

Quark area pilot case within SeaGIS project

Johnny Berglund

County Administrative Board of Västerbotten

Project officer in SeaGIS

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



METSÄHALLITUS
FORSTSTYRELSEN



Åbo Akademi



VASA UNIVERSITET



Länsstyrelsen
Västerbottens län



IGIS
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

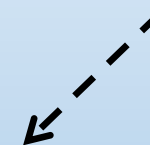
Comprehensive plan

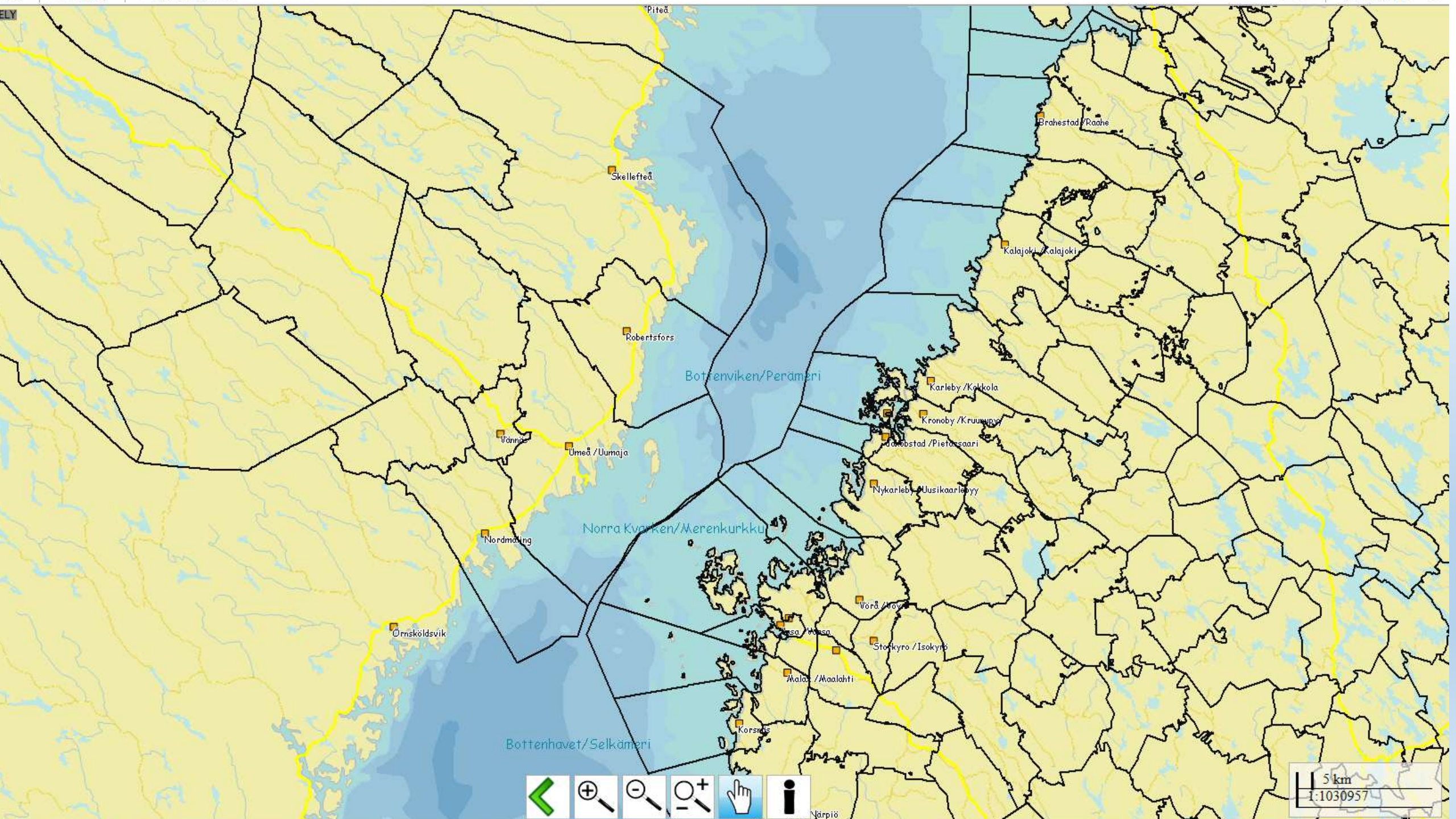
Detailed
development
plan

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





Piteå

Skellefteå

Robertsfors

Vännäs

Umeå / Uumaja

Nordmaling

Örnsköldsvik

Bottenviken/Perämeri

Norra Kvarken/Merenkurkku

Bottenhavet/Selkämeri

Brähestad/Raahé

Kalajoki/Kalajoki

Karleby/Kokkola

Kronoby/Kruunupy

Uusikaarlepyy

Nykarleby

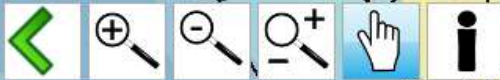
Worså/Worså

Storkyro/Isokyrö

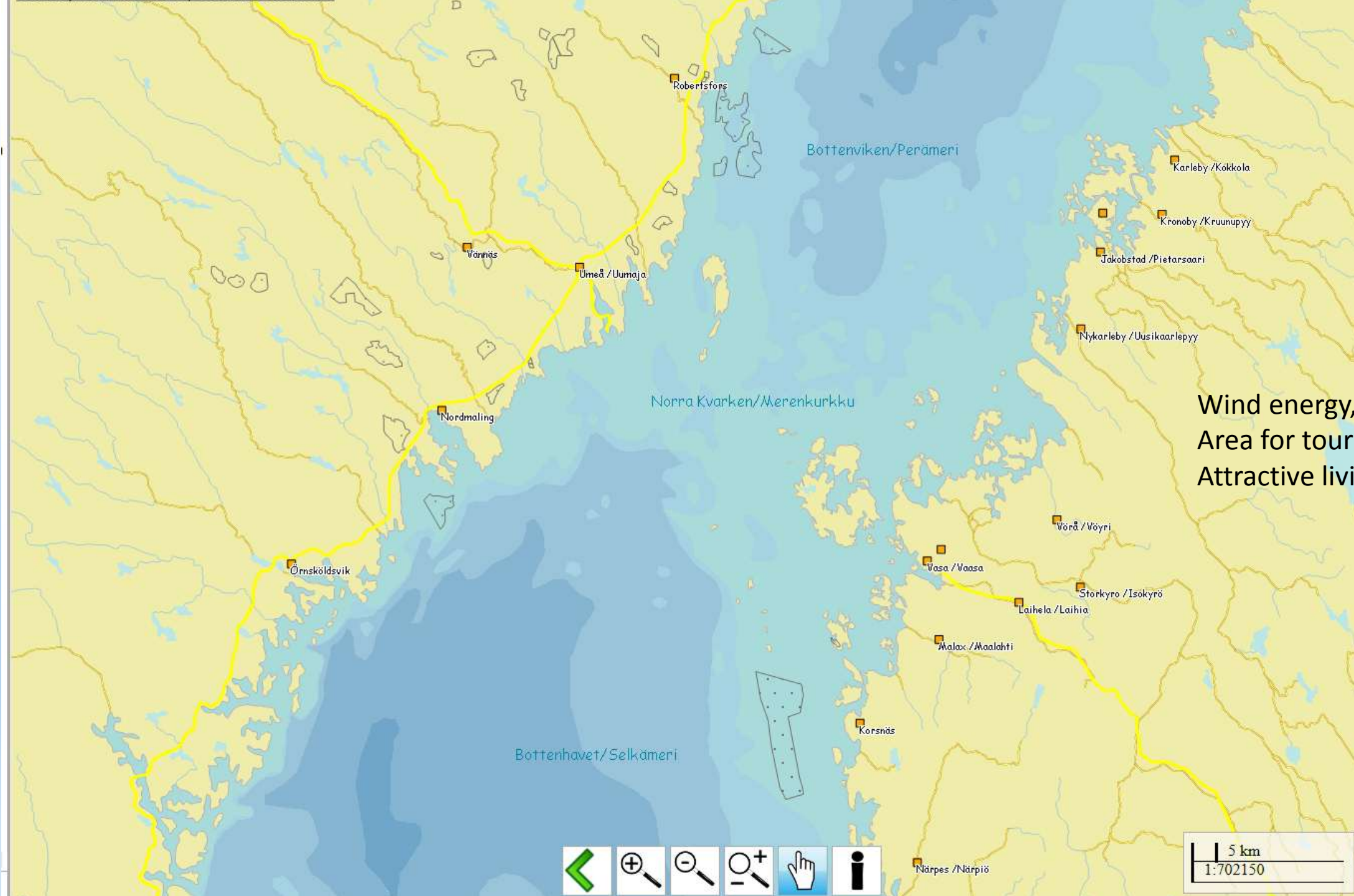
Malas/Maalohiti

Korsnäs

Närpö



5 km
1:1030957



Vindkraftsområde (Tm)

Opacity

Legend

Vindkraftsområden i Umeåregionen (Sve)

Opacity

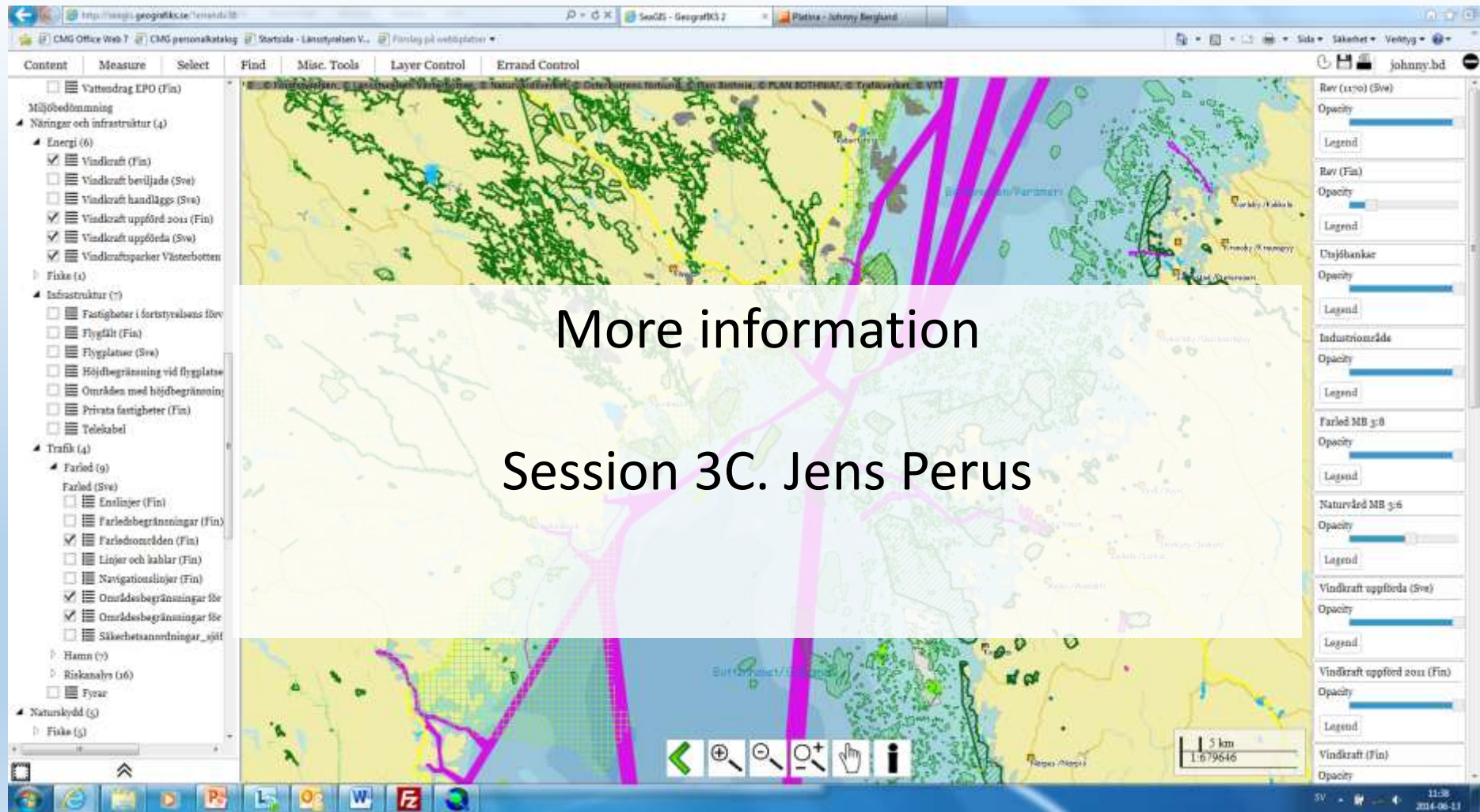
Legend

Wind energy,
Area for tourism / recreation
Attractive living environments

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

Scale bar: 5 km
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!

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