

# Does excluding women undermine the resilience of communal grazing land?

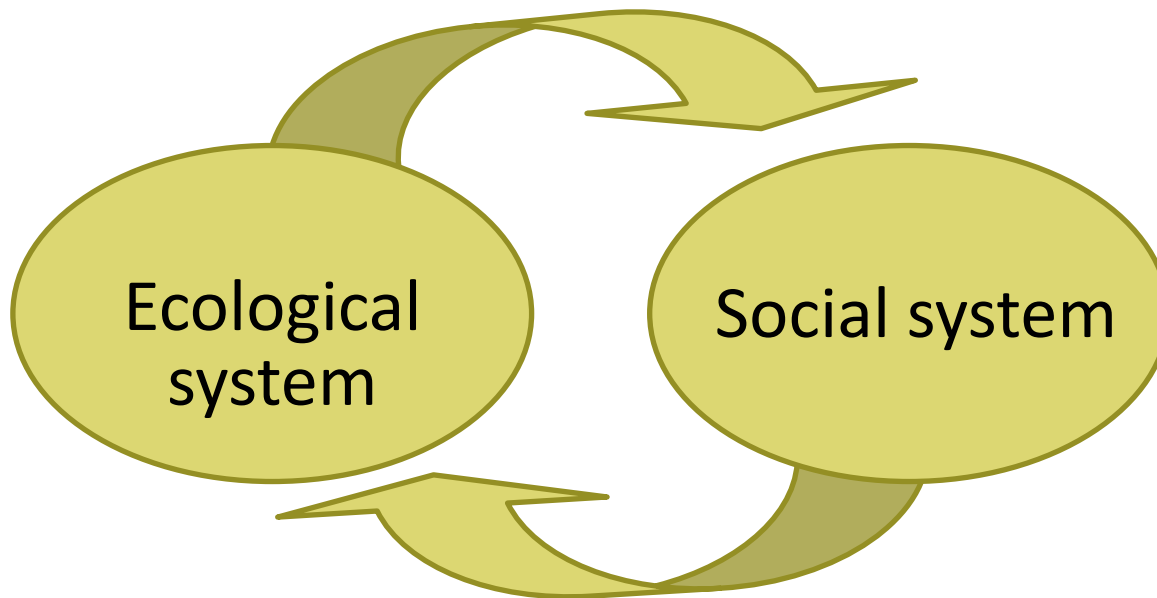
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# Social-ecological system

Reflect on human impact on ecosystem

Ensure the sustainable flow ecosystem services



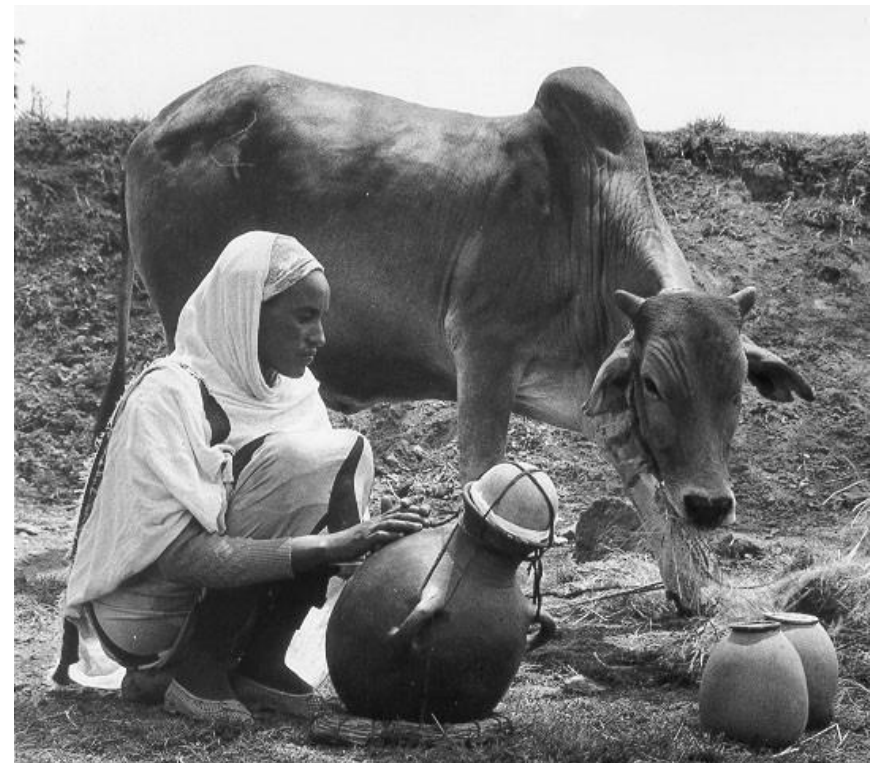
# Social-ecological resilience

Adaptability to political changes, climate change, ...  
Builds on: integrative social learning, legitimacy



# Gender dimension

Need to integrate different interests and knowledges





# Study area and methods

Ethiopian highlands (2300 m asl), one community  
Participatory approaches



# Informal institution

Management committee (men only!)  
Traditional 'Father of herders'





# Suboptimal use of resources



Protein-rich plants for oxen rather than cows,  
even outside plowing season





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# Rules are undermined

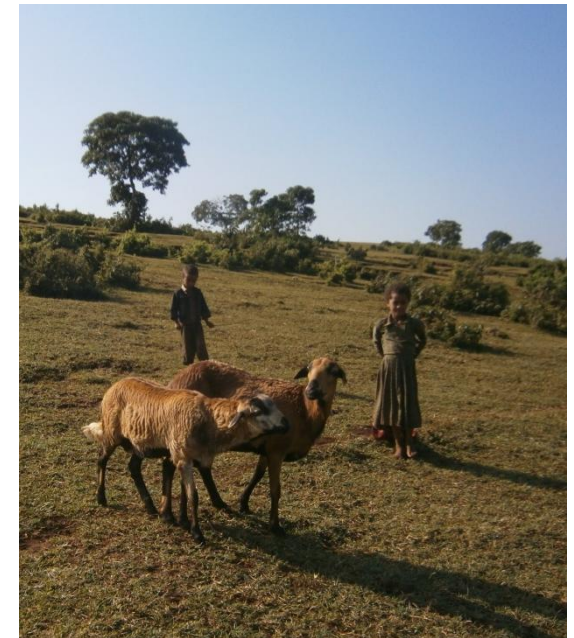
Women need grass for '*Sifet*'

Have to steal it, as not allowed to harvest it



# Biased rules undermine the legitimacy of informal institutions

The rules questioned by poor (women)  
Experts: to replace rotational grazing-cut & carry





# Gender as a dimension of ‘social’ needs to be part of social-ecological resilience

- To enhance the diversity of information
- To enable the integration of knowledge
- To enhance adaptive capacity
- To allow social learning and innovation
- To ensure gender equality and social justice





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Looking forward to your questions & comments

Lemlem Aregu

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