

# The Impact of Migration on Nordic (and Baltic) Cities and Regions



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**NORDREGIO**  
Nordic Centre for Spatial Development

- Demographic situation in the Nordic Countries (and in BSR & Europé)
- Migration

# Demographic changes

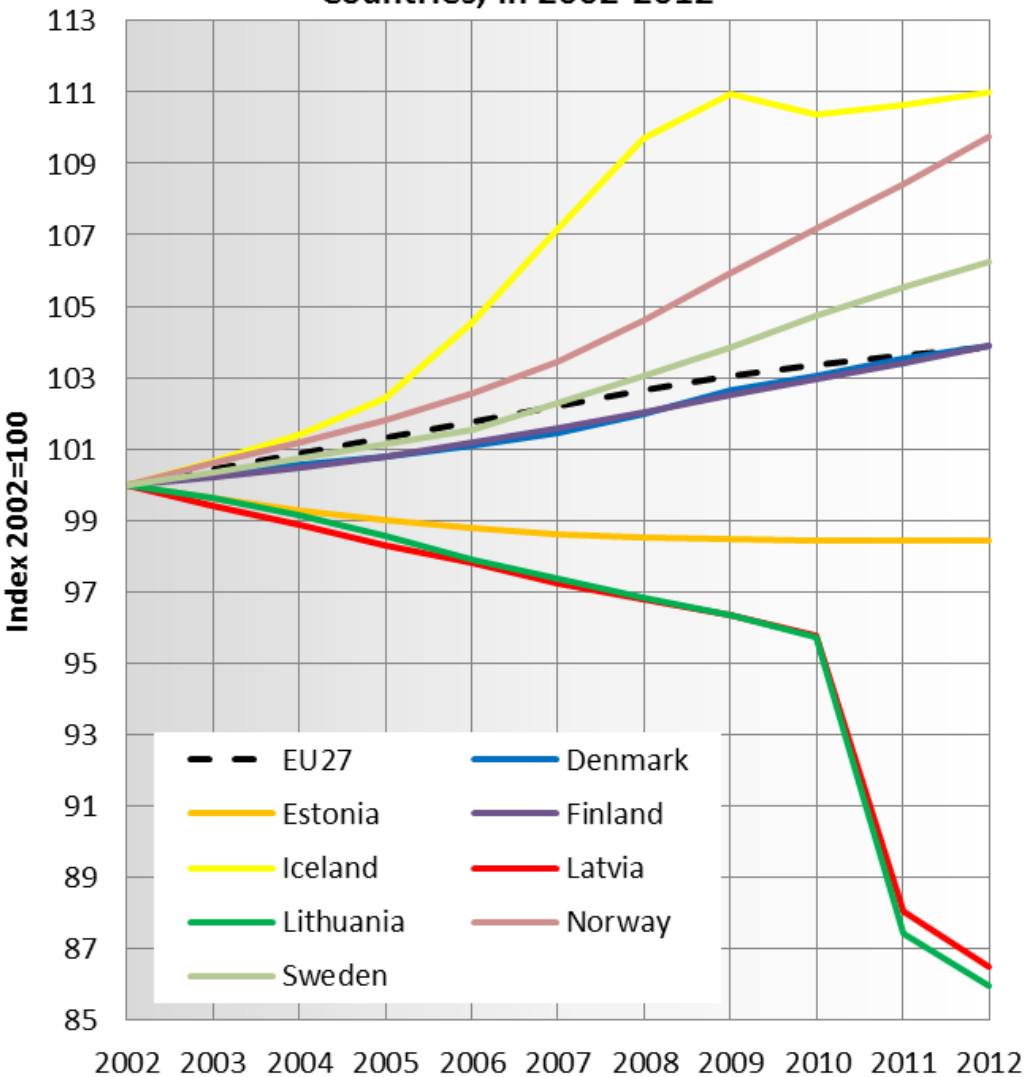


- Regional differences
- What are the main drivers?
- **Scale** – What do we want to highlight ?



# Population change 2002-2012

Population change in the Nordic & Baltic Countries, in 2002-2012



Index 2002 = 100

Annual average change for the Nordic Countries 0.6 %

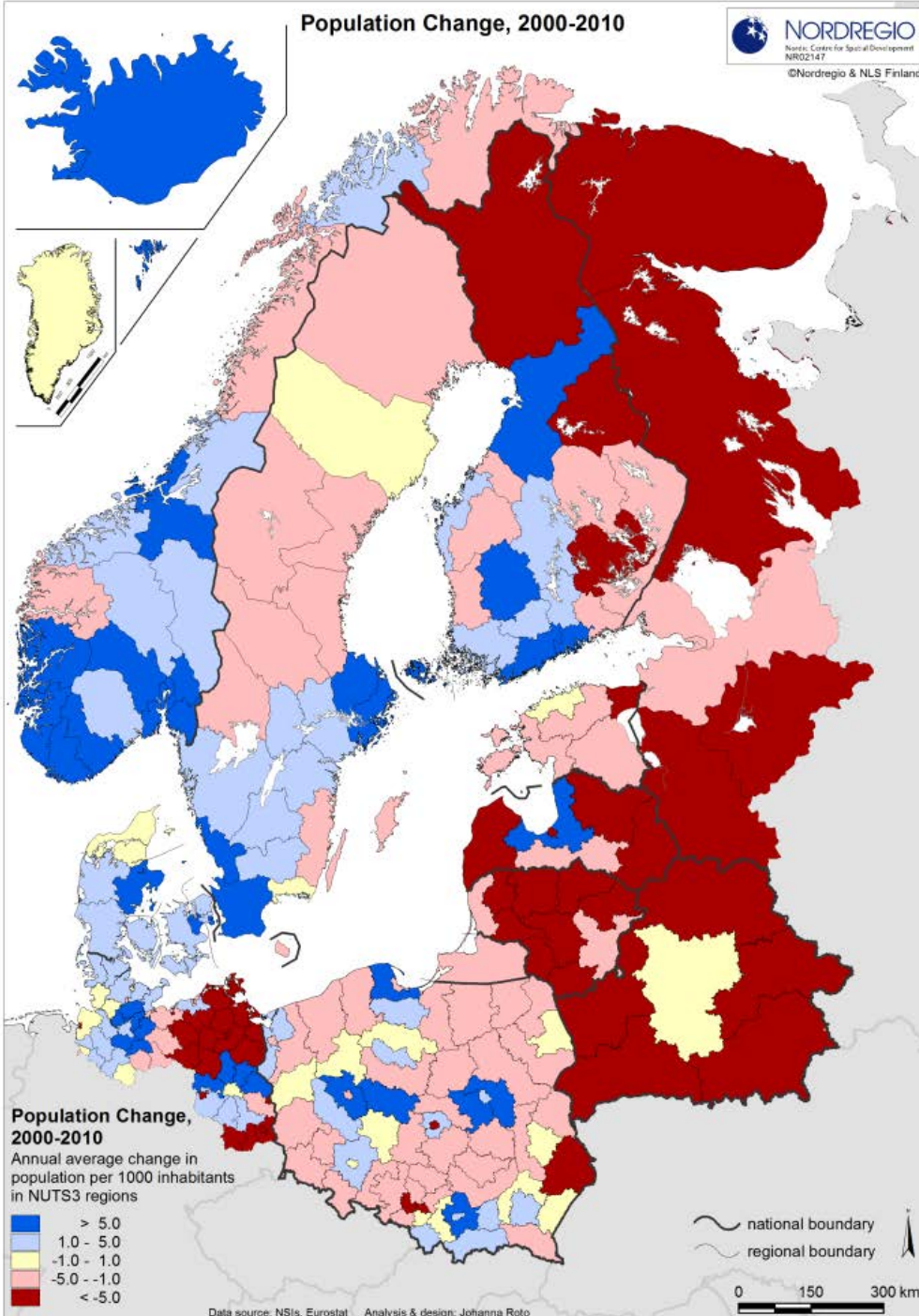
Impacts of the economic crises

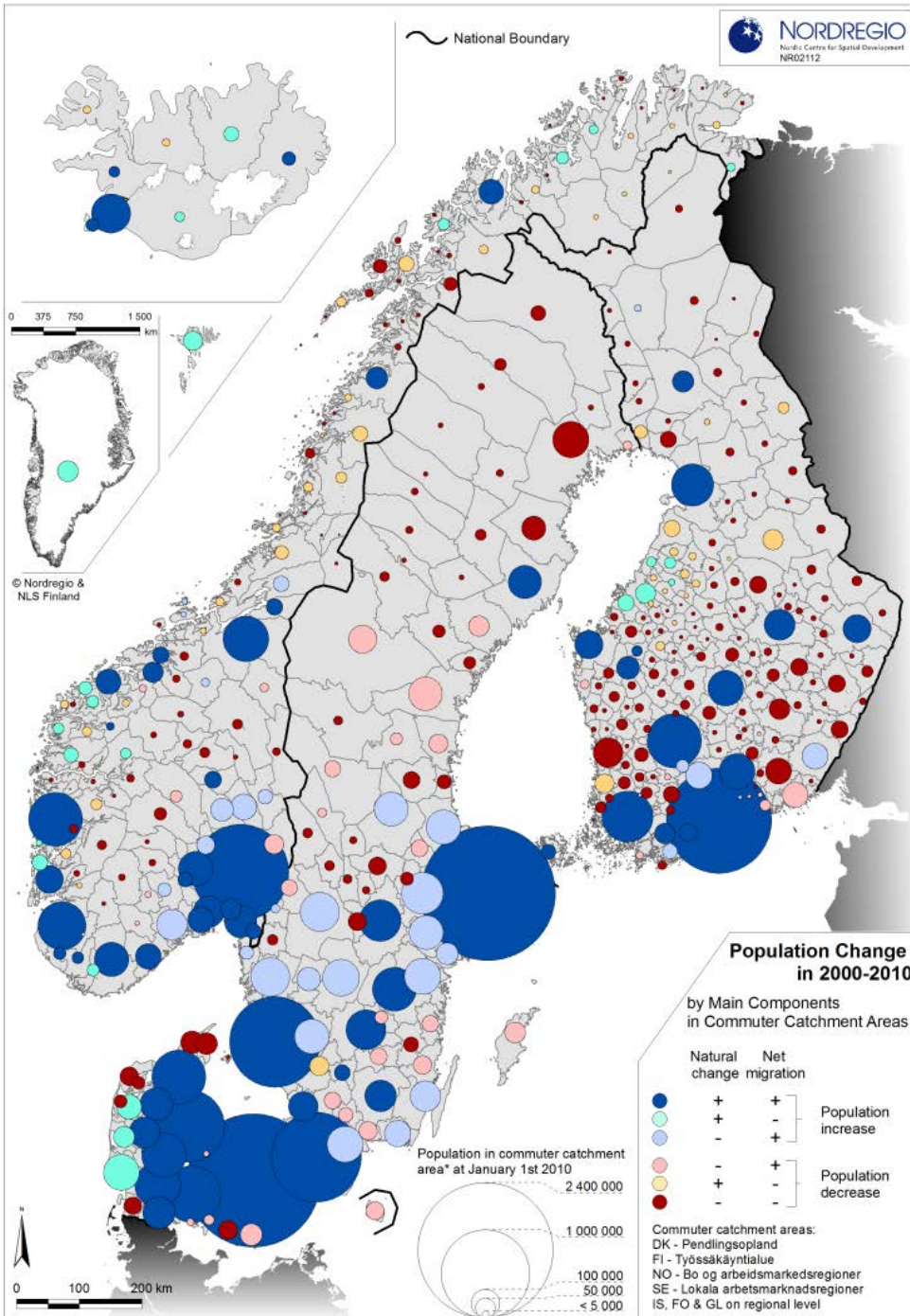
## Population Change, 2000-2010

# Population change 2000-2010

## Spatial polarisation:

- North-South
- East-West
- Urban - Rural



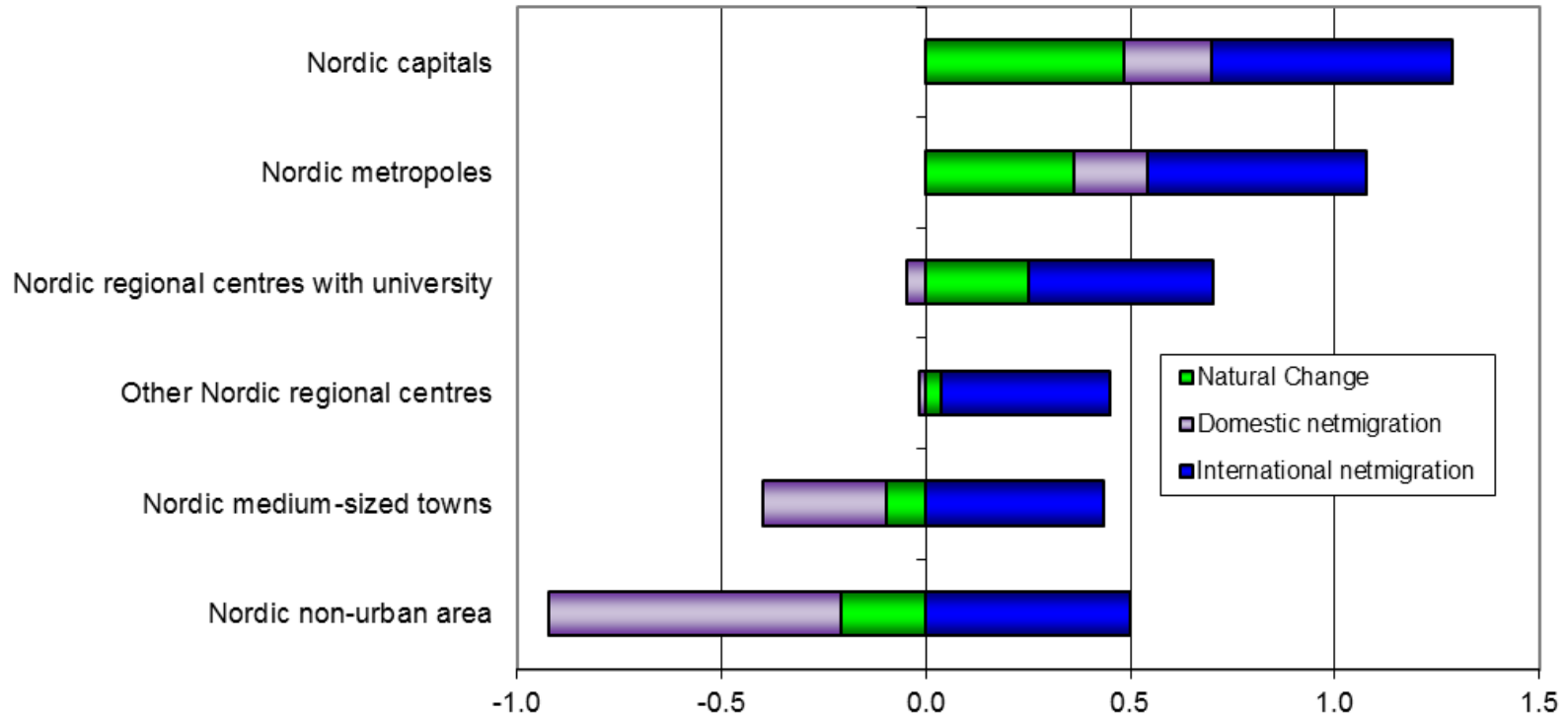


# Local labour markets

- Population change 2000-2010
- Differences between different types of LLMs

# Size matters?

Population change by main compomenets,  
annual average 2006-2010

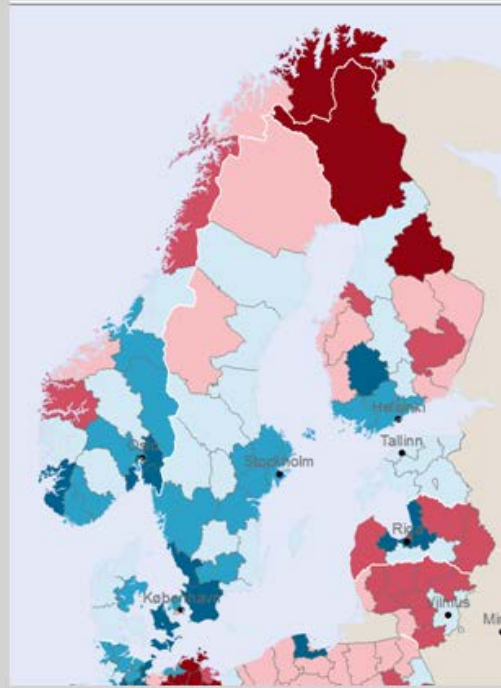
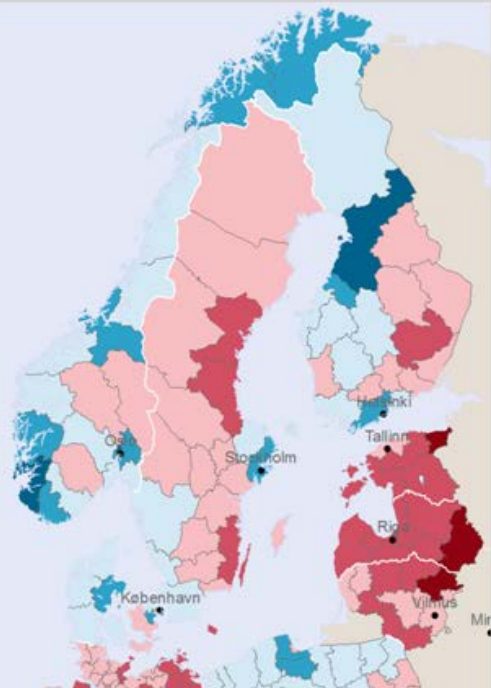


# NUTS3

- Population change 2000-2007 on regional level
- Natural change: Nordic city regions and some regions with younger age structure (NO)
- Migration: urban – rural; north-south

**Natural change**

**Netmigration**







# Migration



# Main bilateral brutto migration flows

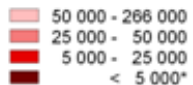


## Main European migratory flows

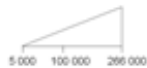
- Bilateral flows
- Within Nordic Countries
- To Nordic Countries
- to UK

Main bilateral brutto migration flows between the ESPON countries, 2006-2007 average

Main brutto migration flows between two ESPON country, in persons

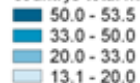


The size of line is relative to total number of migrants (immigration + emigration)



Diversity of migration in intra-ESPON flows

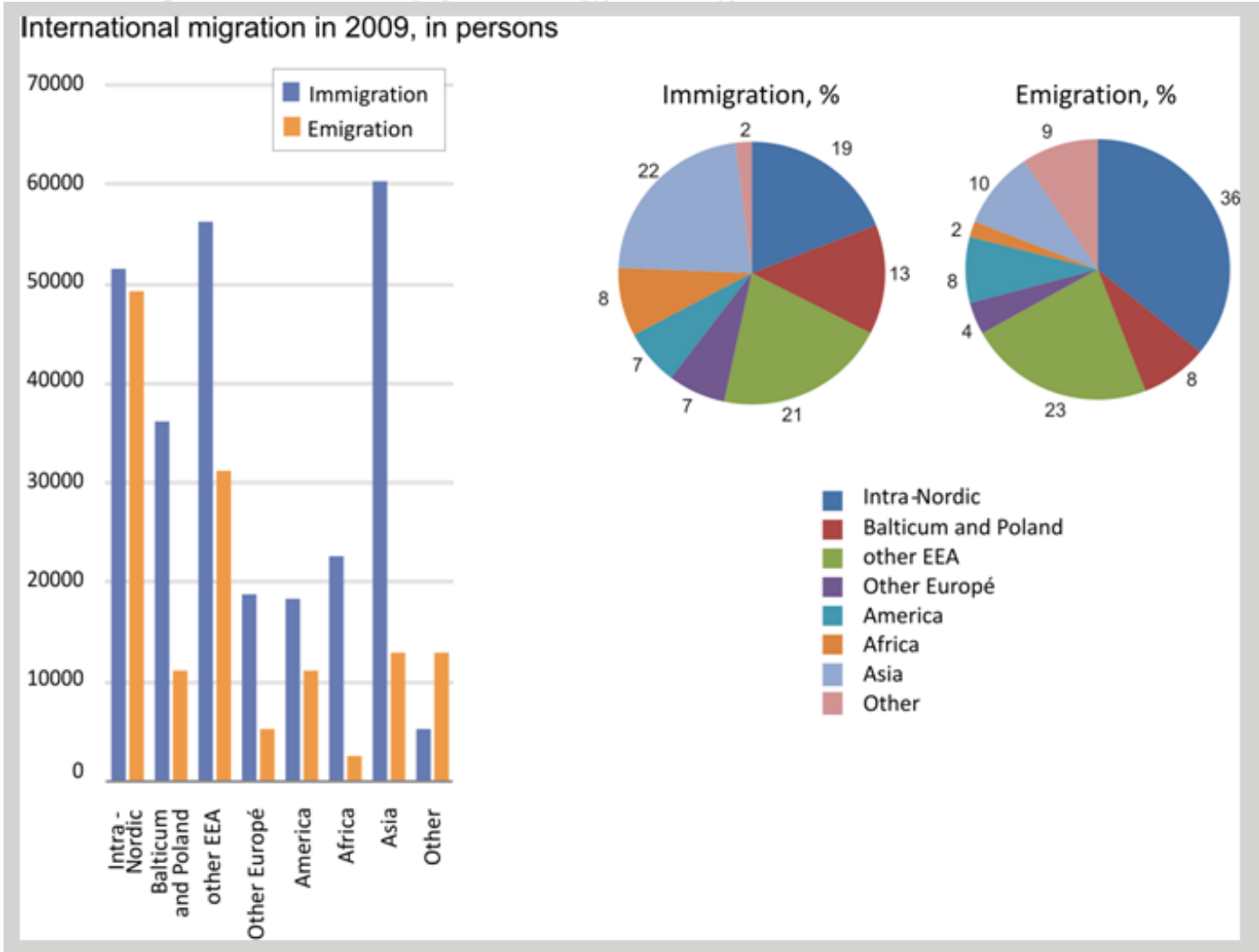
Total number of im- and emigrants in the main migration flow as a share of country's total migration flow, in %



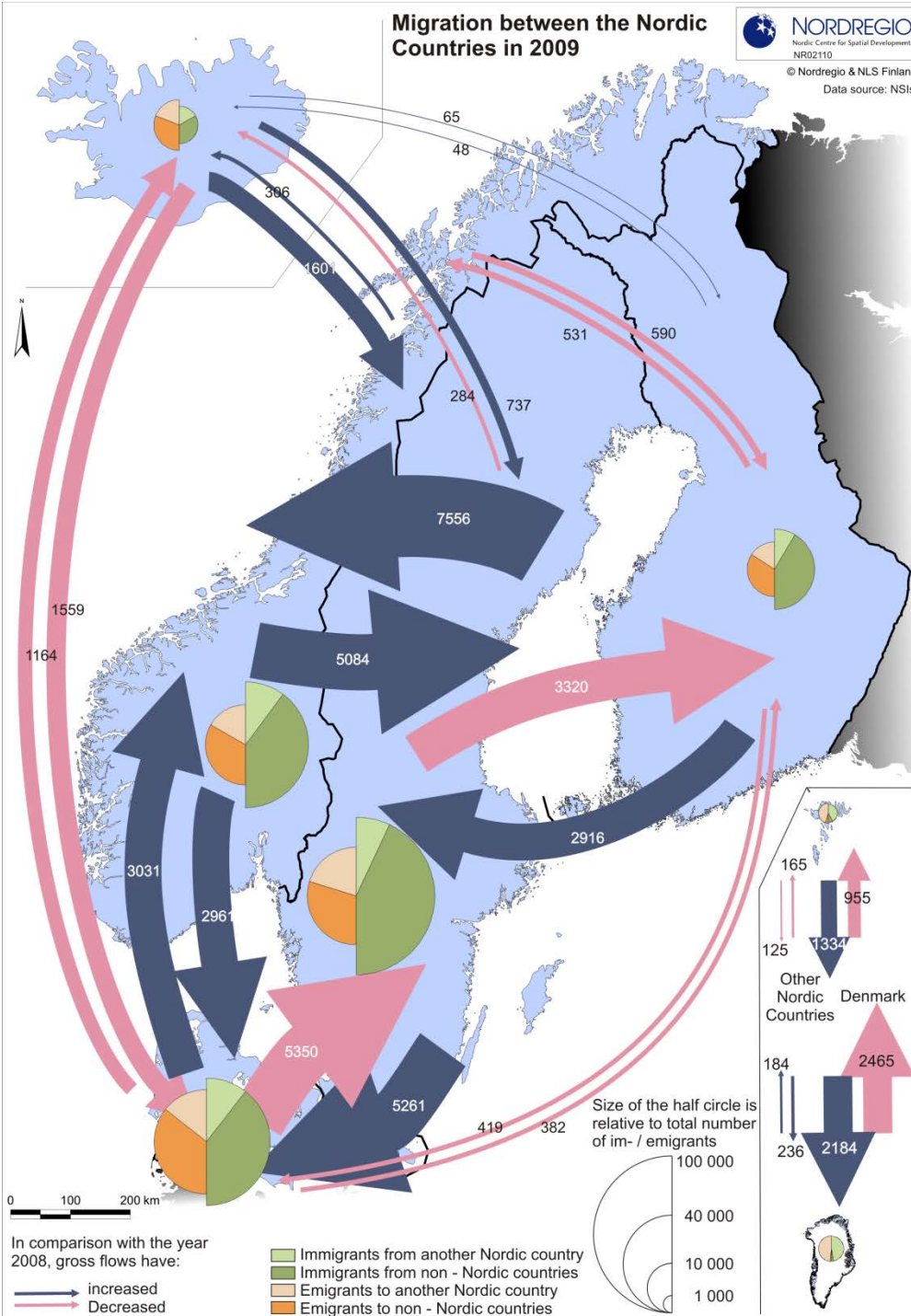
\* Flows with under 5 000 persons are shown only in case that there are no larger flows related to one country - the main minor flow shown to EE, IS, LI, LV, MT & SI

Regional level: NUTS 0  
 Source: ESPON 2013 Database 2010  
 Origin of data: MIMOSA project 2009, Eurostat 2009  
 © EuroGeographics Association for administrative boundaries

# Origin & Destination of Nordic Migrants



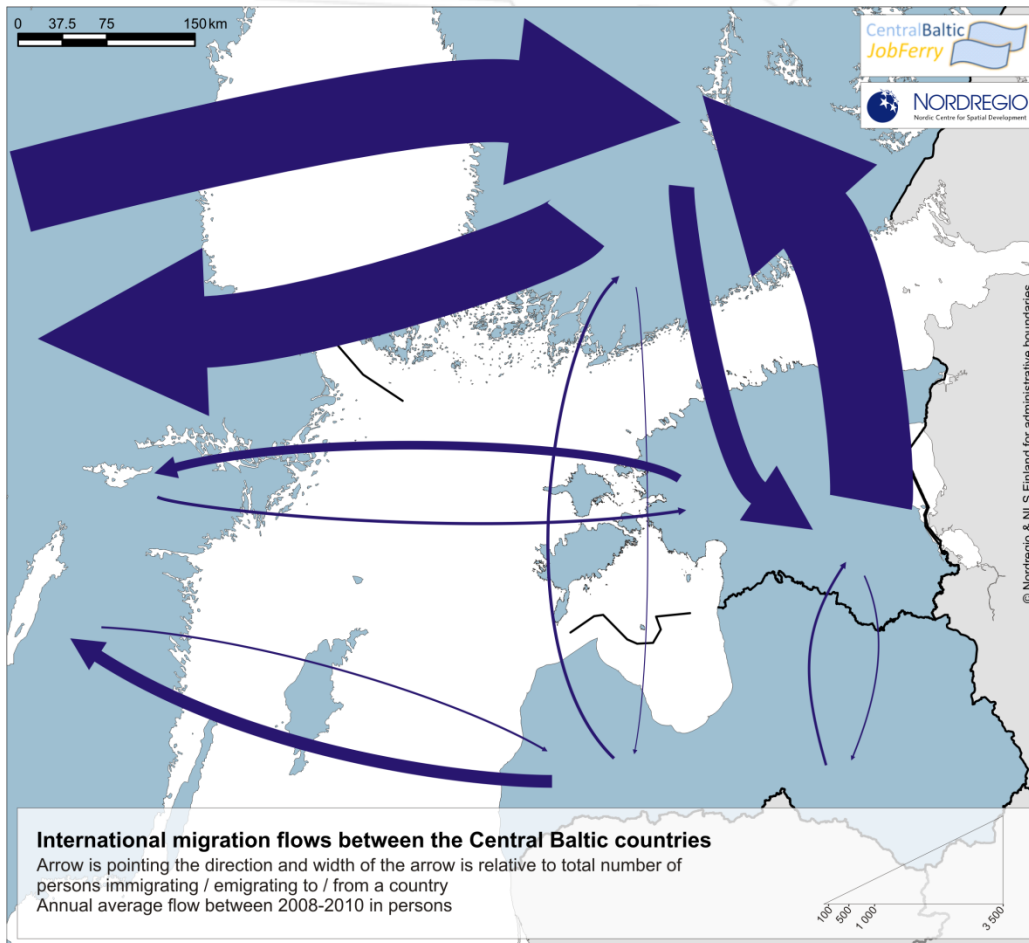
# Migration between the Nordic Countries in 2009



## Nordic linkages

- Map: International migration between the Nordic Countries

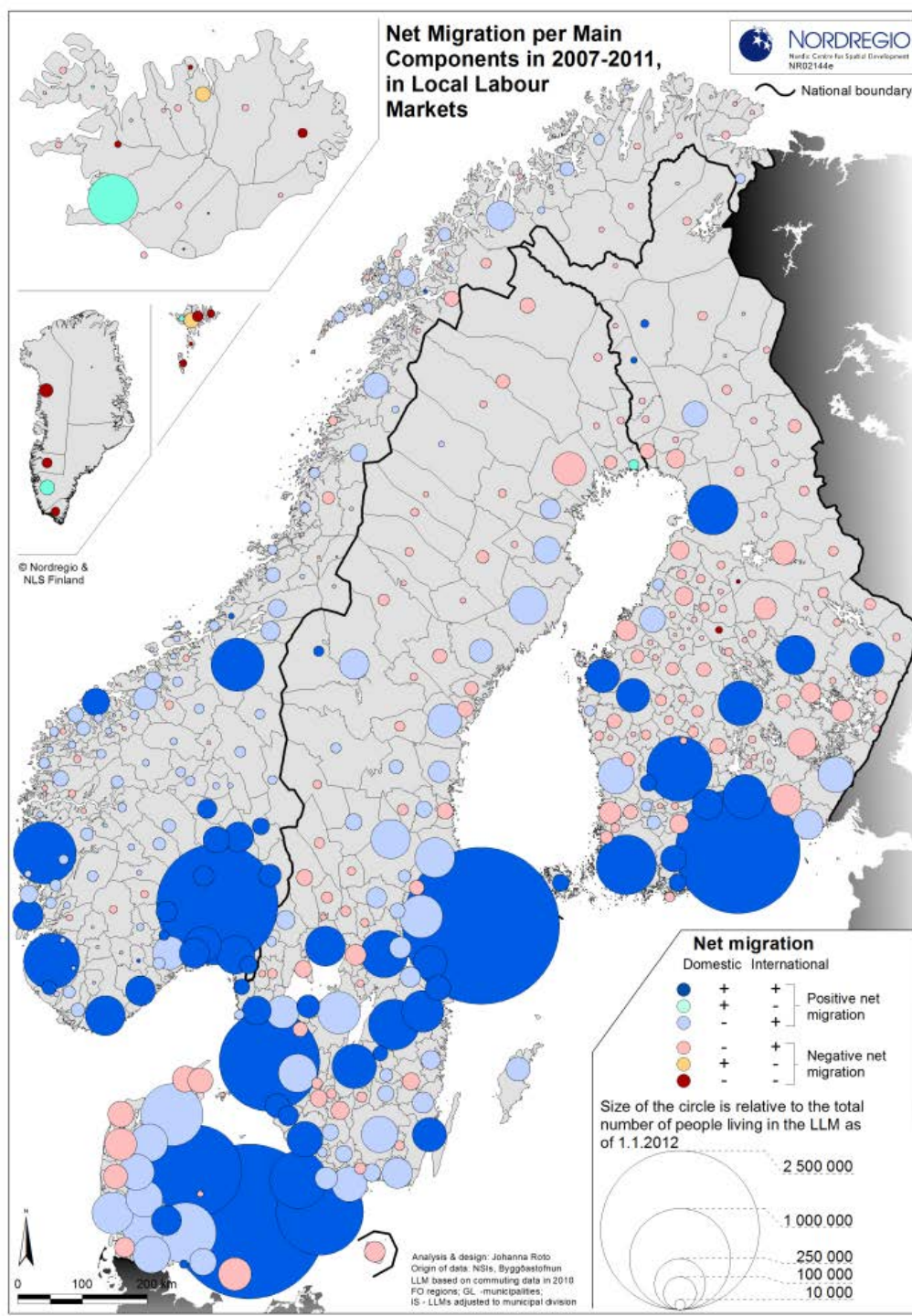
# International / Transnational



- Map: Migration between Central Baltic Countries

# Net Migration per Main Components in 2007-2011, in Local Labour Markets

National boundary

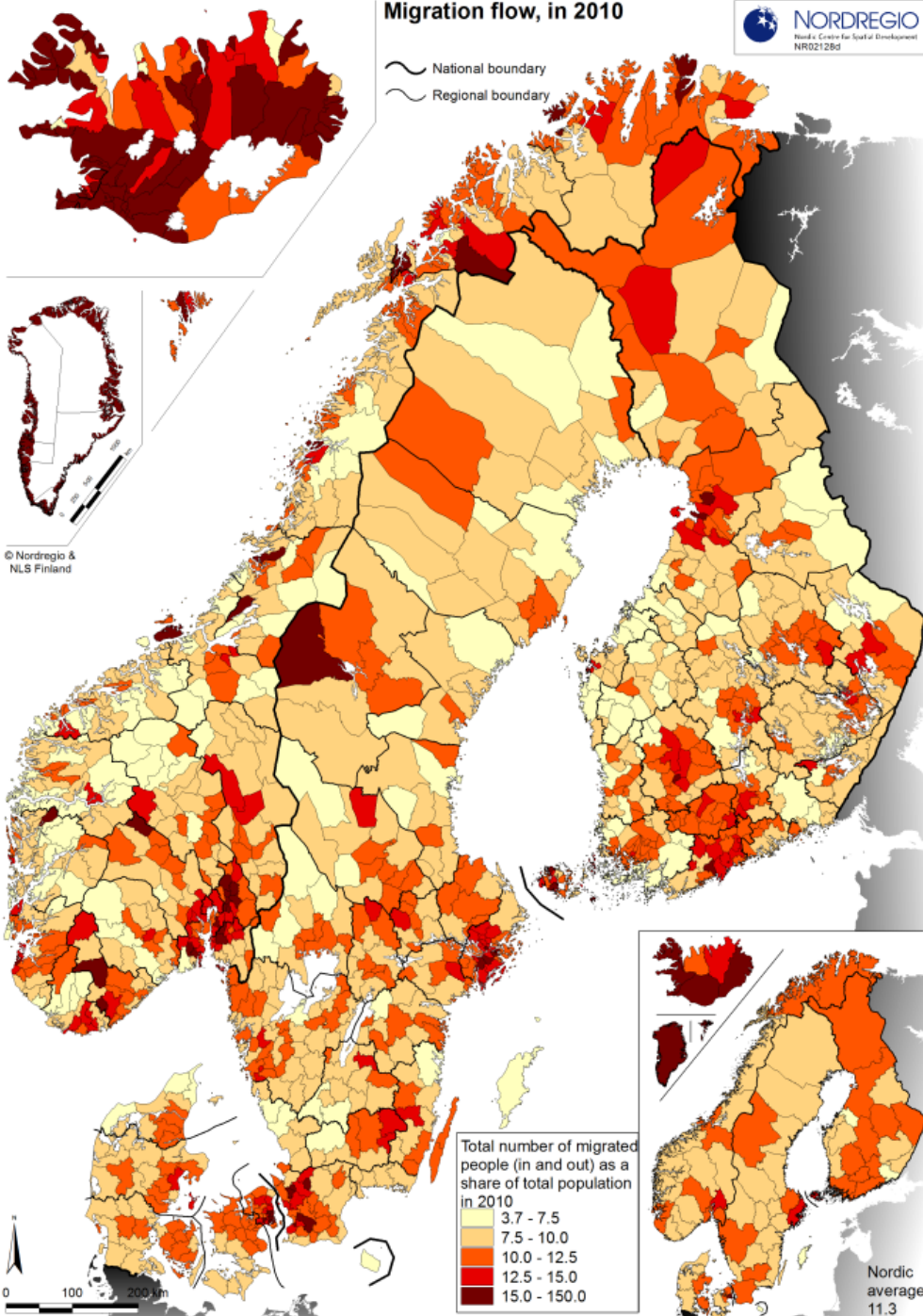


# Who is really moving?

- Is it this simple?

## Migration flow, in 2010

— National boundary  
— Regional boundary

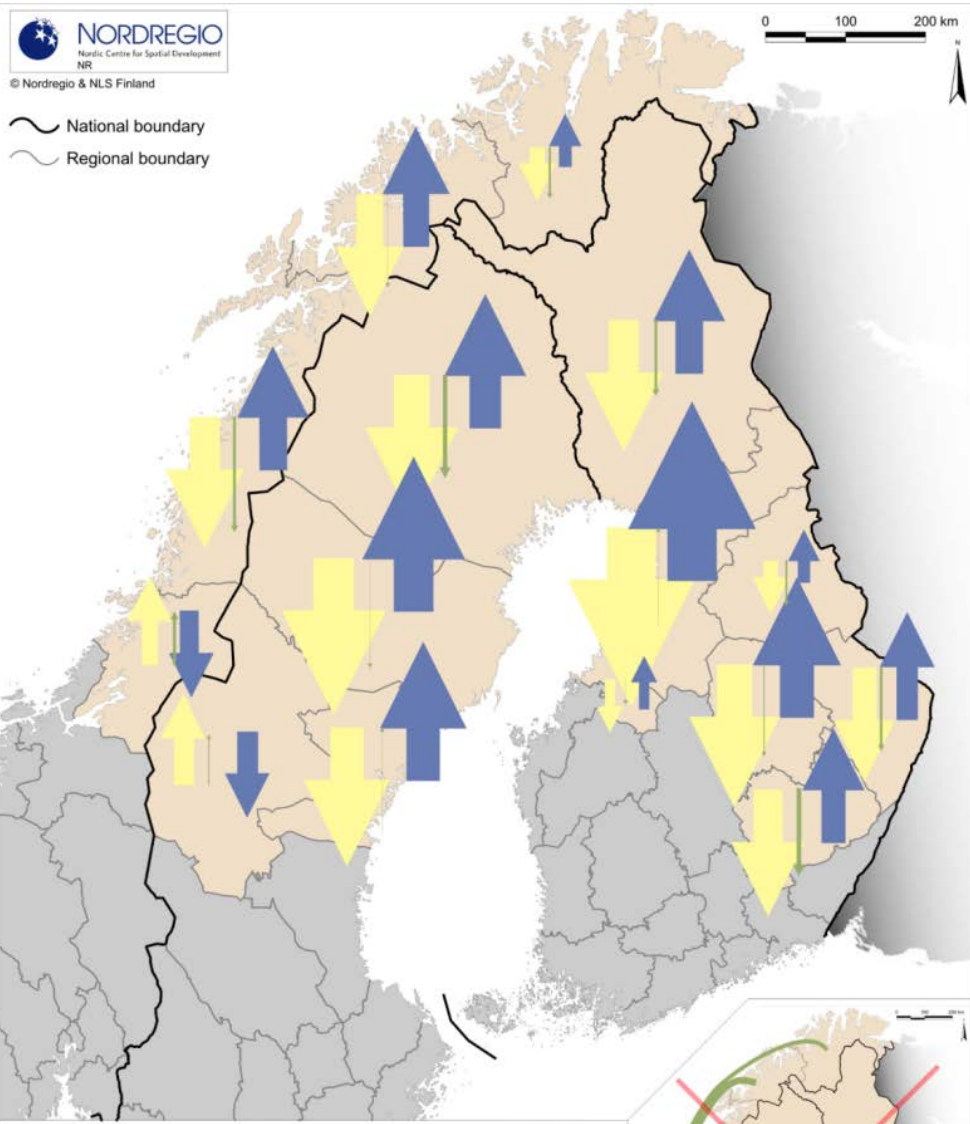


# Migration intensity in 2010

- Importance of migration: 11.3% of the Nordic population changed its place of living in 2010
- Migration flows
  - In- and out-migration (+/- 10%)
- Net migration
  - Balance (+/- 0.5%)

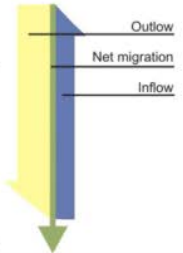
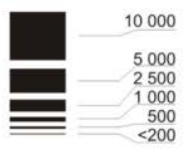
— National boundary  
— Regional boundary

0 100 200 km

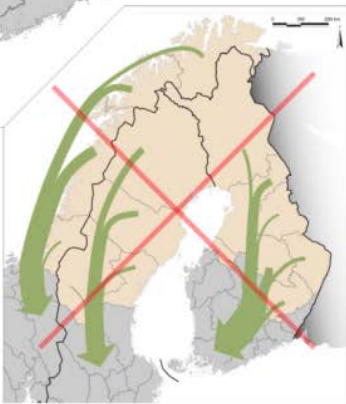


**Total migration flows in the NSPA, in 2007**

In and out-migration flows to & from the county in 2007.  
Volume, in persons



Data source: NSIs



# Migration

- In- and out-migration vs netmigration

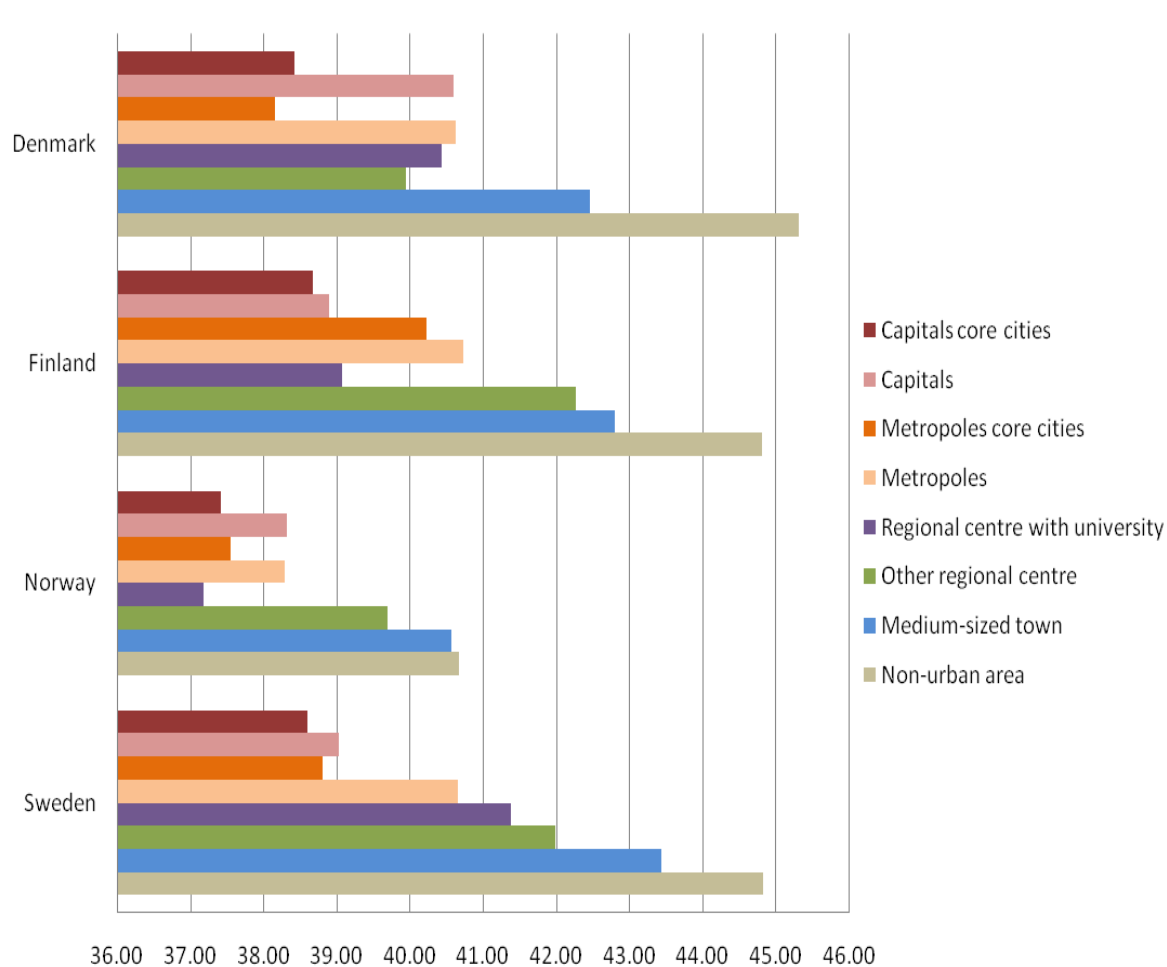


# Impacts on population structure



# Age structure

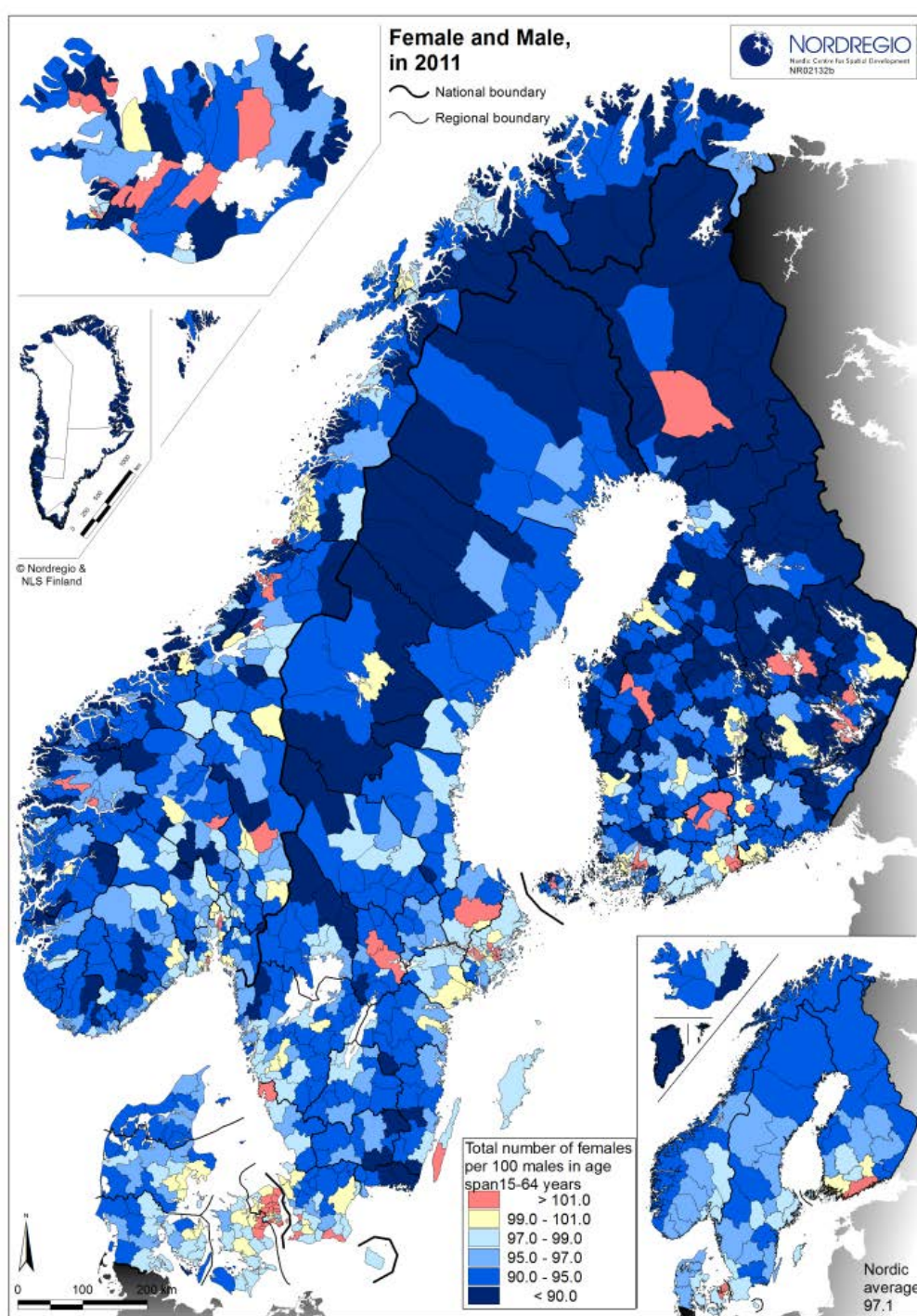
Average Age on Nordic Settlement Types in 2010



**Median age in Norden 40.2 years**

### Female and Male, in 2011

— National boundary  
— Regional boundary

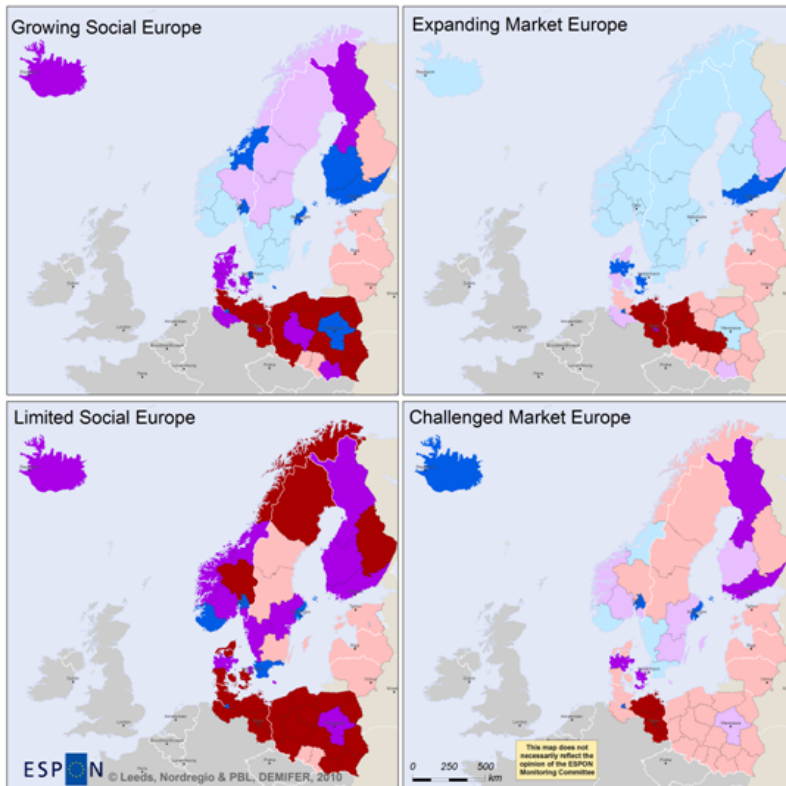


# Gender

- Females/Males

# Labour Force & Population Change in 2005-2050 – Scenarios for BSR

## Population and Labour Force Change 2005-2050 in BSR



- Diverse pattern
- Nordic challenge with increasing population but decreasing labour force
  - Similar development in Scotland, North-East France and in some Spanish regions
- Sjælland & Midtjylland (DK) and Etelä-Suomi (FI) are the regions with highest difference bw population and labour force change

# More information

- ESPON – DEMIFER
- Demographic Synthese Report (2011) (<http://www.nordregio.se/en/Publications/Publications-2011/Demography-in-the-Nordic-countries---A-synthesis-report1/>)
- Demographic trends in the Nordic local labour markets (<http://www.nordregio.se/en/Publications/Publications-2012/Demographic-trends-in-the-Nordic-local-labour-markets/> )
- Centralbaltic Job Ferry (<http://www.nordregio.se/en/Nordregio-Research/Centralbaltic-Job-Ferry-/> and <http://cbjobferry.eu/> )

# Questions?



Maps can be downloaded: <http://www.nordregio.se/>  
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