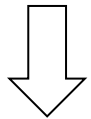


# Spatial Information Supporting a Collaborative Landscape-Based Place Branding

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focus of  
the presentation:



## GIS analyses

- brief overview
- landscape metrics

Quantitative landscape assessment

## Participatory mapping

- method
- results

Qualitative landscape assessment

Mixed Methods

# Project & Study Area



## Project's meta data:

- Regiobranding (parent project). Branding of urban-rural regions using landscape characteristics
- Funded by Germany's Federal Ministry of Education and Research (BMBF)

- Hamburg Metropolitan Area is study area (with 3 focus regions within)
- 8 partners disciplines : diverse scientific and local stakeholders from three study regions (Lead: Leibniz Universität Hannover)

# Aim & Methods



Regiobranding

## Regiobrandings aim:

Identify characteristics of the regional landscape and use them for sustainable place branding (creating a marketable image/ a unique selling proposition to the outside, and strengthening identity to the inside)

Our „sub-projects“ aim:  
generating information by mixed-method GIS approach (and informing stakeholders steering place building in the focus regions)

- GIS analyses (using data from public authorities)  
→ landscape elements that are frequent, large, dense, rare ...

- Participatory mapping  
→ Integrating local knowledge (what is special about the landscape from perspective of the locals?)



# Participatory mapping - Introduction



→ „Inside view“

Foto: © C. Blaumann,  
Mensch und Region, Hannover

# Participatory mapping - Workshops

- Workshop Glückstadt (29 Participants):

Map characteristic elements of the landscape in your region

Kartieren Sie (spontan) kurlandschaftliche Besonderheiten in Ihrer Region

To which areas do you go for recreation and which activity do you carry out?

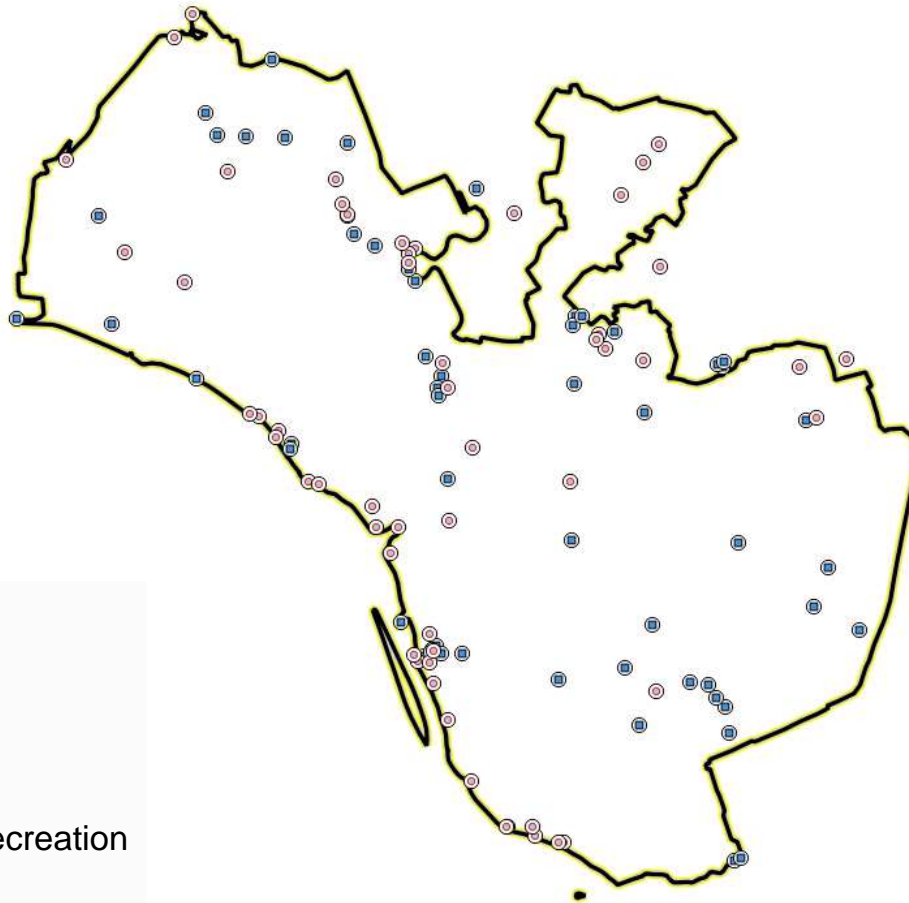
Welche Gebiete suchen Sie persönlich für Ihre Erholung auf und welchen Aktivitäten gehen Sie dabei nach?

- Workshop Itzehoe (34 Participants):

Mark your favorite places and views on the available map of your region. Name and describe them briefly

Markieren Sie auf dem ausliegenden Kartenwerk Ihre persönlichen Lieblingsorte und -aussichten in der Region. Benennen oder beschreiben Sie diese kurz

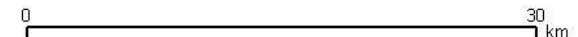
# Participatory mapping – Results



confirmation of  
GIS analyses

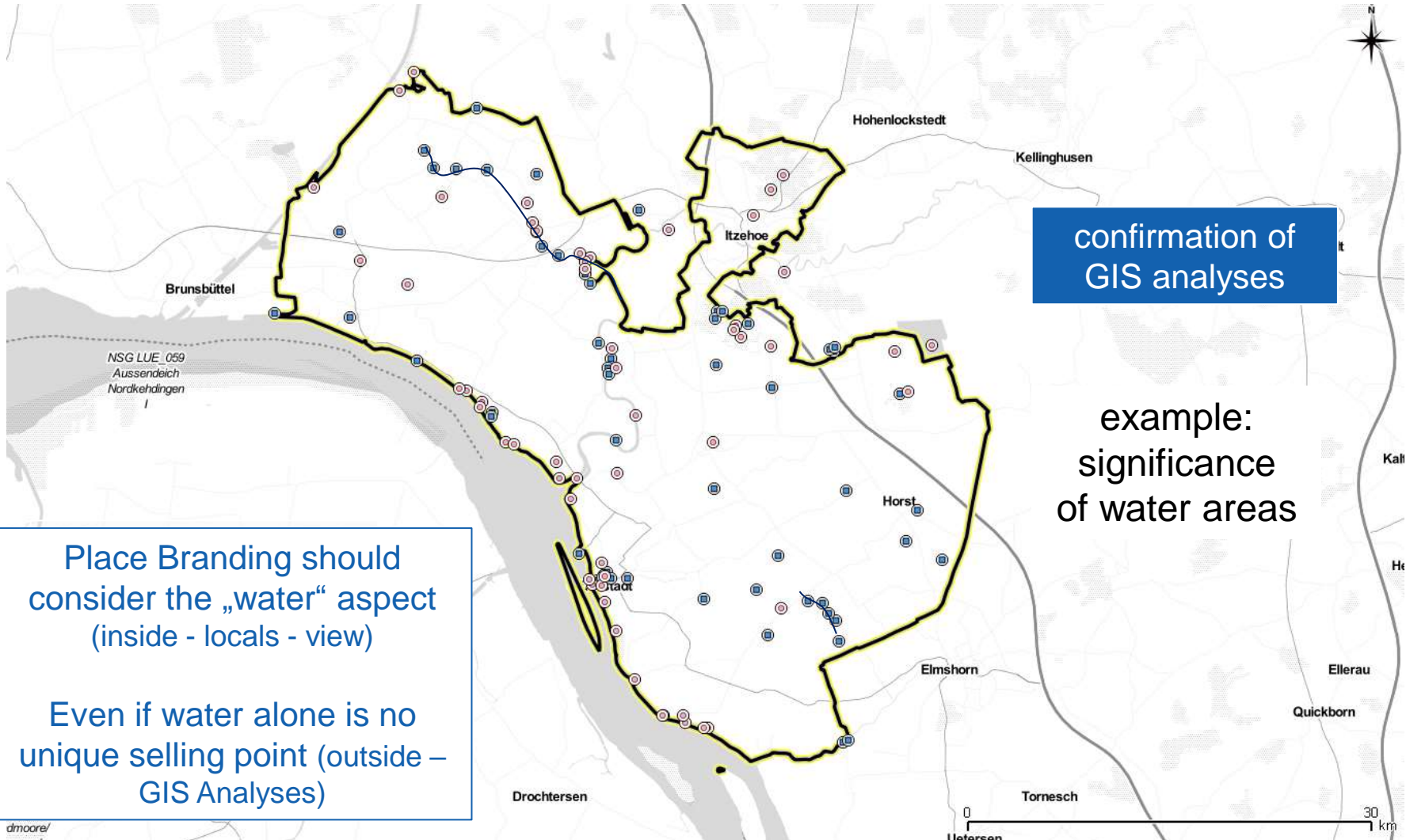
-  specific landscape elements
-  place of recreation

total:  
55 specific landscape elements  
56 places of recreation

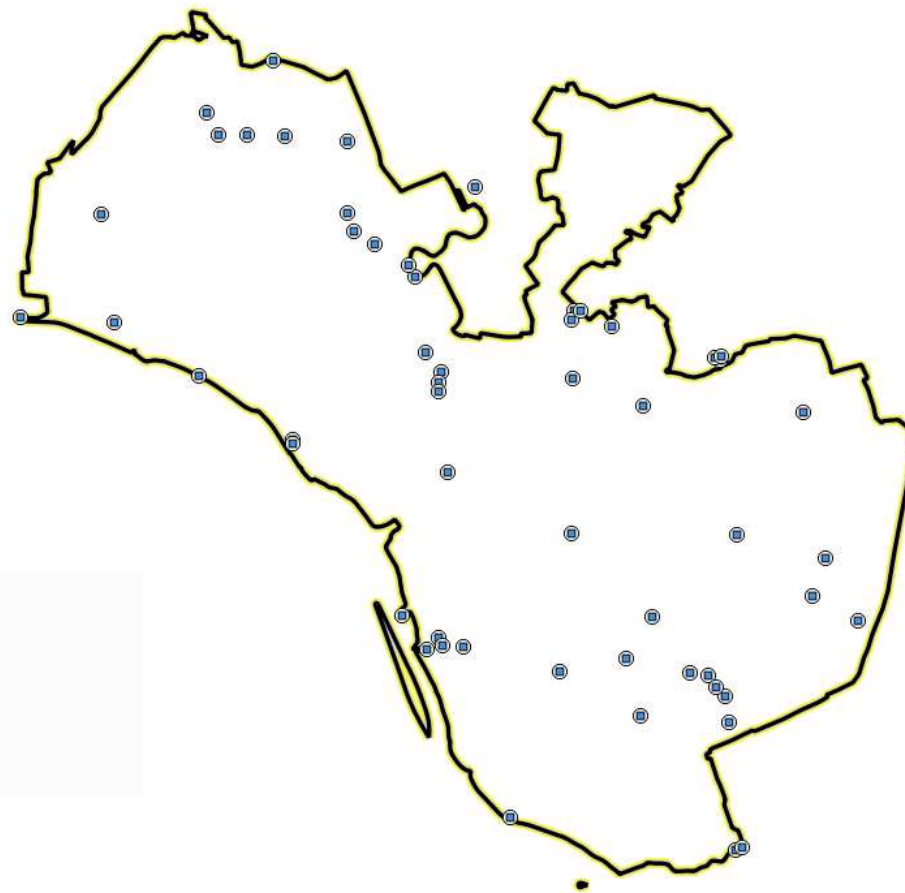




# Participatory mapping – Results



# Participatory mapping – Results

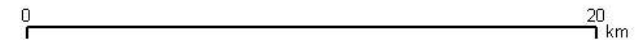


additional  
information

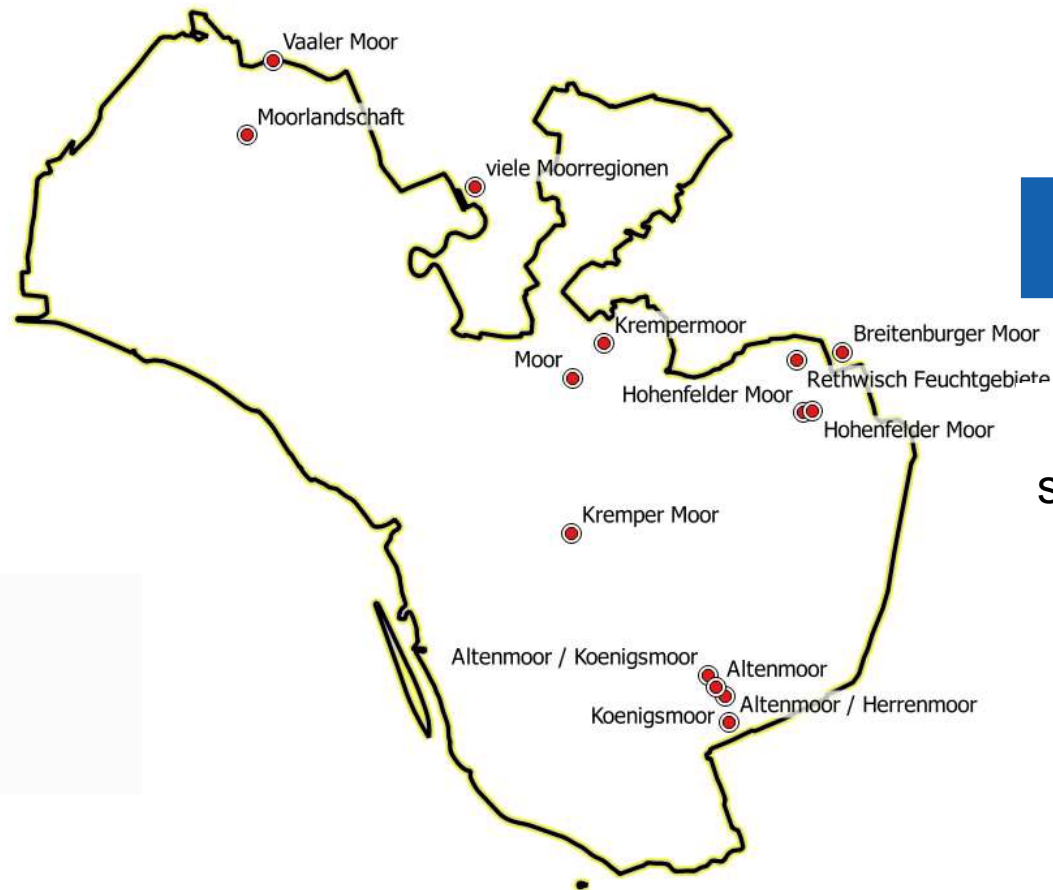
example:  
significance  
of moors



specific  
landscape  
elements



# Participatory mapping – Results



● Moor

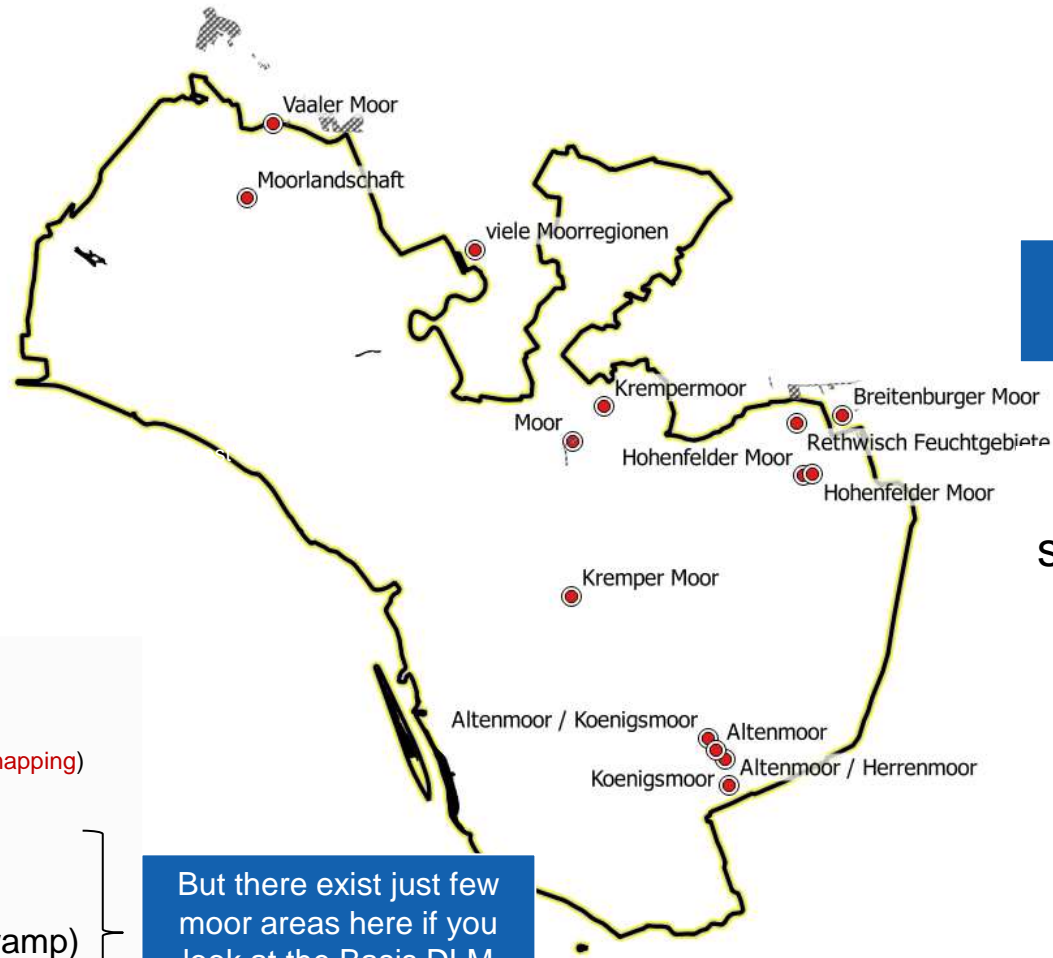
additional  
information

example:  
significance  
of moors

14 x Moor  
(or Feuchtgebiet)  
→ 25 % of all specific  
landscape elements



# Participatory mapping – Results






additional information

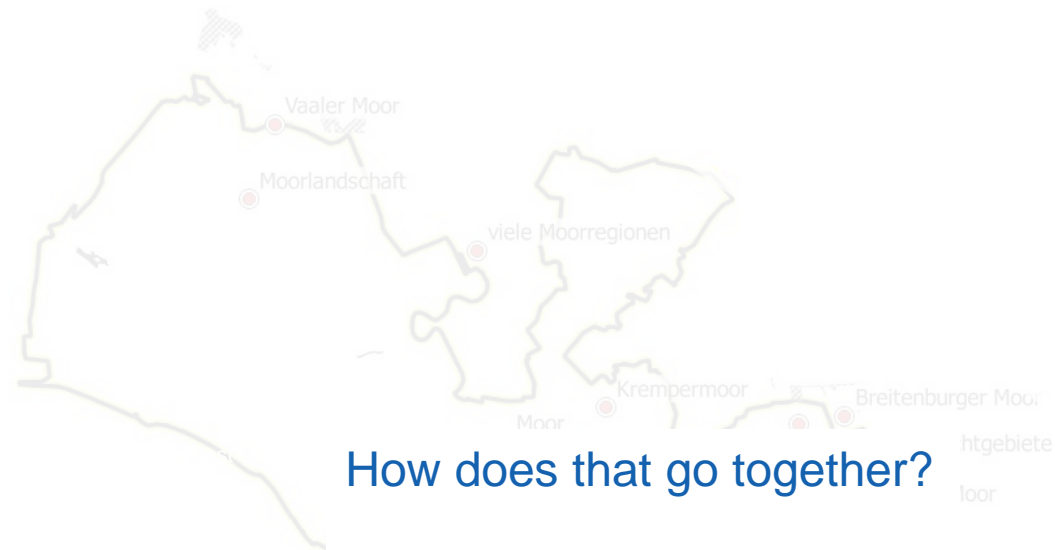
example: significance of moors

14 x Moor  
 (or Feuchtgebiet)  
 → 25 % of all specific landscape elements

But there exist just few moor areas here if you look at the Basis DLM data (Moor and Sumpf patches)




- 
 Moor  
 (participatory mapping)
- 
 Moor  
 (Basis DLM)
- 
 Sumpf (Swamp)  
 (Basis DLM)

# Participatory mapping – Results



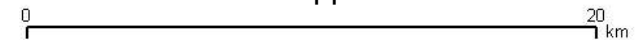
How does that go together?

Few moor areas in Basis DLM,  
but relatively many moors mapped

-  Moor  
(participatory mapping)
-  Moor  
(Basis DLM)
-  Sumpf (Swamp)  
(Basis DLM)

But there exist just few  
moor areas here if you  
look at the Basis DLM  
data (Moor and Sumpf patches)

14 x Moor  
(or Feuchtgebiet)  
→ 25 % of all specific  
landscape elements locals  
mapped



# Participatory mapping – Results

- „real“ moors mainly disappeared, but are still alive in landscape names
- vice versa: A „real“ moor from a local perspective might differ from the official data´s definition

## A ‚moor‘ according to DLM´s definition:

Basen-Zwischenmoor, NSG Glittenberger Moor (Niedersachsen)

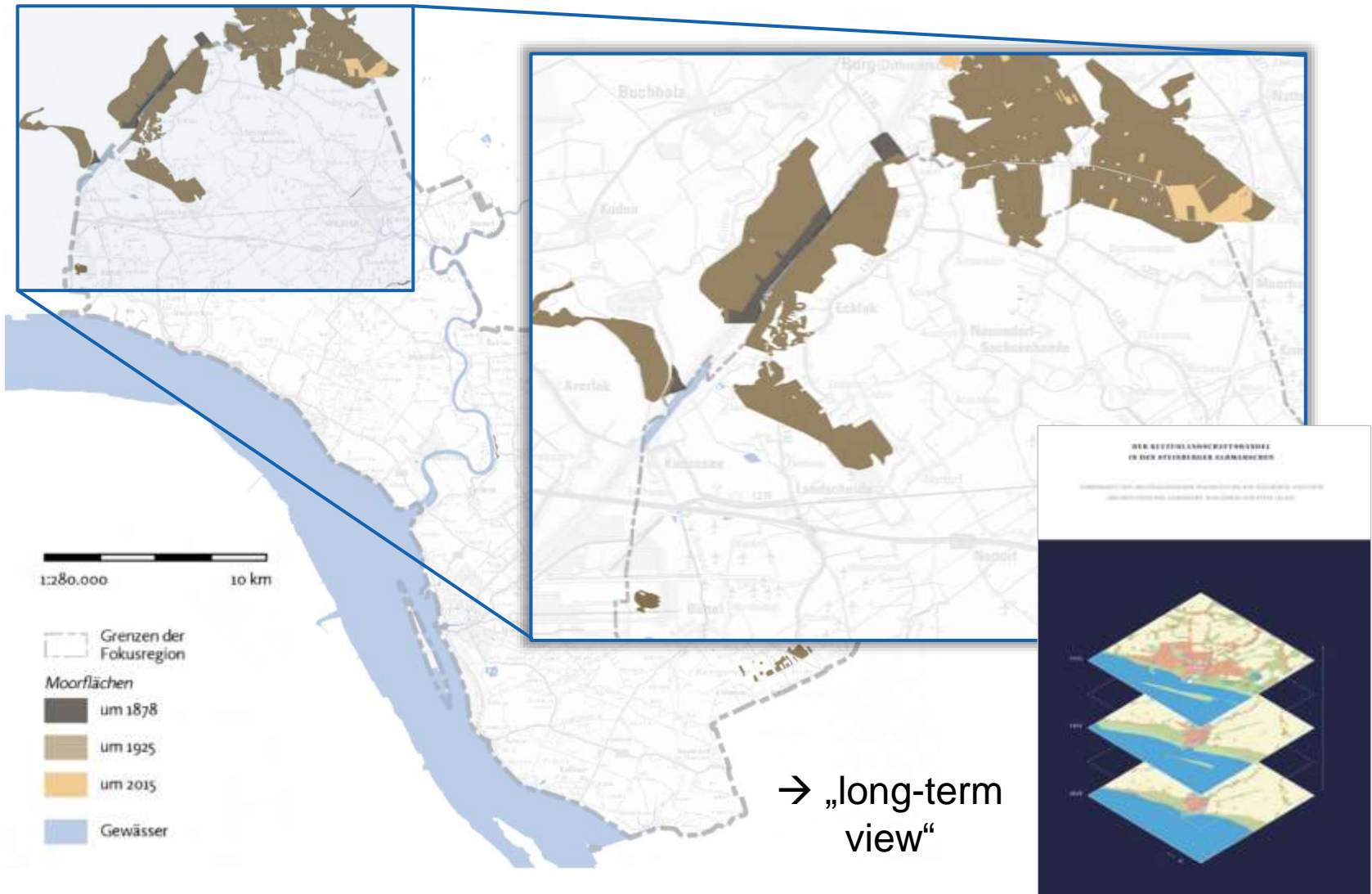


Elke Freese, [https://de.wikipedia.org/wiki/Moor#/media/Datei:Glittenberger\\_Moor.jpg](https://de.wikipedia.org/wiki/Moor#/media/Datei:Glittenberger_Moor.jpg), [CC BY-SA 3.0](https://creativecommons.org/licenses/by-sa/3.0/)

From AdV (2015): *GeoInfoDok, ATKIS-Objektartenkatalog. Basis-DLM, Version 6.0.1.*

20.6 AX_Moor	
Objektart: AX_Moor	Kennung: 43005
<b>Definition:</b>	
[E] ‚Moor‘ ist eine unkultivierte Fläche, deren obere Schicht aus verrotten oder zersetzten Pflanzenresten besteht. Torfstich bzw. Torfabbaufäche wird der Objektart 41005 ‚Tagebau, Grube, Steinbruch‘ mit AGT ‚Torf‘ zugeordnet.	
<b>Definition of ‚Moors‘ in ATKIS Basis DLM: an uncultivated area whose top-most layer consists of peaty or decomposed plant remains</b>	
<b>Erfassungskriterien:</b>	
Fläche >= 1 ha	

# Decline of moors



# Spatial information contributing to a collaborative place branding



strengthening identity to the inside



[https://www.steinburg.de/startseite/presse-aktuelles/meldungen/details/tx\\_news/publikation-zum-kulturlandschaftswandel-in-den-steinburger-elbmarschen-erschiene.html](https://www.steinburg.de/startseite/presse-aktuelles/meldungen/details/tx_news/publikation-zum-kulturlandschaftswandel-in-den-steinburger-elbmarschen-erschiene.html)  
(Foto: Britta Glatki, Itzehoe)



Regiobranding in Lübeck-Nordwestmecklenburg  
<https://www.youtube.com/watch?v=hjkeaXwUqgw>



Regiobranding in Griesegend-Elbe-Wendland  
<https://www.youtube.com/watch?v=2K8-eHNaB9c>

image to the outside



Regiobranding in den Steinburger Elbmarschen  
<https://www.youtube.com/watch?v=a3NAGl2zjoc>



## FIG paper

- Schaffert, M., Becker, T., Steensen, T. (2021): Spatial Information Supporting a Collaborative Landscape-based Place Branding. Proceedings FIG – International Federation of Surveyors (2021).

## Further reading

- Schaffert, M., Becker, T., Steensen, T., & Wenger, F. C., (2020): Qualitative GIS to Support Sustainable Regional Branding and Transition in Northern Germany. In: Methods and Concepts of Land Management: Diversity, Changes and New Approaches (European Academy for Land Use and Development).
- Schaffert, M., Becker, T., & Wenger, F. C. (2021). Partizipatives Kartieren von kulturlandschaftlichen Besonderheiten als Beitrag für einen transdisziplinären Place-Branding-Prozess in der Metropolregion Hamburg. In: Landschaftsbilder und Landschaftsverständnisse in Politik und Praxis, 99-118.