

Comparing climate change adaptation and mitigation networks in the land use sector in Brazil: enabling factors for policy integration

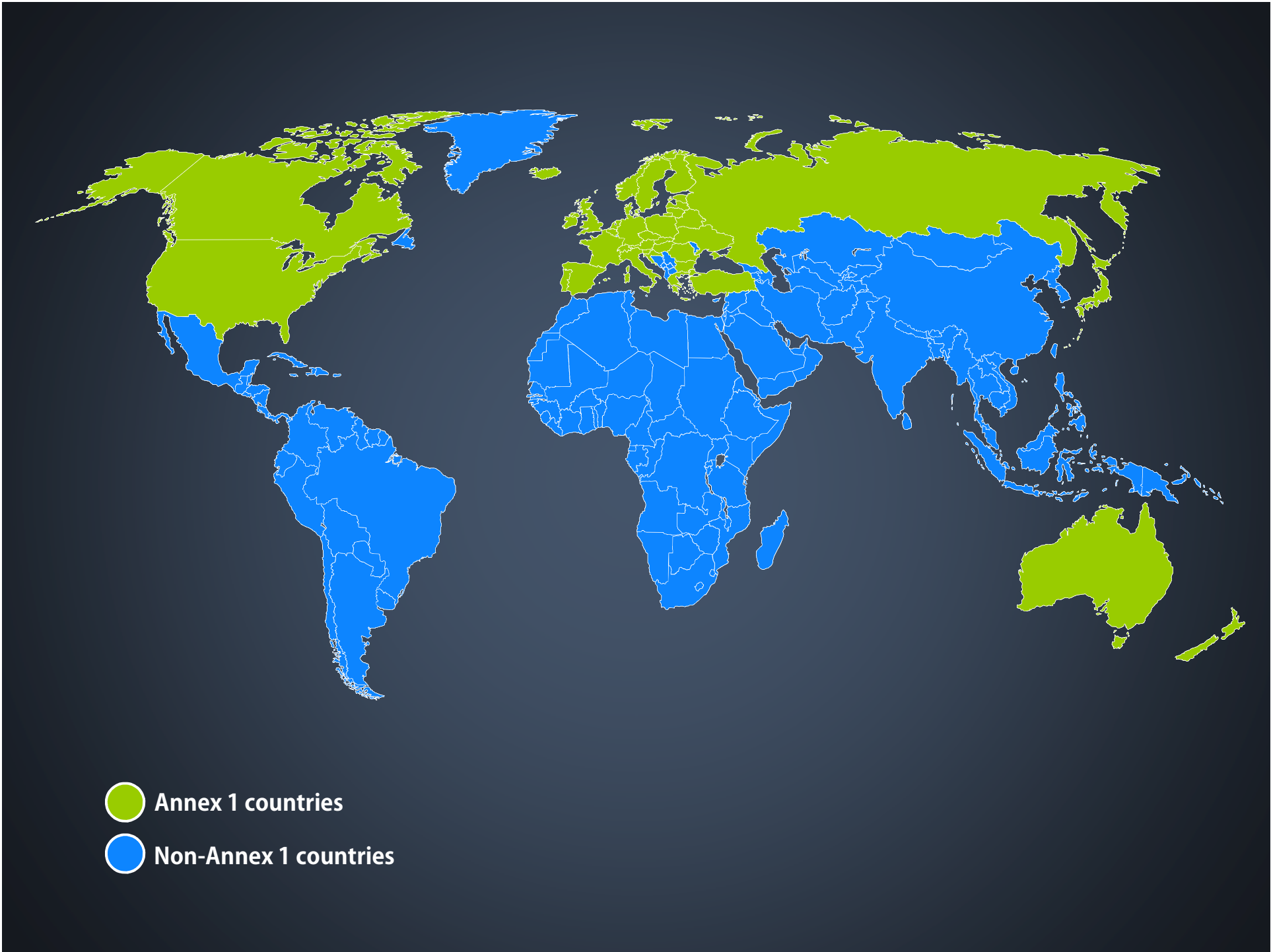
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1. More effectiveness



2. Better outcomes



3. Learning process



4. Better resources allocation

Objective

Investigate the **interactions of policy actors on synergies** between mitigation and adaptation

Assess the **level of integration** of these two climate change policy networks

Methods

Data Collection



Interviews

182 target actors
93 completed interviews

Federal
Brazil



N = 68

State
Mato Grosso



N = 9

Municipal
Alta Floresta
and Sinop

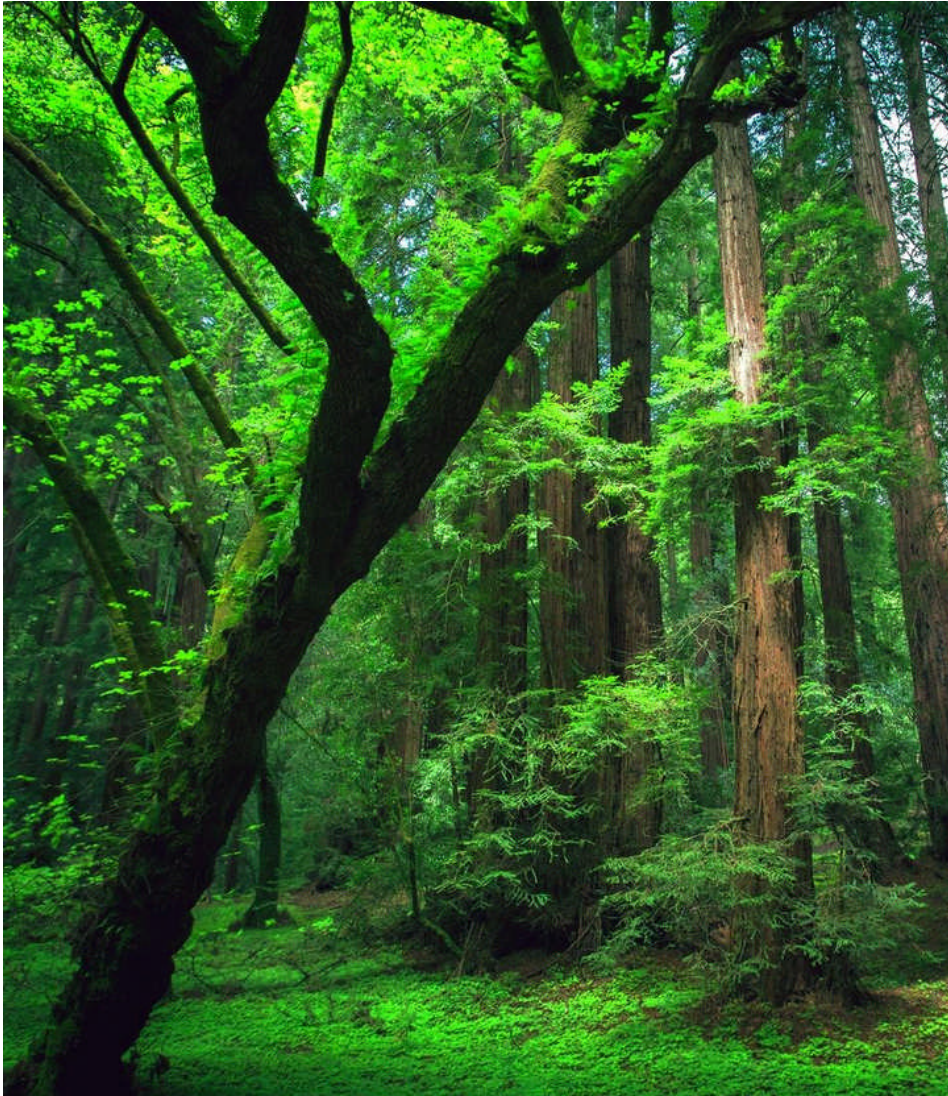


N = 16



Networks

**Information Exchange
and Collaboration**



Forest



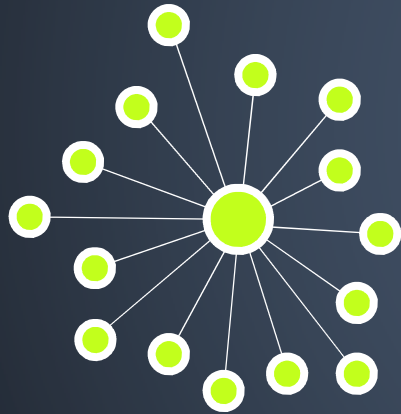
**Agriculture and
Livestock**

Methods

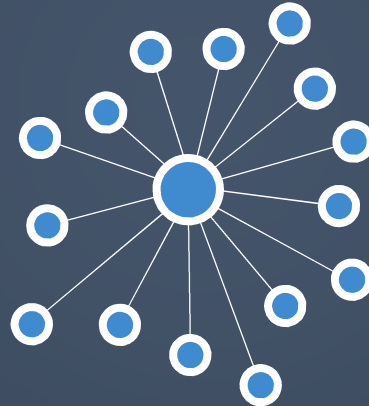
Analysis

Interactions amongst

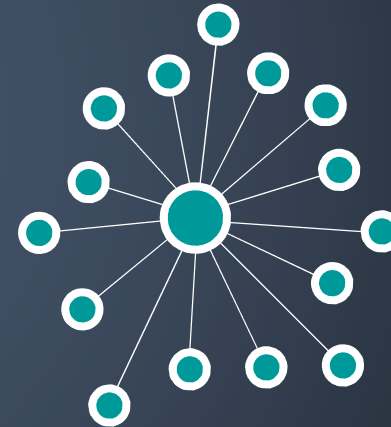
**Adaptation
Network**



**Mitigation
Network**



**Integrated
Networks**



Brokers

Domains



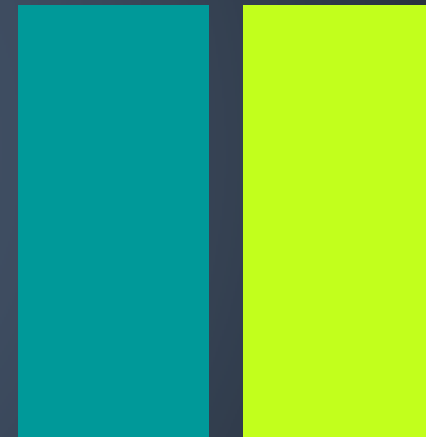
**Mitigation
Adaptation and**

Levels



**Federal, State
and Municipal**

Focus



**Forest and
Other Land Use**

Results

Mitigation, Adaptation and Integrated
Global Networks Structures

Network	% actors that exchange M and A	No. of Ties	No. of Comp.	Isolates	Central.	Density	Avg. Degree
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INFORMATION

Mitigation	97.85	1272	12	0	0.48	0.15	13.77
Adaptation		1097	10	0	0.48	0.13	11.80
Integrated approaches	94.6	648	32	0	0.53	0.08	6.97

COLLABORATION

Mitigation	97.85	880	16	0	0.45	0.10	9.46
Adaptation		702	24	0	0.32	0.08	7.55
Integrated approaches	97.85	405	41	0	0.36	0.05	4.35

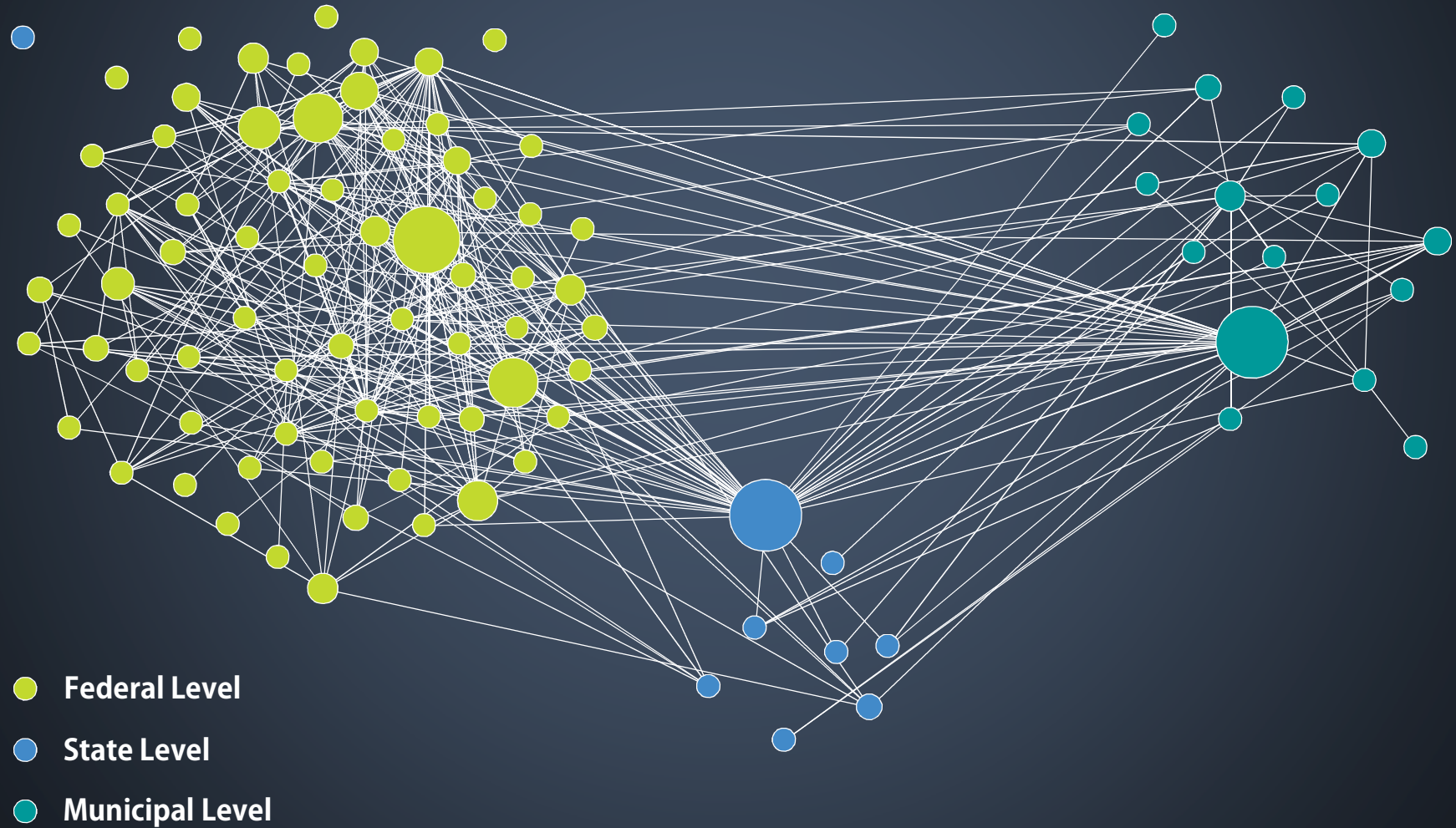
Network	% actors that exchange M and A	No. of Ties	No. of Comp.	Isolates	Central.	Density	Avg. Degree
INFORMATION							
Combined M and A	97.85	1272	21	0	0.23	0.10	9.13
Integrated M and A	94.6	648	32	0	0.18	0.08	6.97
COLLABORATION							
Combined M and A	97.85	880	32	0	0.15	0.06	5.63
Integrated M and A	97.85	405	41	0	0.13	0.05	4.35

Results

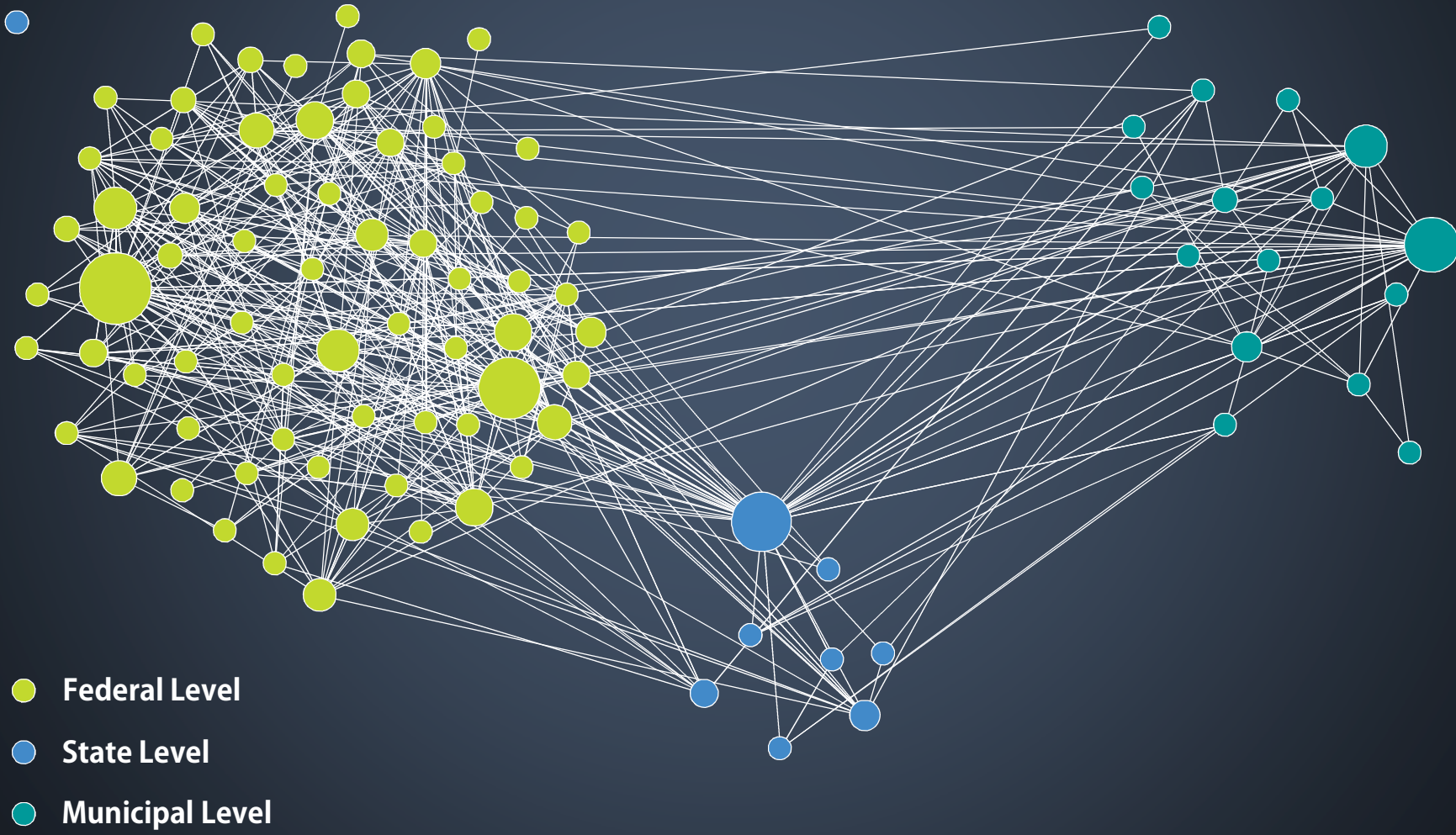
Cross-interactions

Mitigation and Adaptation

Information Exchange



Collaboration

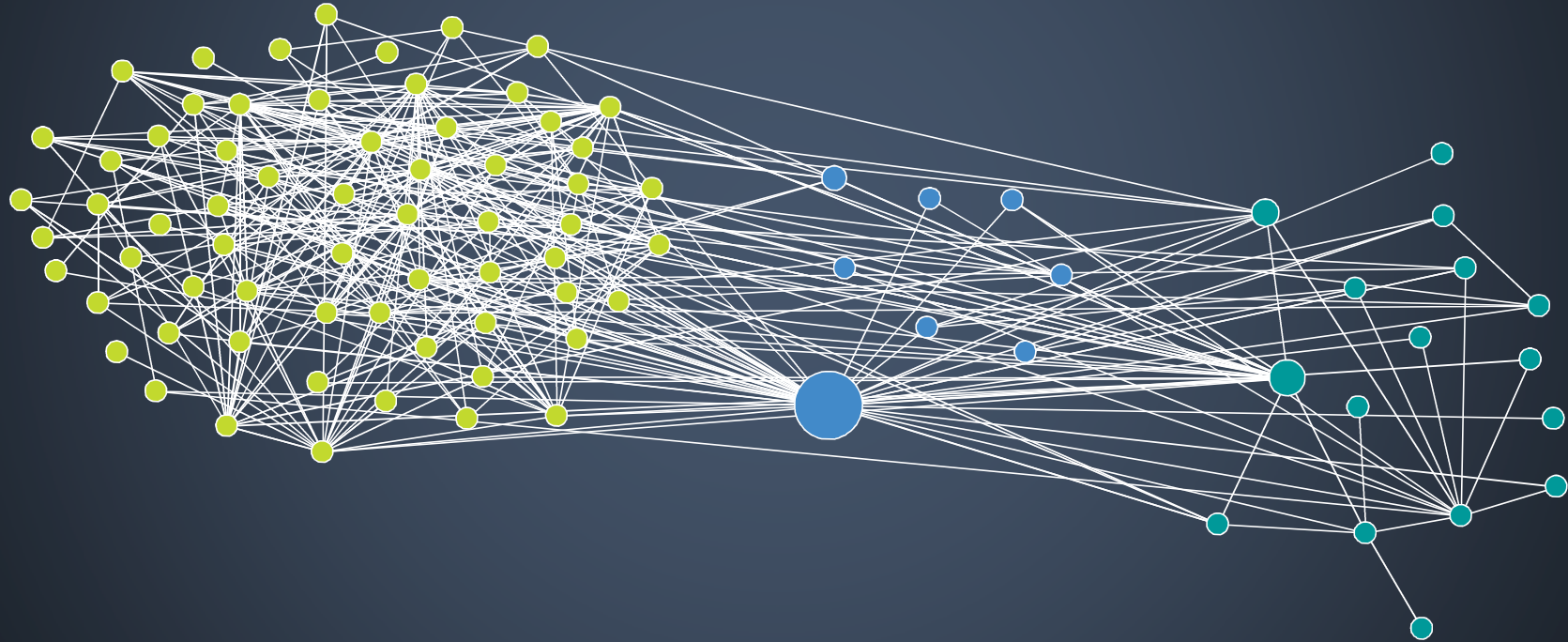


Results

Cross interactions

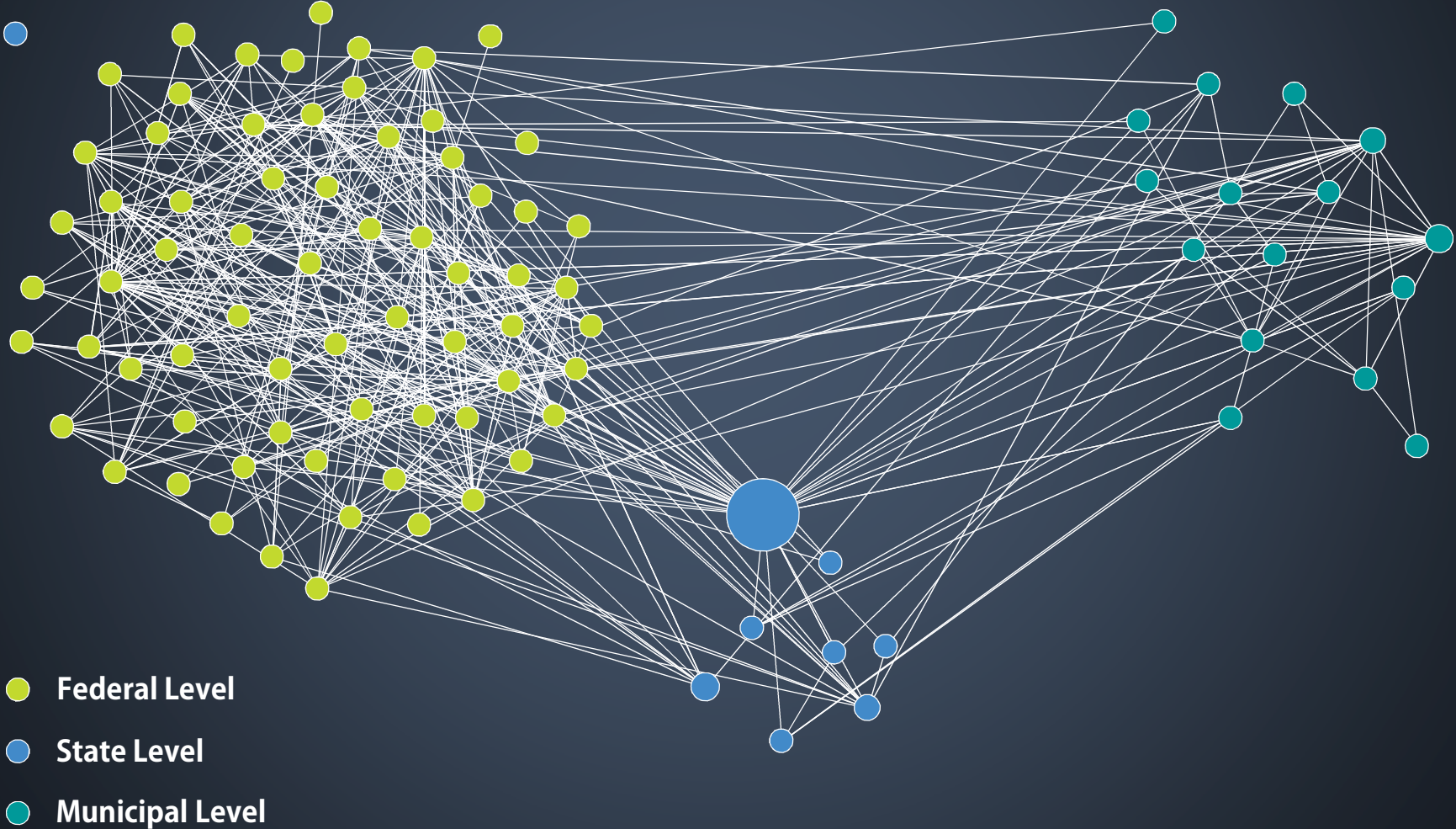
Levels (Federal, State and Municipal)

Information Exchange



- Federal Level
- State Level
- Municipal Level

Collaboration

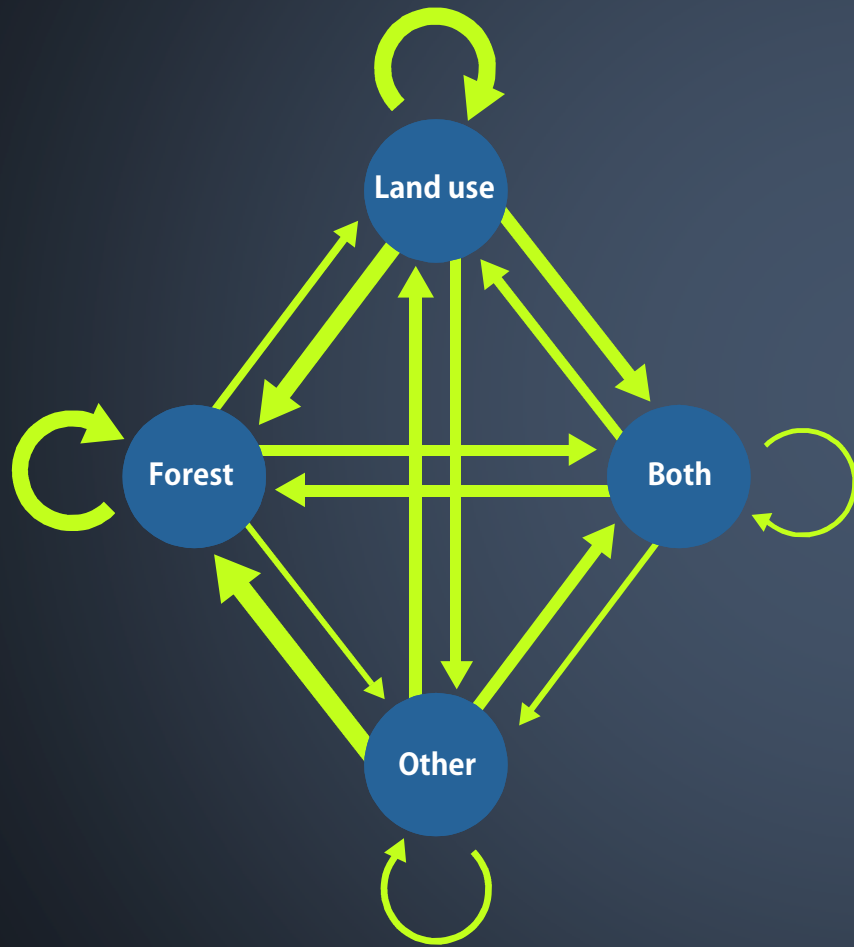


Results

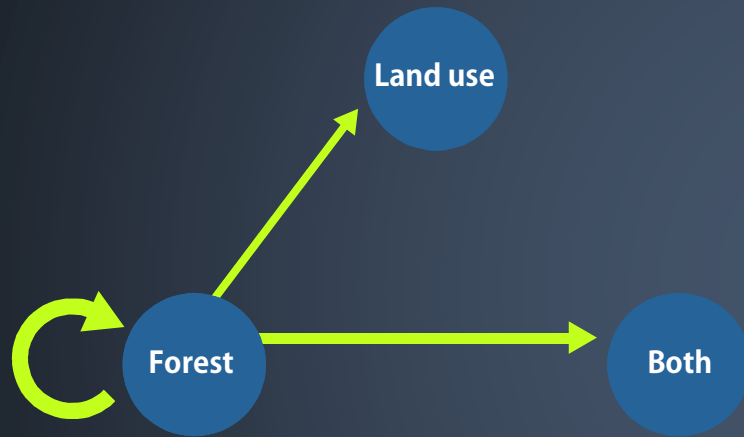
Cross interactions

Forest and **Land Use Focus**

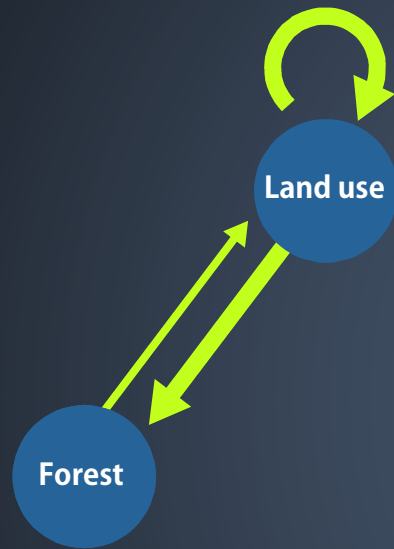
Information Exchange



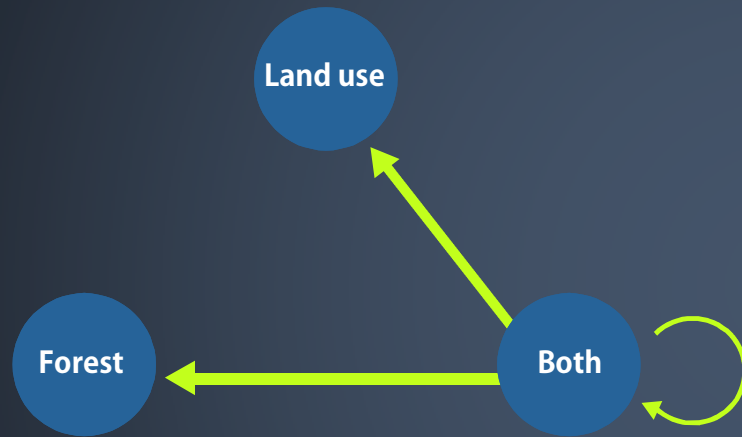
Information Exchange



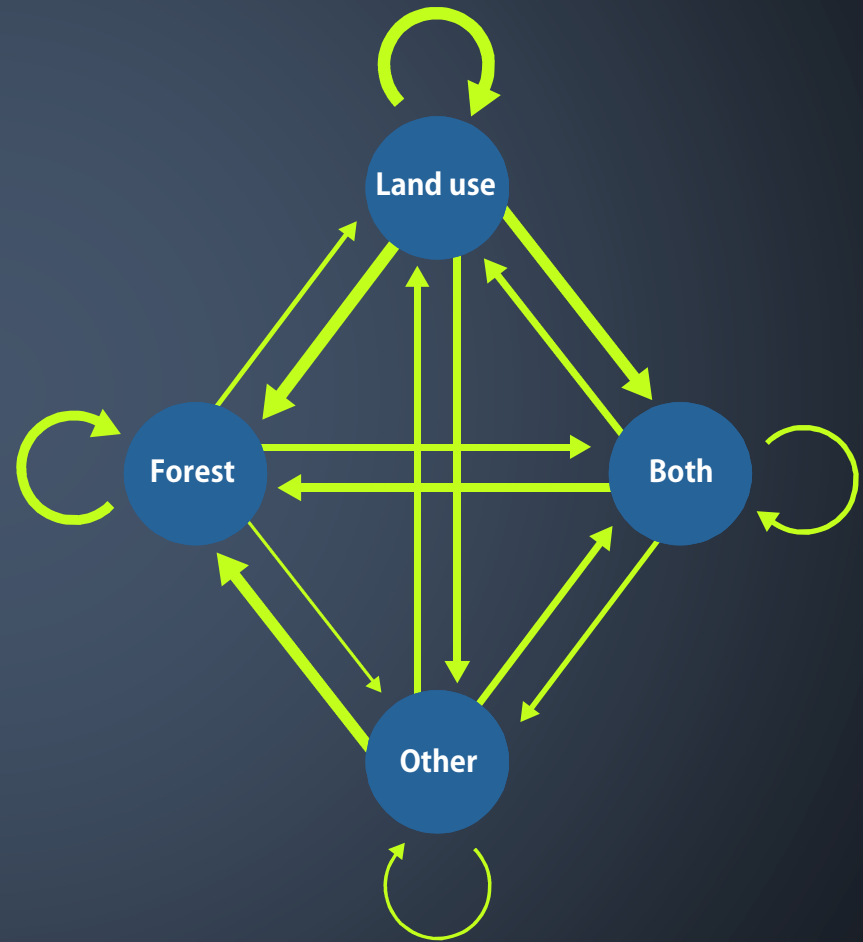
Information Exchange



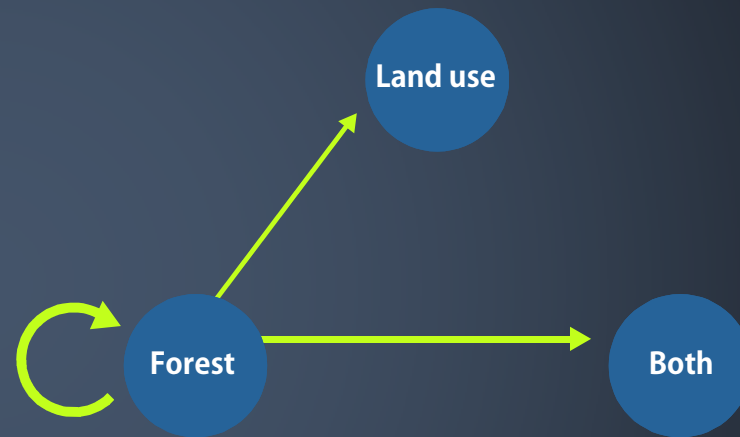
Information Exchange



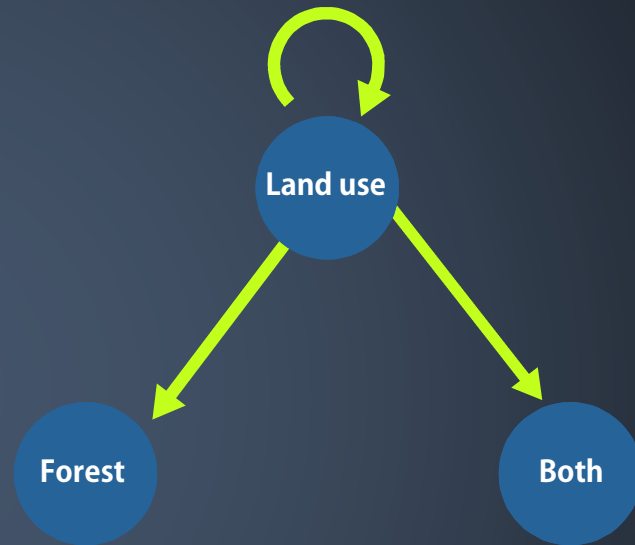
Collaboration



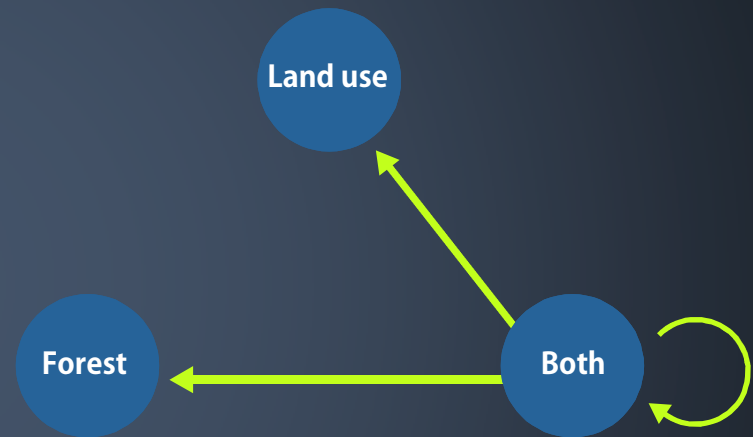
Collaboration



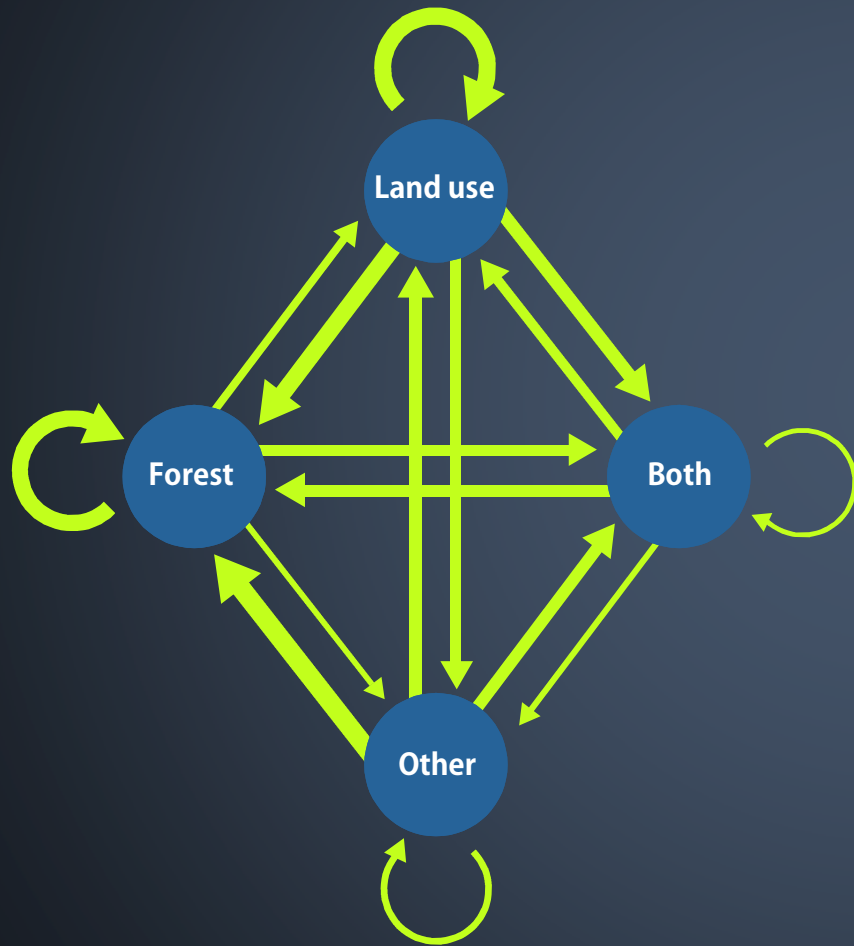
Collaboration



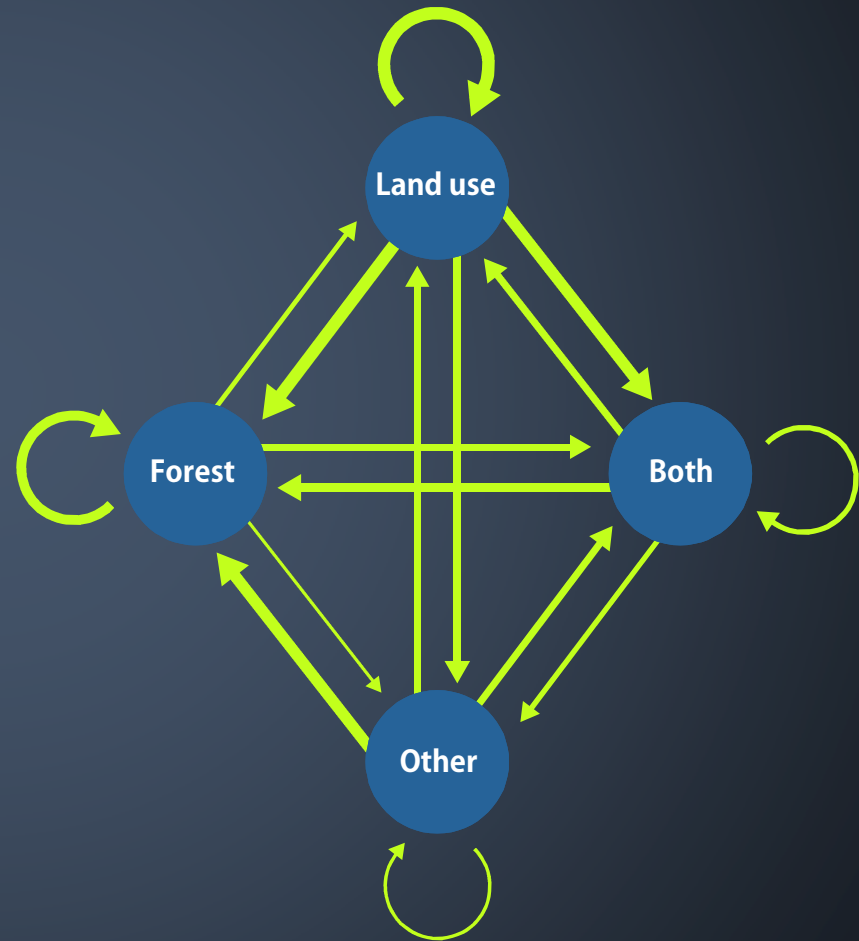
Collaboration



Information Exchange



Colaboration



Conclusions

1 Actors working on both issues are higher than we expected – What mitigation and adaptation concepts for distinct actors?

2 Missing actors with institutional role on adaptation and mitigation responses

3 Missing actors from the NGO/CSO, which differ from previous network study on REDD+ in Brazil

Questions?