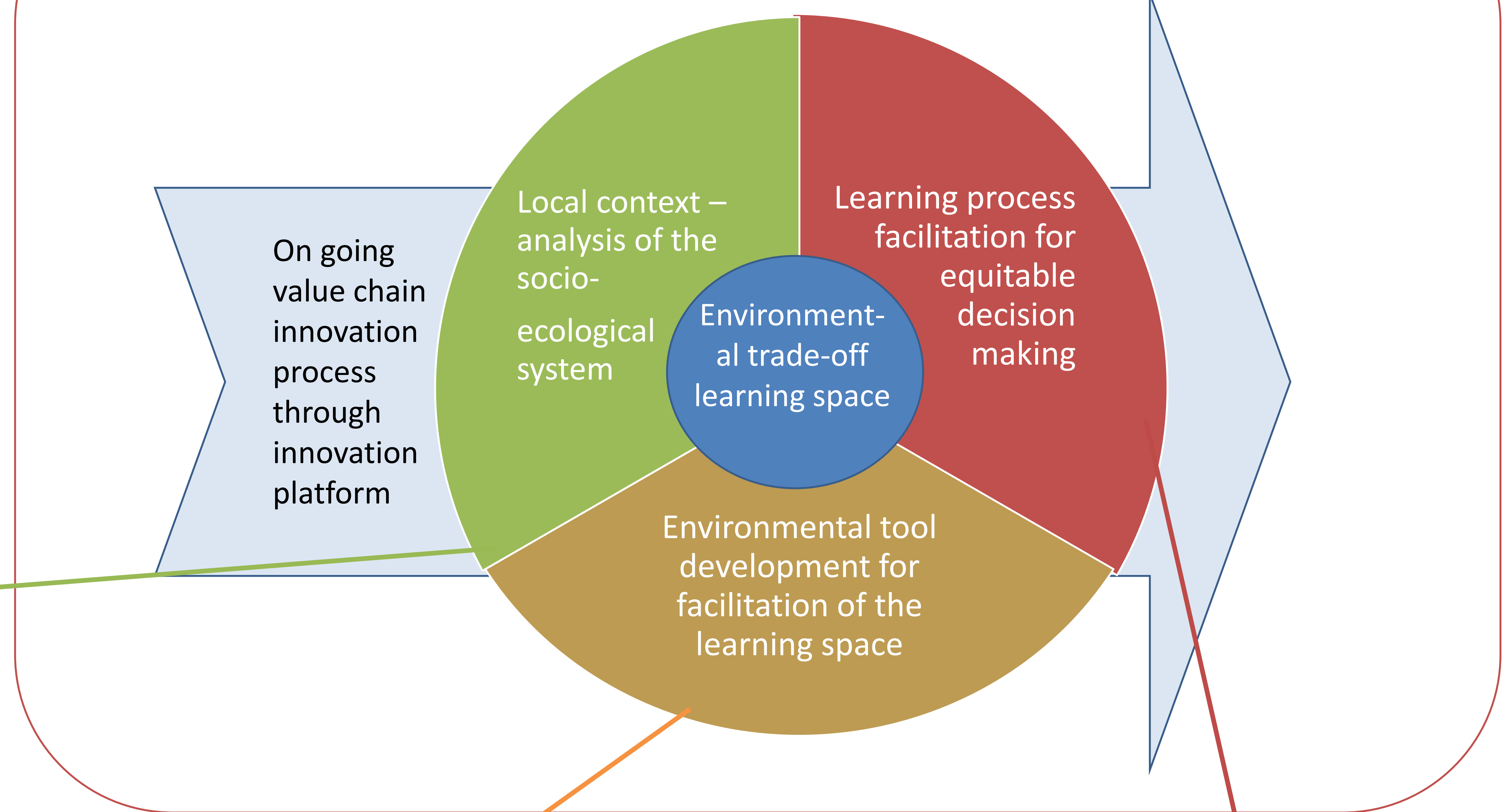
## Objective

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



## The CLEANED Environmental simulation tool

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

Secondary data

### Simulation tool

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

Local expert knowledge

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

ILRI thanks all donors and organizations which globally support its work through their contributions to the [CGIAR system](#)