

Nordic cross-border transport initiatives

Central Scandinavian Borderland: Round Table Talk
Oslo 2017-03-13

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Mapping of planned and envisioned cross-border transport initiatives

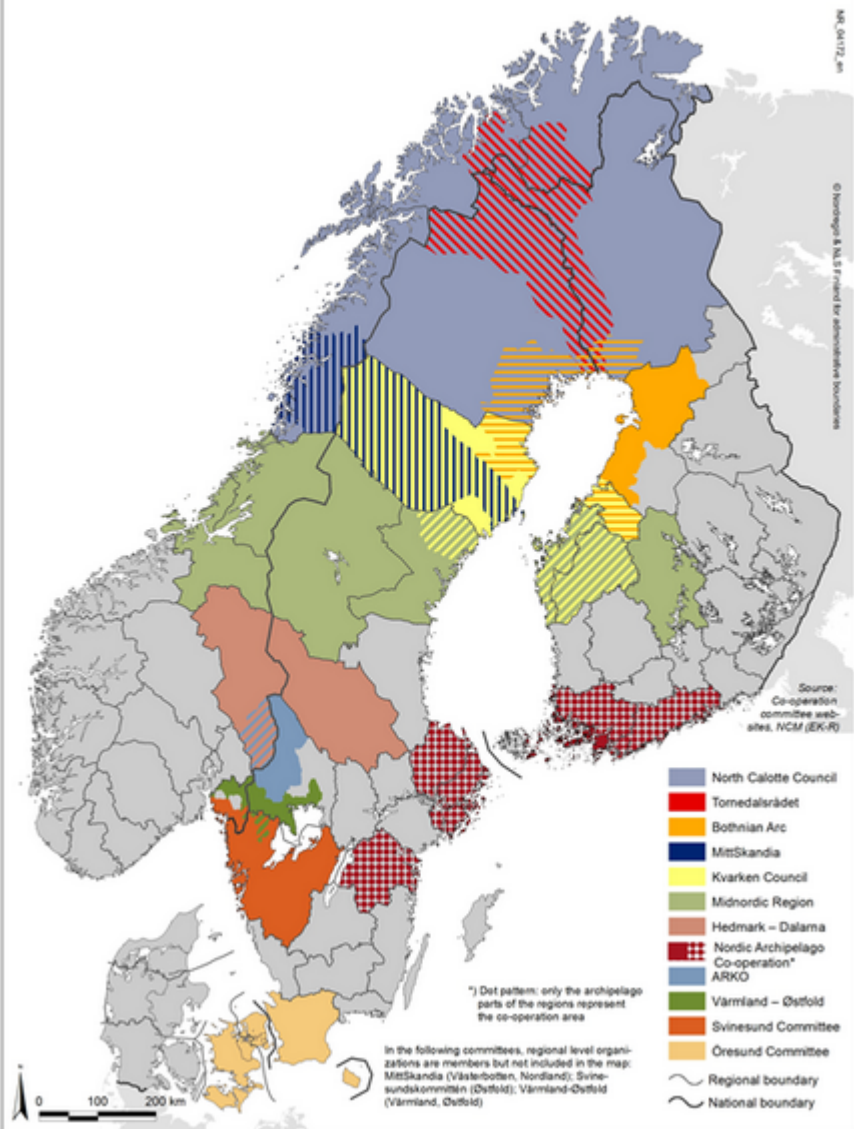
- **Objective:** Make maps that illustrates Nordic cross-border transport initiatives
- **Client:** Svinesundskommittéen + 7 other Nordic cross border cooperation committees
- 5 maps by mode of transport: Road, Rail, Sea, Air and Intermodal
- 1 map showing external gateways to the Nordic countries.

Background

Project number	Project name (in English if possible)	Transport mode (road, railway, etc.)	Geographic coverage – start and end point of project in				Countries involved
			From (city/village)	From (municipality)	To (city/village)	To (municipality)	
1	Feasibility study Oslo-Stockholm new high speed railway	Railway	Oslo C	Oslo	Stockholm C	Stockholm	Norway+Sweden
2	High Speed link Oslo-Stockholm, investment	Railway	Oslo C	Oslo	Stockholm C	Stockholm	Norway+Sweden
3	E18, partial investments in Norway	Road	Vinterbro	Ås	Riksgrensen	Marker	Norway+Sweden
4	E 18, partial investment in Sweden	Road	Töcksfors	Årjäng	Karlstad	Karlstad	Norway+Sweden
5	E 16	Road	Bergen	Bergen	Gävle	Gävle	Norway, Sweden
6	Scandinavian Mountains – An International destination	Airport	Rörbäcksnäs	Malung-Sälen	Rörbäcksnäs	Malung-Sälen	Sweden-Norway
7	E 16 Gävle-Oslo-Bergen	Road	Torsby	Torsby	Kongsvinger	Kongsvinger	Swe Nor
8	Väg 563-1047	Road	Rörbäcksnäs	Malung-Sälen	Östby	Trysil	Swe Nor
9	Väg 25-66	Road	Stöten	Malung-Sälen	Östby	Trysil	Swe Nor
10	Midway Alignment of the Bothnian Corridor	Ferry, road, railway	Umeå	Umeå/Västernorrland	Vaasa	Vaasa/Ostrobothnia	Finland, Sweden
11	E12 Atlantica Transport	Ferry, road, railway	Moi Rana	Moi Rana/Nordlands fylke	Seinäjoki	Seinäjoki/Regional Council of Southern Ostrobothnia	Norway, Sweden, Finland
12	NSB Core	Ferry, road, railway	Umeå	Umeå, Västerbotten	Umeå-Vaasa-Seinäjoki-Tampere-Helsinki, onward through Estonia, Latvia, Lithuania	Umeå-Vaasa-Seinäjoki-Tampere-Helsinki, onward through Estonia, Latvia, Lithuania	Sweden, Finland, Estonia, Latvia, Lithuania, Poland, Germany

- Maps will be based on information provided by the Nordic cross-border cooperation committees
- Maps will show *planned* or *envisioned* infrastructural projects
- Around 40 infrastructural projects identified
- Only *cross-border* projects included

Nordic cross-border co-operation committees
with funding from Nordic Council of Ministers in 2015



Projects identified by cross-border committees

- Värmland-Østfold: 4 projects
- Hedmark-Dalarna: 5 projects
- Kvarken Council: 5 projects
- Svinesund Committee: 4 projects
- North Calotte Council: 10 projects
- Mid Nordic Committee: 3 projects
- ARKO: 2 projects
- MidtSkandia: 1 projects
- External gateways: 6 projects

What kind of Projects?

- **Big and small:**

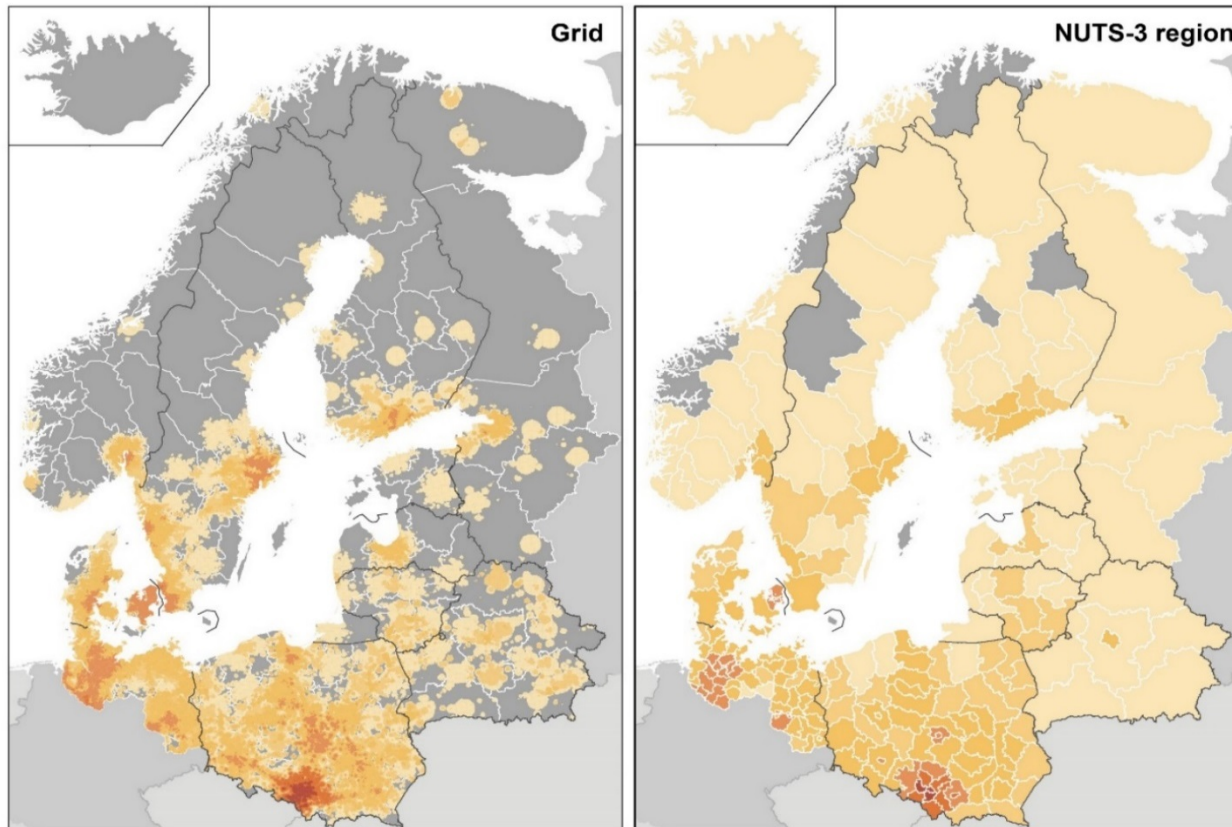
- From railway between Finland and China to improving standard of existing road between Kaamanen and Kirkenes

- **Different status:**

- Already started like Tjernfjelltunnelen between northern Norway and Sweden and future visions like the Hyperloop between Stockholm and Helsinki

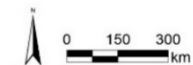
- 38% Rail, 35% Road, 20% Sea and 7% Air

Map example: Functional areas



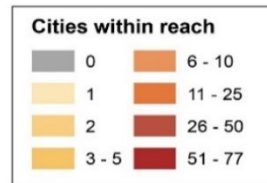
Functional areas 2014

Indicator defined as the number of cities > 50,000 inhabitants that can be reached within 60 min car travel time



BSR countries
Outside BSR

Data source:
ESPON Up-TeMo 2014.
RRG, 2014.
Origin of data:
RRG Accessibility Model,
RRG GIS Database, 2014.

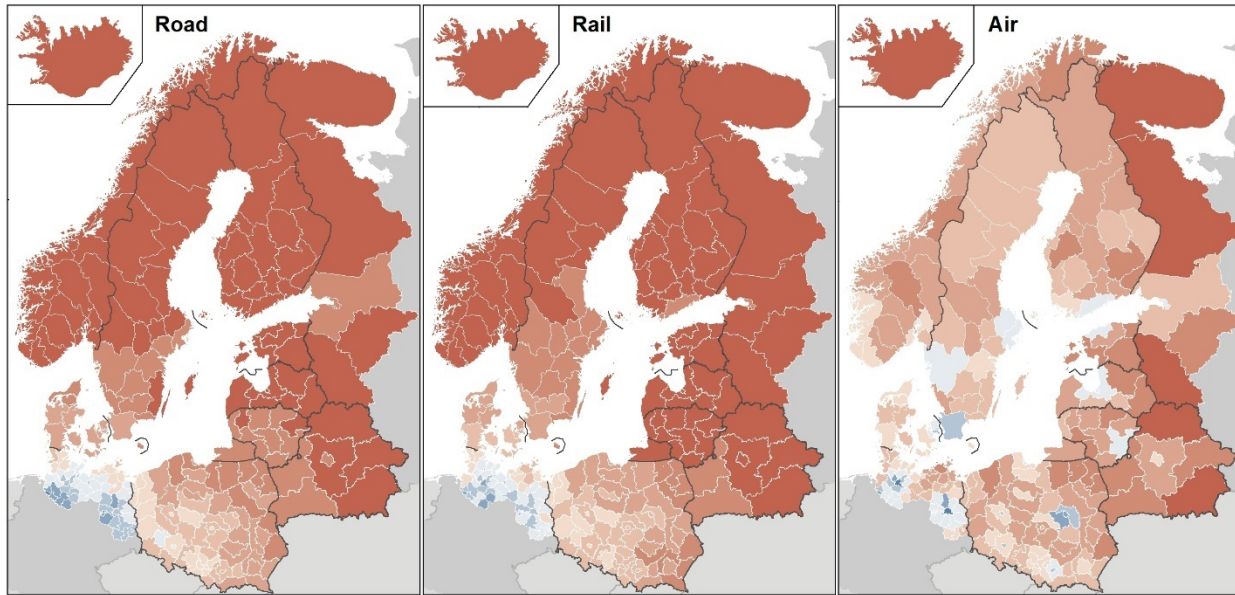


 **NORDREGIO**
Nordic Centre for Spatial Development

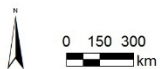
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for administrative boundaries

- Number of cities with more than 50,000 residents that can be reached by car within 60 minutes.
- The more large cities that are within reach, the higher the freedom of choice is for the people.
- For large areas of the Nordic countries, and of the Baltic States, no bigger city at all is within reach.

Map example: Accessibility Potential

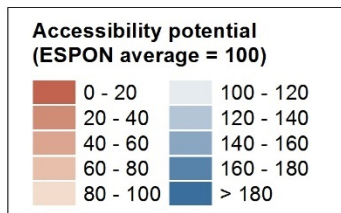


Accessibility potential by road, rail, and air in 2014



BSR countries
Outside BSR

Data source:
ESPON Matrices 2014.
S&W, 2014.
Origin of data:
S&W Accessibility Model, 2014,
RRG GIS Database, 2014.



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for administrative boundaries

- Accessibility = how easy people in one region can reach people in an other region.
- Accessibility of a region is indirectly a measure for the potential for activities and enterprises in the region to reach markets and activities in other regions.
- Accessibility in the BSR in general low compared to the ESPON average

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SEARCH

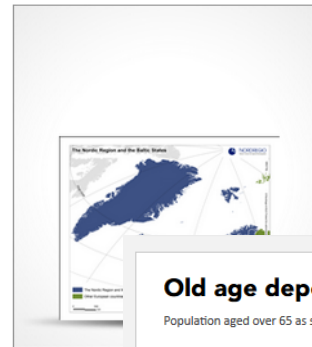
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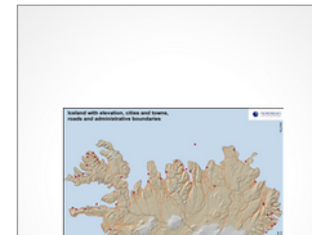
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- City n
- Other



2016
Regions and municipalities in the Nordic region in 2016

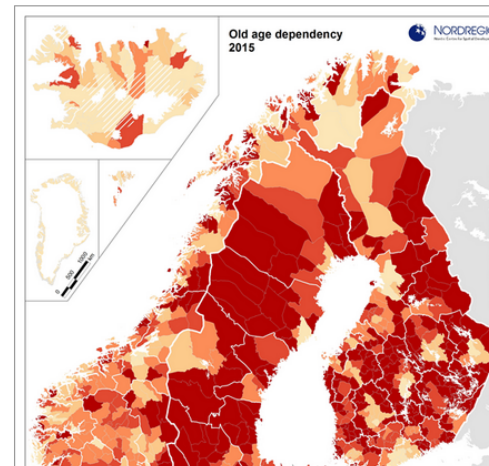


2016
The Nordic Baltic States



Old age dependency 2015

Population aged over 65 as share of population aged 15-64



Map facts

Old age dependency rates are rising across the Nordic countries, and they are particularly high in remote rural municipalities. The highest rates can be found predominantly in insular municipalities of Finland (e.g. Kustavi) and Denmark (e.g. Læsø) and in a rather large number of rural municipalities in Finland (e.g. Luhanka) and along the Finnish-Swedish border (e.g. Pajala). The lowest rates can be found in both Greenland and most of Iceland as well as in the largest urban areas in Denmark, Finland, Norway and Sweden.

Map ID: 02217

[Read more about this research](#)

Designer/Cartographer
Julien Grunfelder

Data source
NSIS

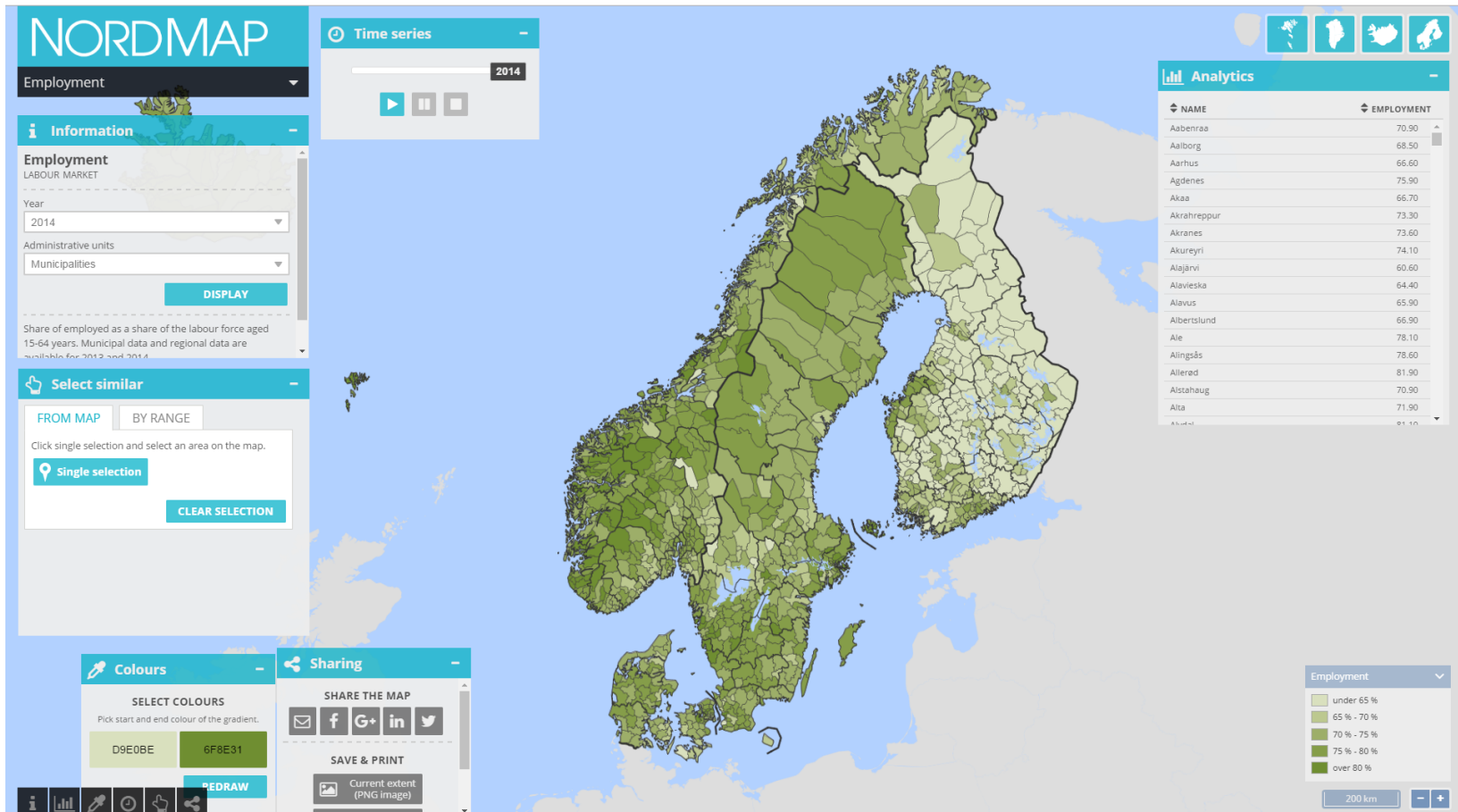
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- Several themes regarding regional development and different geographical scopes

Nordmap - web-mapping tool for the Nordic Region



www.nordmap.se

Thank you!

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