

Incentive-based policy instruments for climate-friendly peatland management in Europe

– the role(s) of social networks

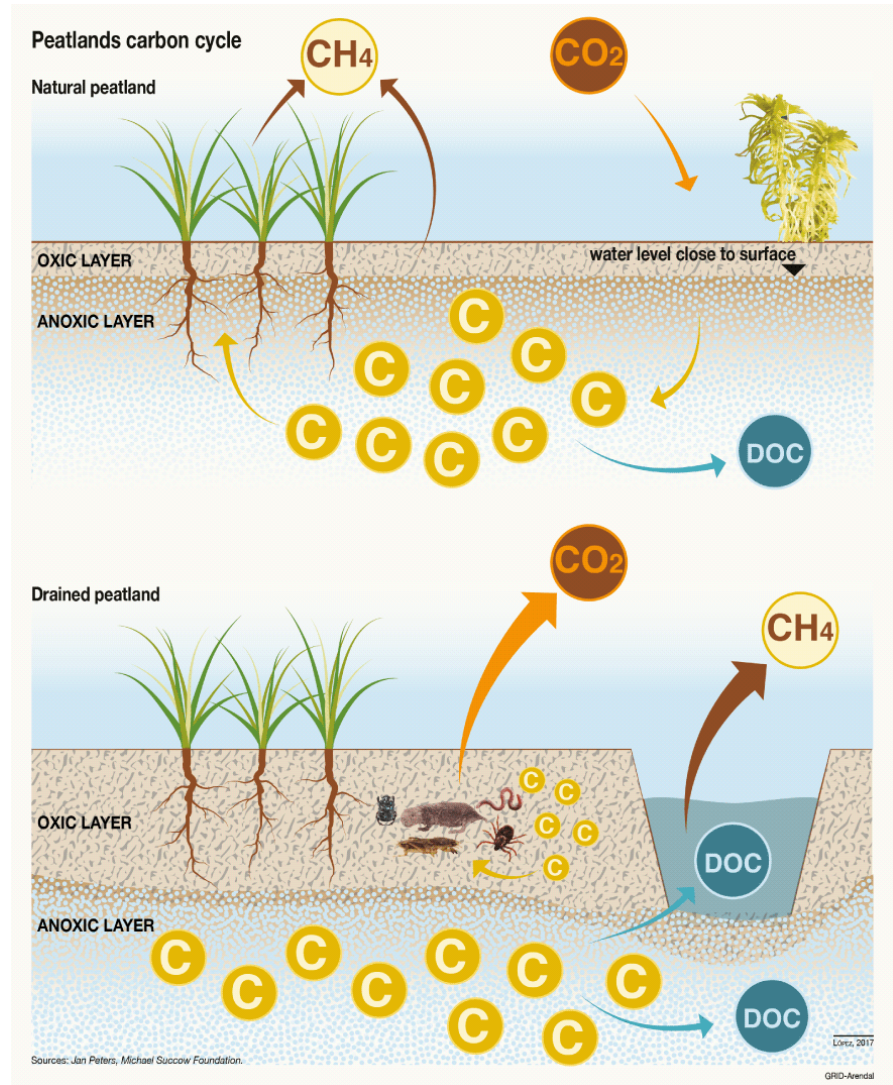


Source: Pixabay

Spring Campus Conference Berlin

Workshop II "Climate Change and Social Networks", April, 03, 2019, Teresa Kraus, Ph.D. cand.

Why do peatlands matter so much?





Source: dpa



Source: Vorpommern
Initiative Paludikultur



Source: Ingo Wagner (dpa)

Elevation of ground water table

- Eligibility of crops for direct payments under CAP
- Nature conservation laws
- Machinery
- Value chain

climate change mitigation
vs.
economic interests

How to stimulate change?

Raise awareness

Offer incentives

Regulate use

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Raise awareness

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Regulate use



- 1) Existing policy instruments in Europe?
- 2) Influencing factors for implementation of incentive-based policy instruments

→ Recommendations to future management frameworks & new policy instruments

Which factors influence implementation of incentive-based policy instruments for climate-friendly peatland management?

- On micro level: institutionalization of interest groups → facilitate funding → foster recognition
- On meso level: micro level social network (e.g. association) as actor in bigger network
- Roles of actors – Who are catalysts? intermediaries? facilitators? decision makers?

- Assumption:

→ Social networks key for **adoption** of IBPI

→ Need to take social networks and roles of other actors into account for recommendations

Identify existing mechanisms - online survey

19 D policies and voluntary initiatives

D: Policies, policy instruments and voluntary initiatives focusing on greenhouse gas mitigation on (drained) peatlands

In the Paris Agreement we observe two trends relevant to policy initiatives at the national level. Second, an increased involvement of the private sector in understanding of the mechanisms of policies, policy instruments and hindering factors as well as potential trade-offs between them.

20 D1 Policies

D1: Are there policies or policy instruments regarding greenhouse gas mitigation on (drained) peatlands?

If you tick "No" you can still leave comments, but will then continue with question 21.1

- ☐ yes
- ☐ no
- ☐ don't know

21.1 Filter: policies: yes

D1: Which policies or policy instruments are relevant for greenhouse gas mitigation on (drained) peatland?

- 1
- 2
- 3
- 4
- 5

D1: Please, categorize the policies or policy instruments you mentioned.

	Regulatory	Incentive-based	Awareness-raising	Strategic plans & programs	Don't know
#v_485#	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
#v_486#	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Existing mechanisms – online survey results

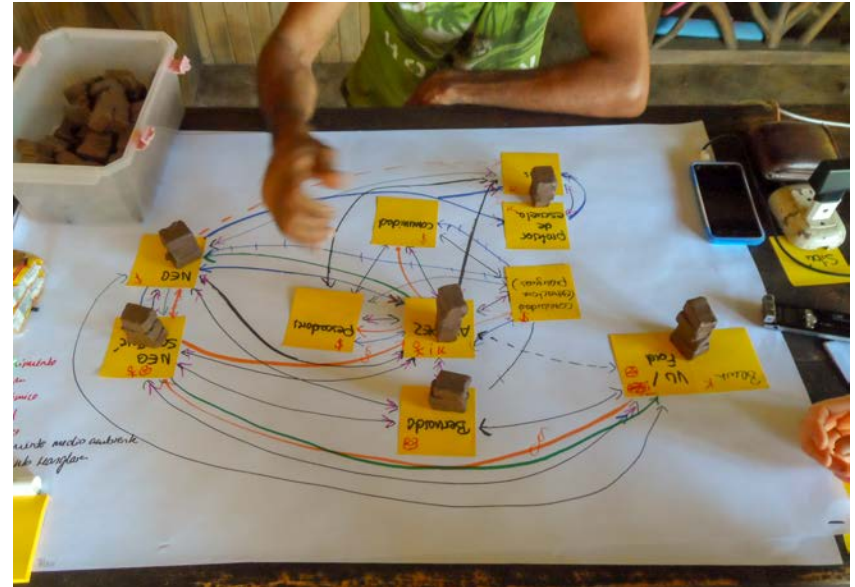
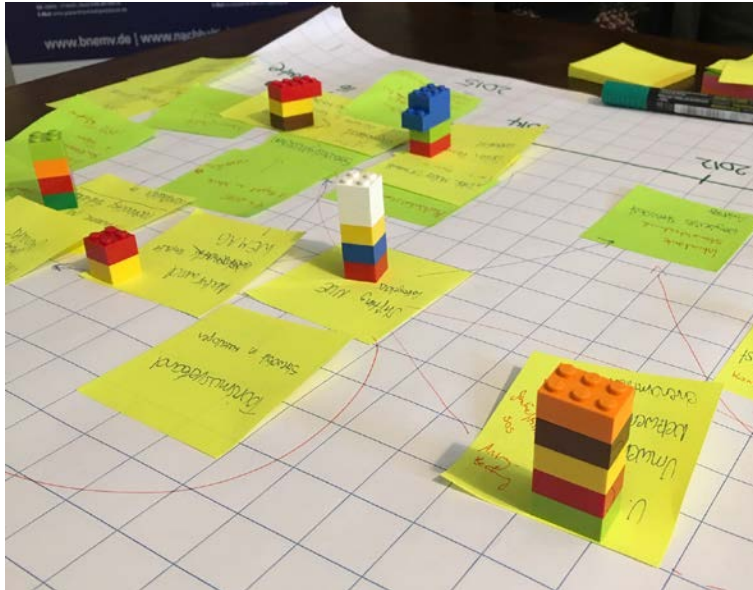
		Financing		Mechanism	
	State - region	EU	National	IBPI	Non-governmental initiative
Common Agricultural Policy – EAFRD (public)					
AECM aiming at extensification	D, DK	x	x	x	
AECM aiming at water retention on peatland	D-BB	x	x	x	
Financial support for grassland on peat soils	FIN	x	x	x	
Financial support for water level control systems	FIN	x	x	x	
Financial support for underwater drainage	NL	x	x	x	
Regional Development – ERDF (public)					
Climate protection with peat restoration (KliMo)	D-LS	x	x	x	
Payments for Ecosystem Services (private-voluntary)					
MoorFutures®	D		x		x
moorbenefits	D-BAV		x		x
Moorland Klimazertifikate	D-HB, D-LS		x		x
Valuta vor Veen	NL		x		x
Peatland Carbon Code	UK		x		x

Participants (n=59)

- Agricultural/ environmental experts
- from administration, consultancy, industry, NGOs or research
- from 8 peatland-rich European countries (DK, FIN, D, NL, NO, PL, S, UK)

- **Case selection** for case studies → build 3 contrasting couples (IBPI) + 2 non-gov. Initiatives
- **Choose methods**
- **Collect data:**
 - semi-structured interviews with representatives of administrative bodies, researchers and multipliers → influencing factors
 - Social Network Analysis → roles of actors

Social Network Analysis - NetMap Approach



- links between actors
- distinct goals of single actors
- influence of single actors
- power relations

Incentive-based policy instrument „Water retention on peatland“ (in D-BB)

- financial support by Federal State for water table elevation
 - prerequisites:
 - used for grassland
 - water control system
 - no chemical plant protection
 - applied on ca. 750ha
- + flanking directive for machinery
- + **project „Network water retention“**



Source: Wikimedia Commons

Peatland management deserves
much more political attention,
adaption of practices needs to be
incentivized!

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PEATWISE - Wise use of drained peatlands in a bio-based economy: development of improved assessment practices and sustainable techniques for mitigation of greenhouse gases

<https://eragas.eu/research-projects/peatwise>



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