

# Collaborative governance approaches to address institutional misfit: two case studies from the Spreewald region, Germany

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European Ecosystem Service Conference 'Helping Nature to Help Us', Antwerp, Belgium | September 19-23, 2016

cp3 partners:



cp³ funding scheme:





cp³ national funders:



## Background

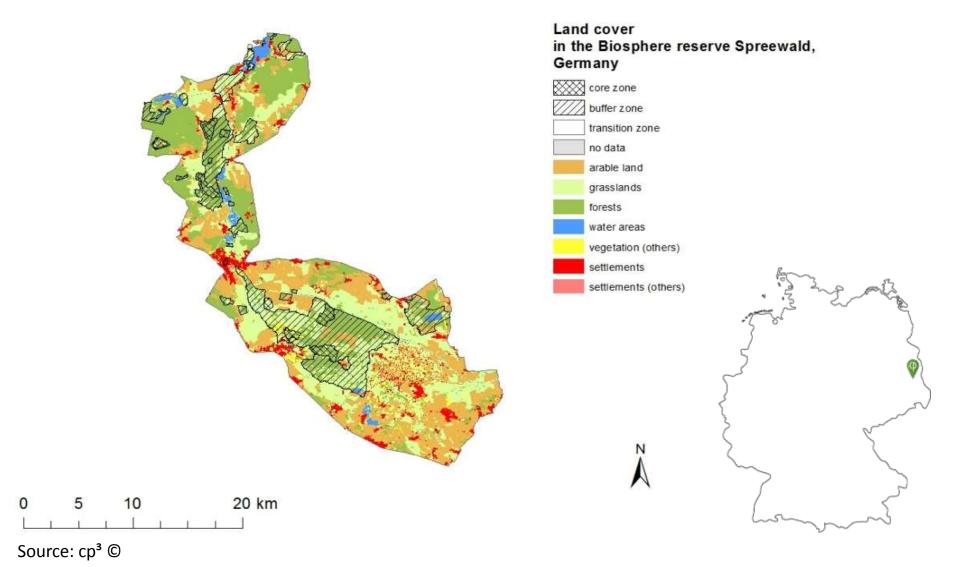


- Recent trend: increased cooperation of multiple actors in governance (public/private/civil partnerships = cp³)
- Hypothesis: collaborative governance approaches better suited to address 'misfit' in governance
- Misfit = governance structures are spatially/temporally ill-aligned to the ecosystem/natural resources they are meant to govern
- Challenge: existing approaches diverse 

  not known what makes some succeed and others fail
- Aim: to understand roles of actors and their interaction + recommendations for improvements (→ Net-Map/SNA)

## The case study: biosphere reserve Spreewald





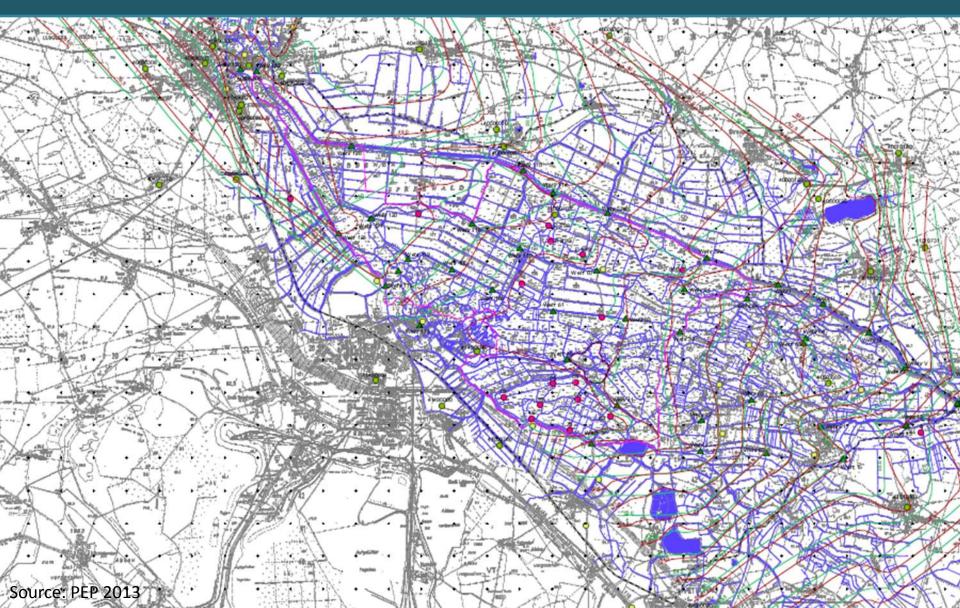
# The case study: some impressions





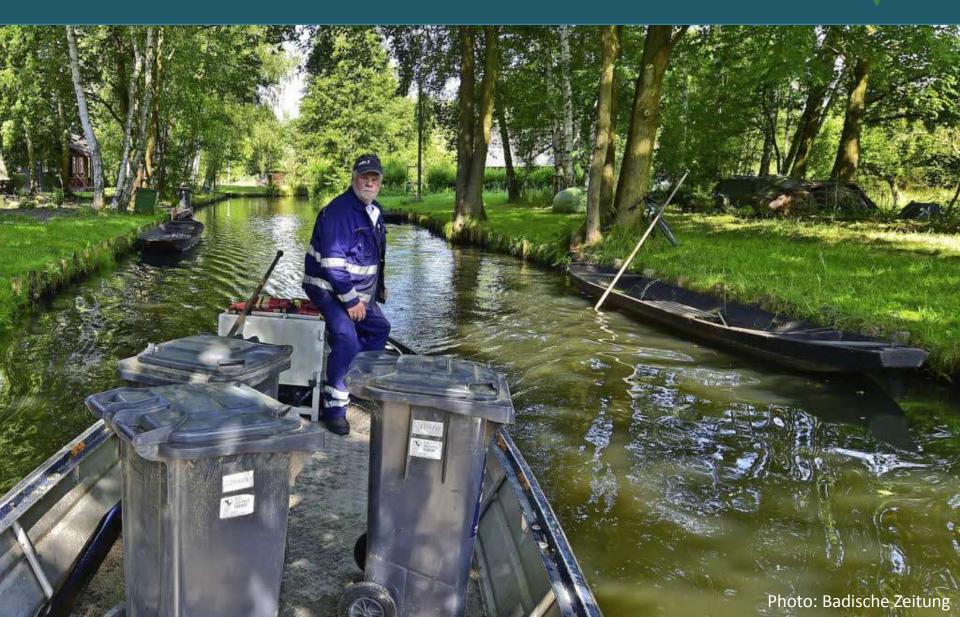
# The case study: water is everywhere





# The case study: even garbage collection is by boat





# The case study: local produce









# The case study: local crafts and traditional clothing







,Staubeirat'	,Bürgerstiftung Kulturlandschaft Spreewald'



,Staubeirat'	,Bürgerstiftung Kulturlandschaft Spreewald'
Top-down initiated	Bottom-up initiated (citizen foundation)



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Long tradition (since 30ties)	Short tradition (founded 2007)



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ES: Water regulation water management (length/height of controlled flooding summer + winter)  Other ES: Biodiversity (reproduction of fish species), cultural/recreational	ES: Preservation of the cultural landscape Maintenance of the traditional management of Spreewald meadows  Other ES: Biodiversity



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Financing: Public money (+ honorary work)	Financing: Honorary work + private/public money



,Staubeirat'	Bürgerstiftung Kulturlandschaft Spreewald'

**Top-down** initiated

**Long** tradition (since 30ties)

**Informal** 

**ES**: Water regulation water management (length/height of controlled flooding summer + winter)

**Other ES**: Biodiversity (reproduction of fish species), cultural/recreational

**Financing:** 

and other

Public money (+ honorary work) Actors: public authorities (ministries at the state and regional level), municipalities, cities, biosphere

reserve, farmers, fishermen, tourism agencies,

Maintenance of the traditional management of Spreewald meadows **Other ES:** Biodiversity

**ES: Cultural** 

**Formal** 

**Financing:** 

**Actors:** 

Honorary work + private/public money Individuals, local businesses, farmers, municipalities, cities, local NGOs, and other

**Bottom-up** initiated (citizen foundation)

**Short** tradition (founded 2007)

## Methods: Net-Map



**Net-Map** = an innovative , low-tech, low-cost, interview-based mapping tool for social network analysis (SNA)

#### 3 phases:

- 1. Preparing Net-Map interviews
- 2. Conducting Net-Map interviews
- 3. Analyzing Net-Map interviews

### Net-Map: Phase 1



#### **Preparing interviews:**

- 1. Develop interview guidelines
- 2. Organize pre-testing
- 3. Compile list of potential interviewees
- 4. Schedule interviews and figure out travel logistics
- Prepare materials (large sheets, post-its, color markers, stones, audio-recorder, presents)



## Net-Map: Phase 2



#### **Conducting interviews:**

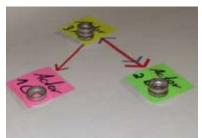
- 1. Identify relevant actors
- Draw links between actors (e.g. money/information flows, trust relations, contracts, conflicts, etc.)

3. Put influence and benefit towers

4. Define motivations/interests









Photos: Jennifer Hauck

## Net-Map: Phase 3



#### **Analyzing interviews:**

- 1. Transfer Net-Maps into spread sheets (\*.xlsx, \*.csv)
- 2. Analyze Net-Maps/Calculate SNA indices (e.g. UCINET)
- 3. Visualize Net-Maps (e.g. NetDraw)

-> quantitative analysis

- 4. Transcribe interview recordings (\*.docx, \*.rtf)
- 5. Analyze transcripts (e.g. MAXQDA, ATLAS.ti)

-> qualitative analysis

# **Results:** Net-Mapping - work in progress





Photo: Andreas Kubatzki

## Results: A 'Net-Map'



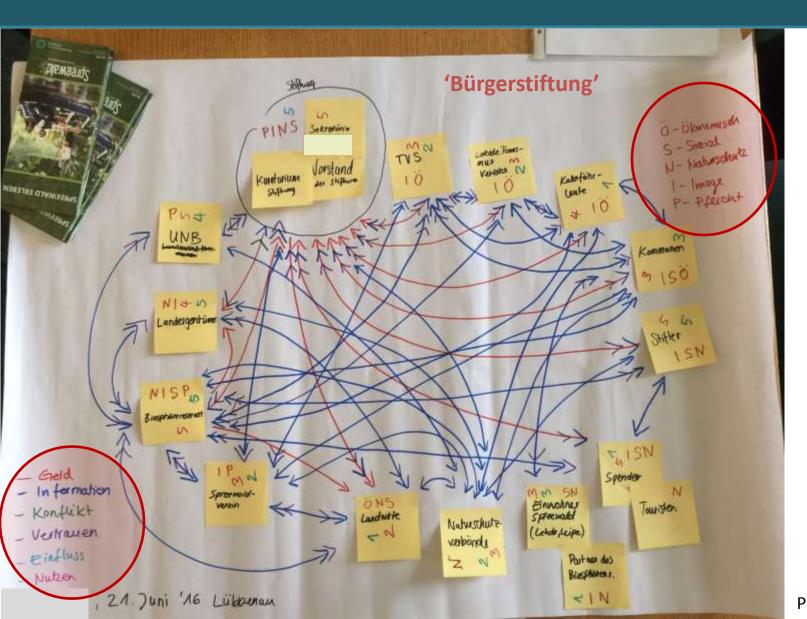


Photo: Anika Hirt

## Results: Net-Map transformed into a spreadsheet



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- -> Calculate SNA indices (e.g. UCINET):
- Density = Number of links divided by the number of nodes in the network
- Degree Centrality = Number of direct links an actor has (in- vs. outdegree)
- Betweenness centrality = Number of shortest paths from all nodes to all others that pass through that node

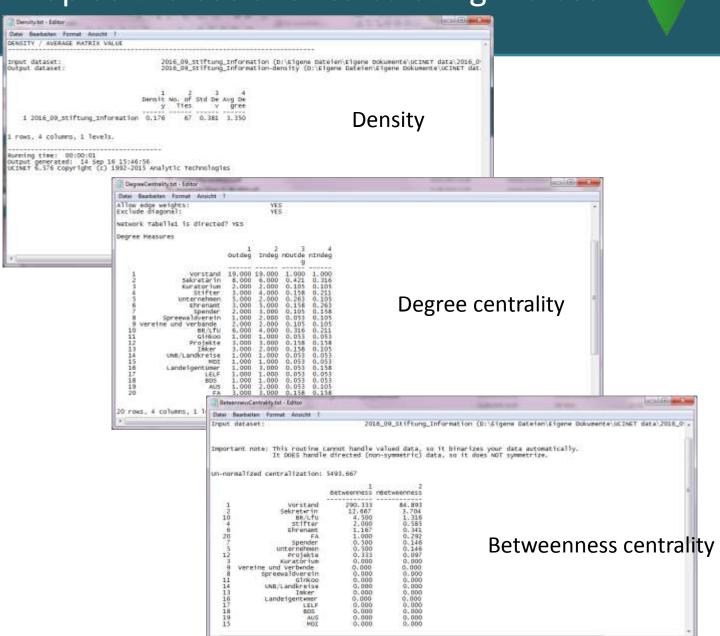
... and more

Source: Anika Hirt Source: e.g. Jansen 2003

## Results: Net-Map as the basis for calculating indices

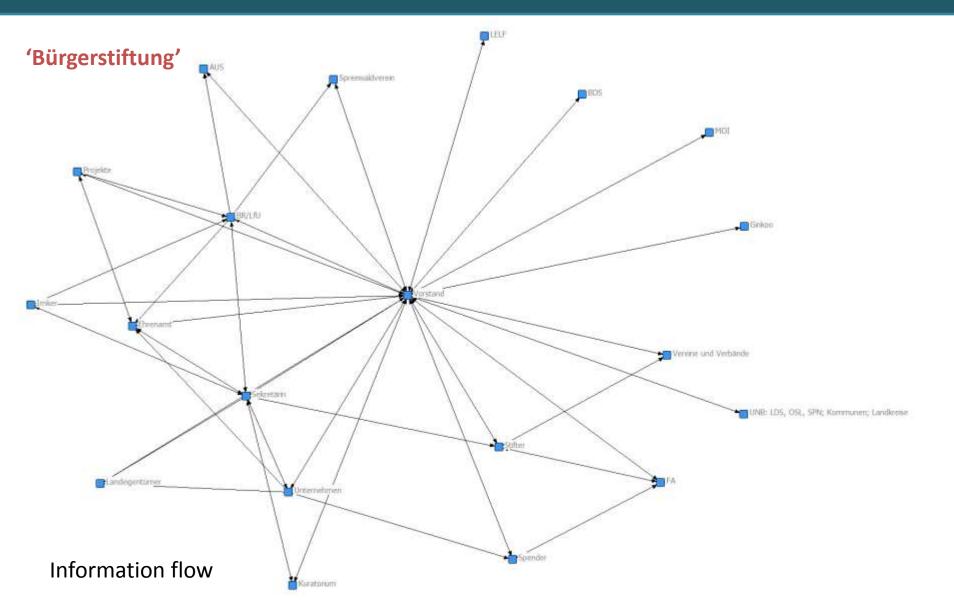


#### 'Bürgerstiftung'



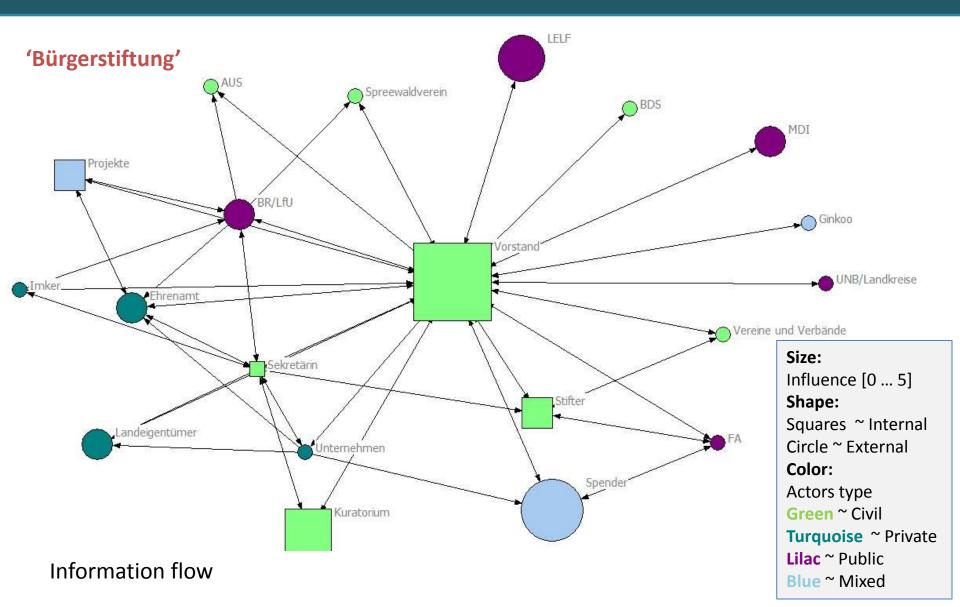
# Results: Net-Map visualized with NetDraw





## Results: Net-Map visualized with NetDraw

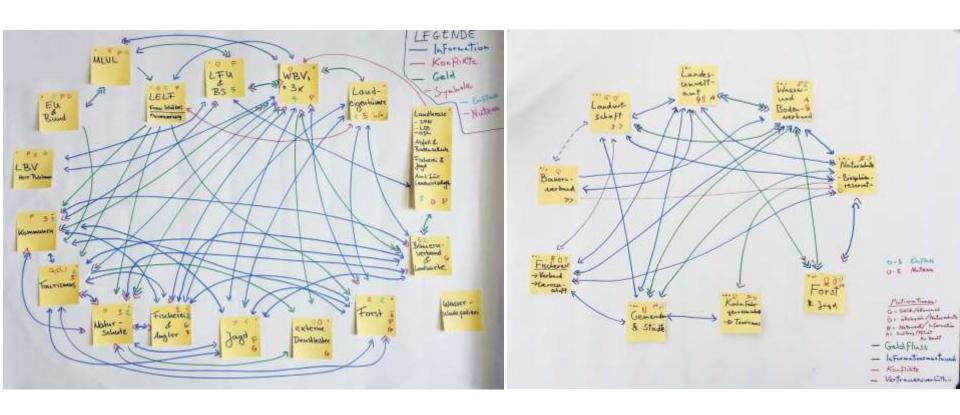




## **Results:** Net-Maps represent different perceptions



#### 'Staubeirat'



complex

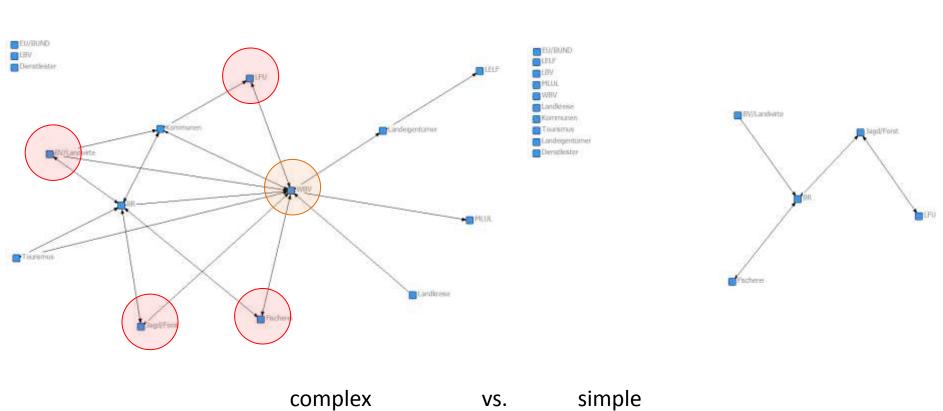
vs. simple

Photos: Andreas Kubatzki

# Results: represent different perceptions



#### 'Staubeirat'



**Conflicts** 

## Conclusions: methods' pros and cons



- + Yields very rich data, in-depth insight into cases
- + Enables quantitative and qualitative analysis (as opposed to classical SNA)
- + More interesting for interviewees than ,conventional' interviews
- + Allows for mutual learning effects (network as basis for discussion)

- Results are not representative (individual perception)
- Quite time-consuming
- Not everyone's ,cup-of-tea'

## Thank you!!!



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www.cp3-project.eu

cp<sup>3</sup> partners:



cp<sup>3</sup> funding scheme:





cp<sup>3</sup> national funders:



