

# *Quark area pilot case within SeaGIS project*

Bottenhavet/Pohjanmeri

Norra Kvarken/Merenkurkku

Bottenhavet/Selkämeri

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**SeaGIS**

seagis.org



## ***SeaGIS - Cooperation for ecosystem based planning of the marine environment using GIS***

*The main aim of SeaGIS is to improve the knowledge for and about MSP and make it more accessible in order to increase the possibilities of ecosystem based regional planning of marine areas*

*and*

*to create a common platform for knowledge storing, planning and future decision making in the northern Quark region*



Includes environmental and planning authorities on both sides of the Kvarken strait ... and the universities

### Lead partner

*Centre for Economic Development, Transport and the Environment in southern Ostrobothnia*

### Partners

*County Administrative Board of Västerbotten  
Metsähallitus*

*Åbo Akademi University*

*University of Vaasa*

*Umeå University*

*IGIS*



Närings-, trafik-  
miljöcentralen



METSAHALLITUS  
FORSTSTYRELSEN



Åbo Akademi



VASA UNIVERSITET



Länsstyrelsen  
Västerbottens län



INNOVATIVA GEOGRAFISKA INFORMATIONSYSTEM



## Some activities

- Analyzed the interest for MSP on a local level in Finland and Sweden
- Analyzed the organizational and legal processes in the current governance of the sea in Finland and Sweden
- Developing a transregional GIS-based knowledge platform for storing of data and analyzing different marine planning situations
  - Tool for communication of errands and projects between public, end-users, sectors and responsible planning authorities.
- Pilot-testing on different planning scenarios and scales of the developed GIS-based knowledge platform

## Some activities - Communication

- Spread information about marine spatial planning and planning processes in the region

End-users are national and regional environmental and planning authorities, regional councils and municipalities on both sides of the Kvarken strait.



- *Propose structure and function for a common regional forum for coordination of transboundary planning*



## Some activities - Communication



## Analyzing the interest for MSP on a local level in Finland and Sweden

- Universities on both sides of the Kvarken have made interviews with all municipalities in the region

- What are their views on MSP and how to approach forthcoming ecosystem based planning in the Kvarken area?*

## National land use objectives

Area of national interest

Regional land use plan

Local master plan

Local  
detailed plan

Comprehensive plan

Detailed  
development  
plan

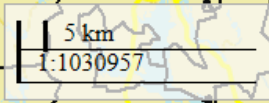
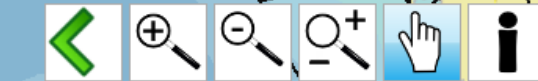
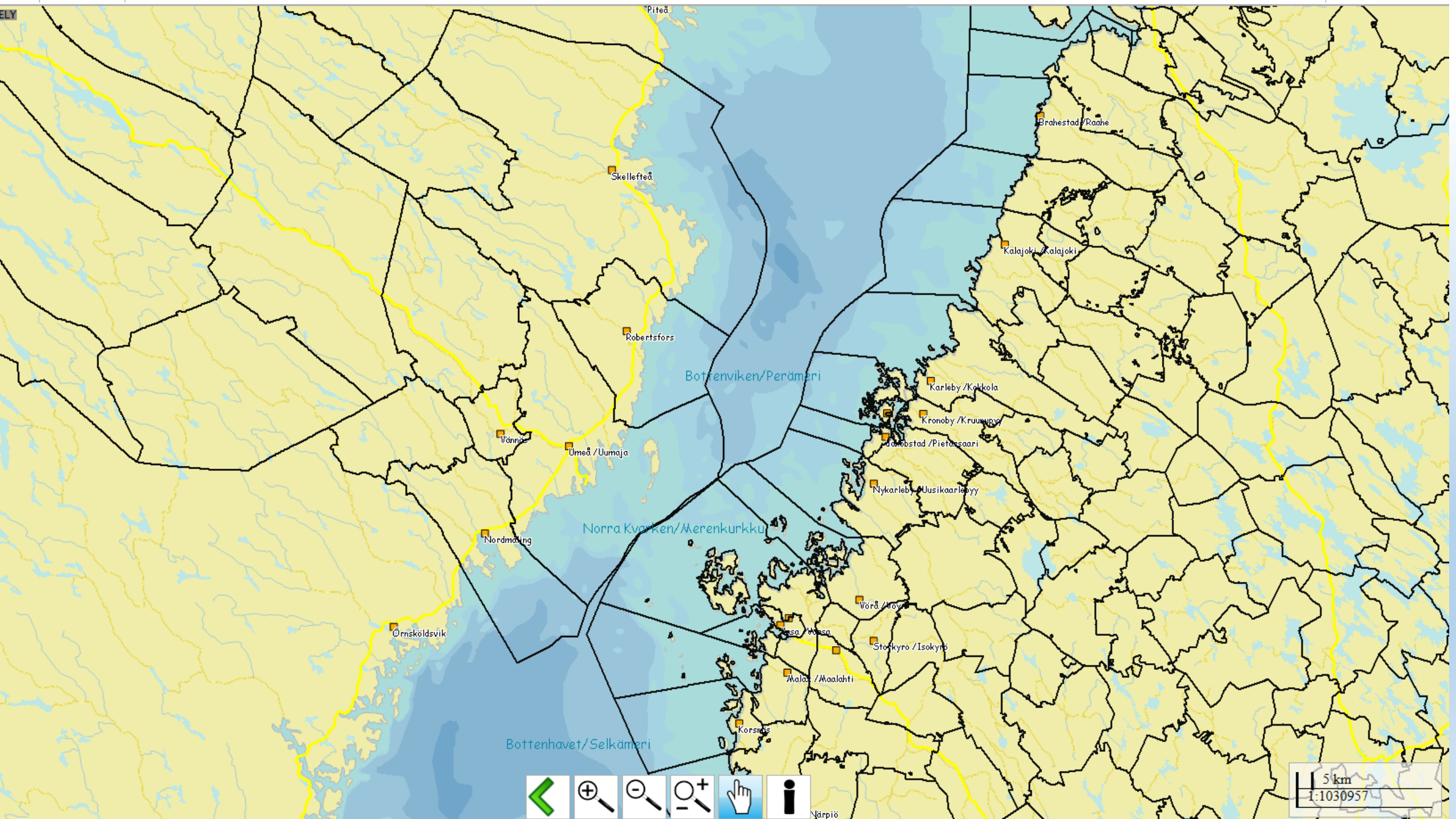
Prepared and approved by the  
**municipalities.**  
Examined by County  
Administrative Board

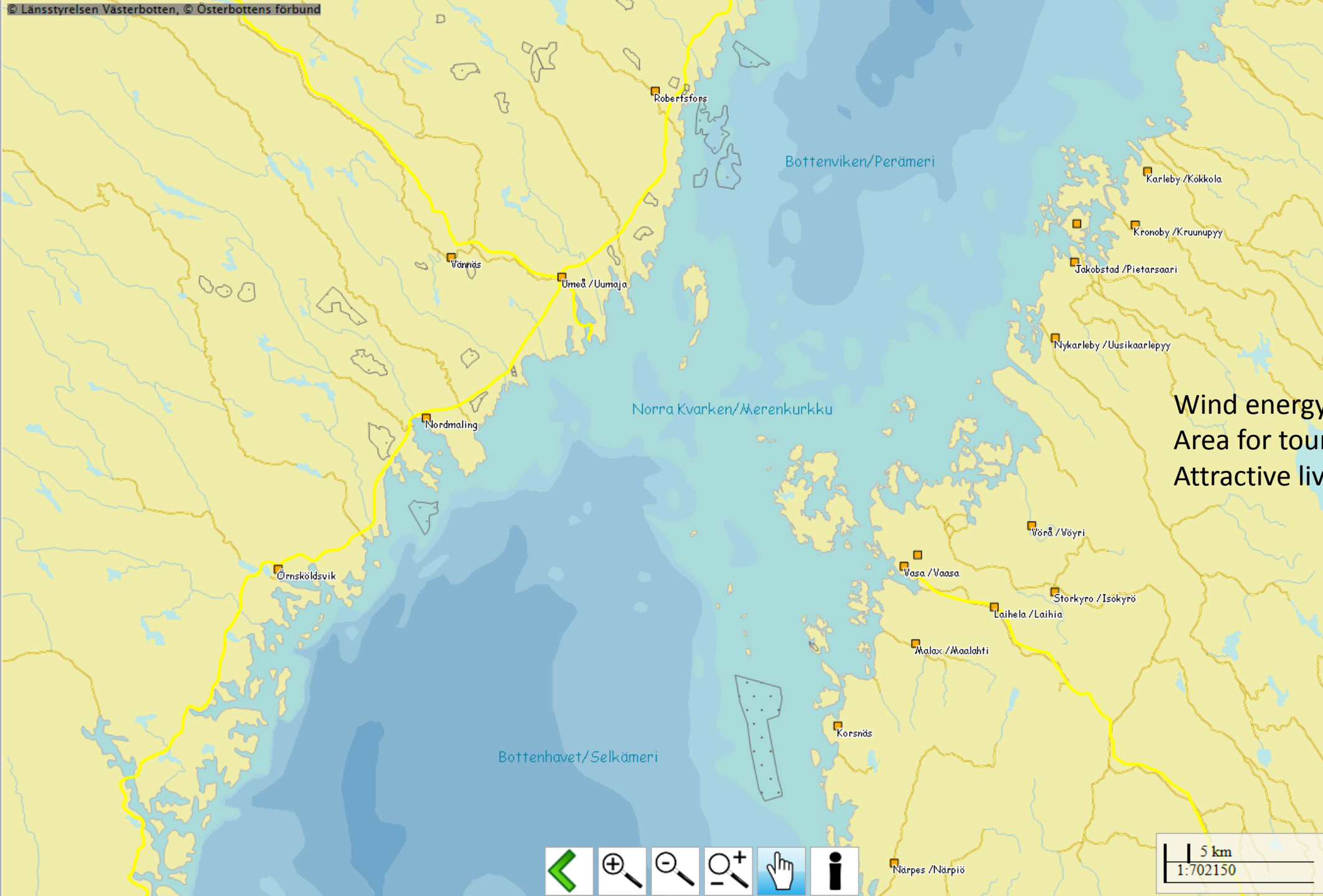


Drafted and approved by regional councils  
with members from municipalities.  
Confirmed by the Ministry of Environment

Prepared and approved by the  
**municipalities.**  
Examined by ELY-keskus







Vindkraftsområde (Fin)

Opacity

Legend

Vindkraftsområden i Umeåregionen (Sve)

Opacity

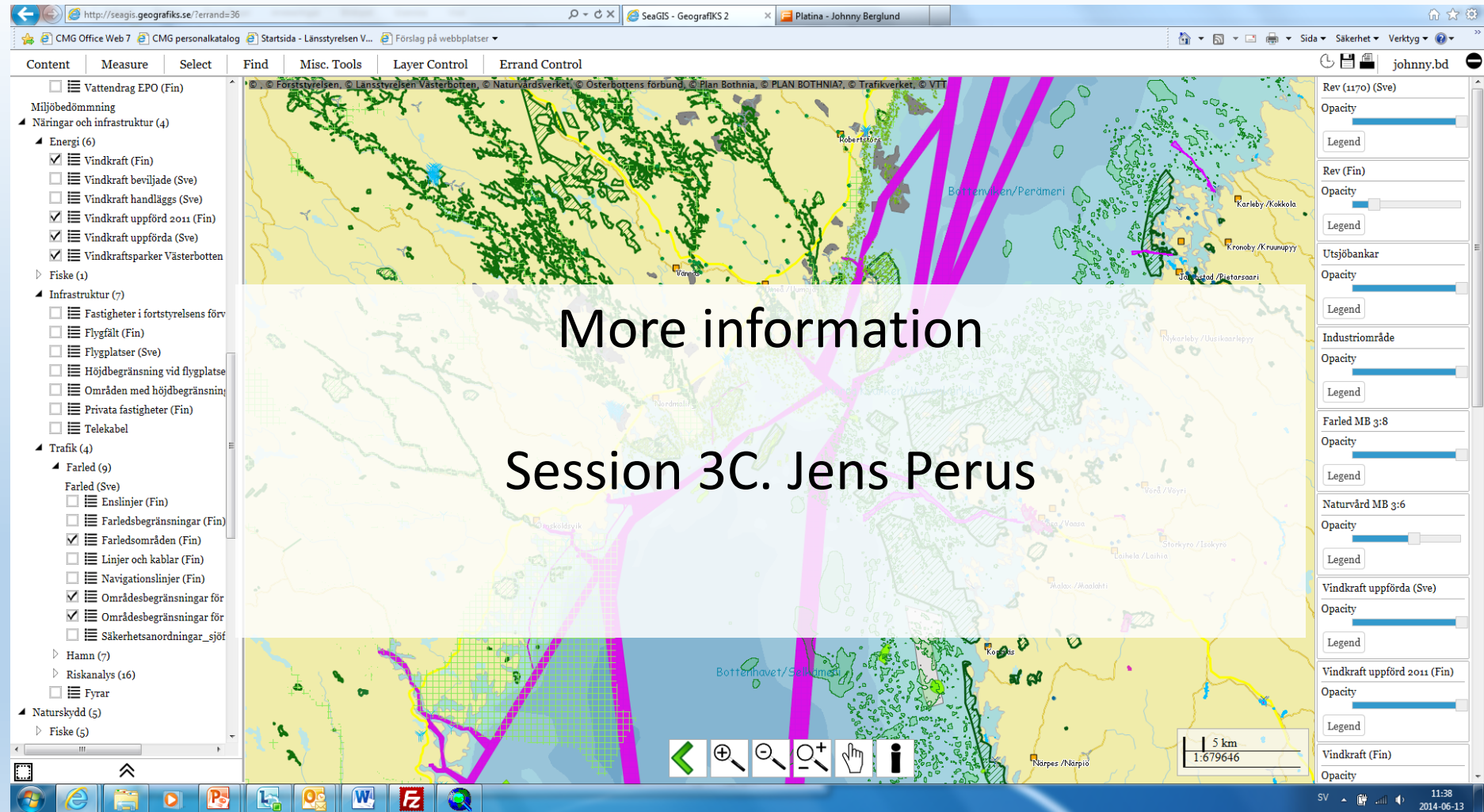
Legend

Wind energy,  
Area for tourism / recreation  
Attractive living environments

Navigation icons: back, zoom in, zoom out, zoom reset, pan, and information.

Scale bar: 0 to 5 km  
Scale: 1:702150

Transboundary GIS-based knowledge platform for storing of data and analysing different marine planning situations



Presently ~300 GIS layers and growing



## Pilot-testing on different planning scenarios and scales of the developed GIS-based knowledge platform

Thematic discussions about

- **Recreation and tourism**
- Energy
- Transport
- Nature conservation
- Fishing



## Outcome of the interviews and platform tests

- Very low planning capacity in smaller municipalities
- Rather little interest in the sea and few visions
- Low knowledge about possibilities
- Concerns for more restrictions and "government control"
- Want to utilize resources to develop the municipality;
  - residential / vacation homes,
  - recreation and tourism
  - ports and industries, etc.



## Summary / Experience

- Low interest from the local level (municipalities)
- Low knowledge

## Key factors

- Cooperation
- Knowledge
- Money would be a catalysator



Thank you for listening!

**Johnny Berglund**  
**County Administrative Board of Västerbotten**  
**Project officer in SeaGIS**