

Focus Area 2 / Global Agenda for Sustainable Livestock

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Cattle Ranching in the Rainforest The Brazilian Amazon Case Study

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Case overview

- Started with the colonization of the Amazon in the 60s
- Cattle ranching = a main driver of the colonization
 - Slash & Burn + one annual crop + pasture
 - Landownership strategy: pasture is a tool for land appropriation
 - ⇒ 75% of deforested area = pasture (1mio km²)
 - ⇒ Cattle ranching based on deforestation
- Great interest for pioneers for cattle ranching
 - “Cattle ranching is money” / Providence state of the pioneers
 - Low income but secure income, savings,
 - Flexibility of the management
- Livestock network is the base of local development
 - Low demographic density (4-5 bovines/habitant)
 - Traders, Slaughterhouse, dairy factories, leather industries, ...



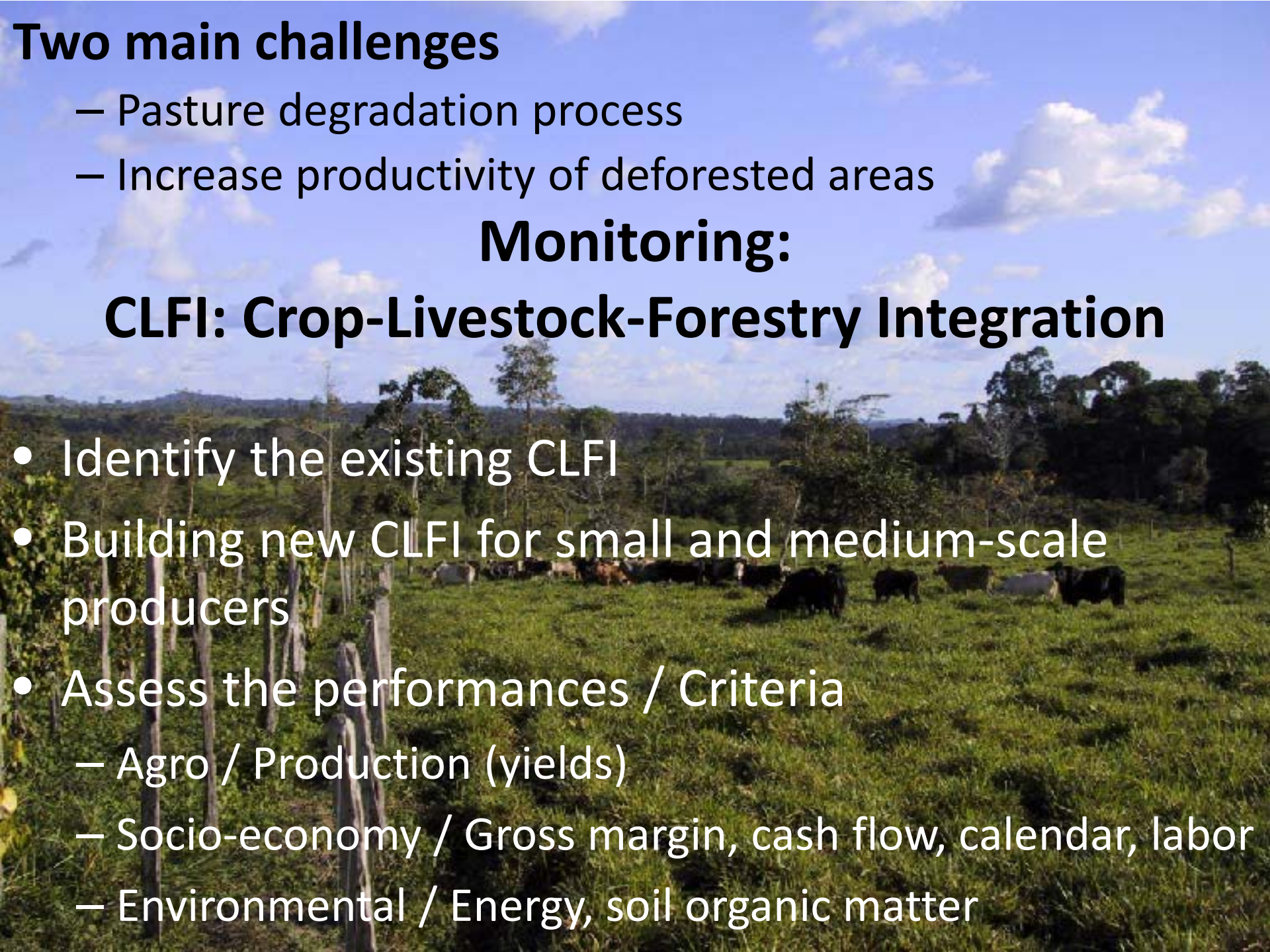
Two main challenges

- Pasture degradation process
- Increase productivity of deforested areas

Monitoring:

CLFI: Crop-Livestock-Forestry Integration

- Identify the existing CLFI
- Building new CLFI for small and medium-scale producers
- Assess the performances / Criteria
 - Agro / Production (yields)
 - Socio-economy / Gross margin, cash flow, calendar, labor
 - Environmental / Energy, soil organic matter





Plantation of trees



Seeding and annual crop



Seeding forage or 2nd crop



Evaluation

- Agronomic
 - Better yields and gross margin (+)
 - Inputs (-)
 - Animal well-being (+)
- Environment:
 - Reducing deforestation (+++)
 - Carbone sequestration (++)
- Economy
 - Depend on the initial situation
 - Diversification (+)
 - Flexibility (-)
- Social
 - Easier to work (+)
 - Less accidents, especially during slash (+)
 - Self-esteem at individual and community scale (+)
 - Knowledge, work organization, farm management
- National policies (+)

Lessons

- Complexity in terms of:
 - Planning of the activities
 - Work management
 - Knowledge
 - Cash flow management along the year
- Collective initiative
 - Reduce the risk, ex: fire regulation
 - Market access for inputs and productions
 - Qualified labor/workers ⇔ capacity building
- Pasture management more complicated
- According to the scale of the farm
- Local stakeholders don't want add value to pasture



Thank you / Obrigado