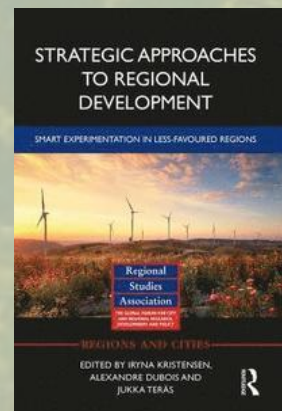


# Connecting smart specialisation and Digital Hubs in Arctic

Jens Sörvik, Tromsø 29/01/2020

# Background

- Based on process at JRC, with actors from Nordregio - began in Rovaniemi workshop in 2014
- Work at the S3 platform on RIS3 in sparsely populated areas
- Work on Digital innovation Hubs
- Book chapter on Digital innovation Hubs (cluster organisations) in Sparsely populated areas



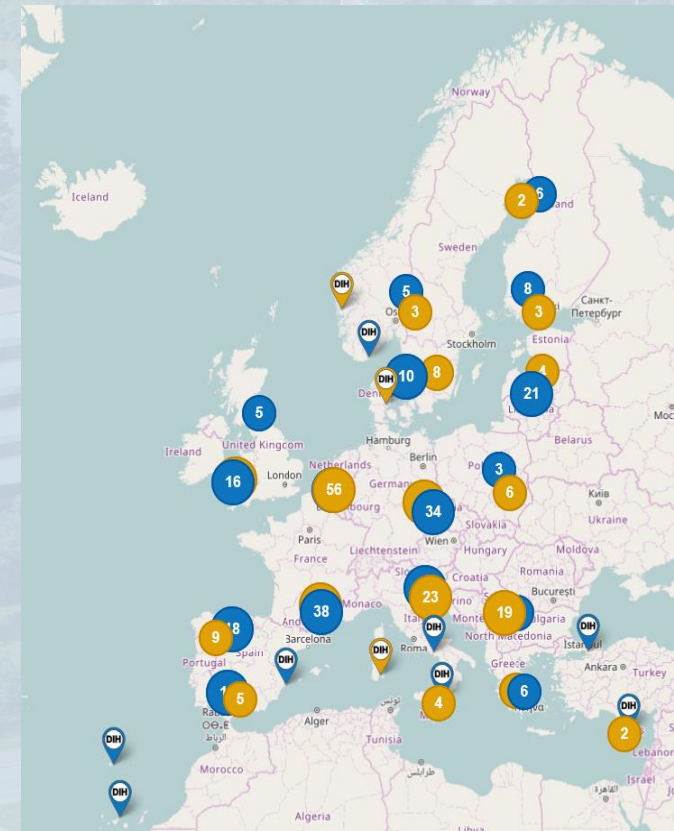
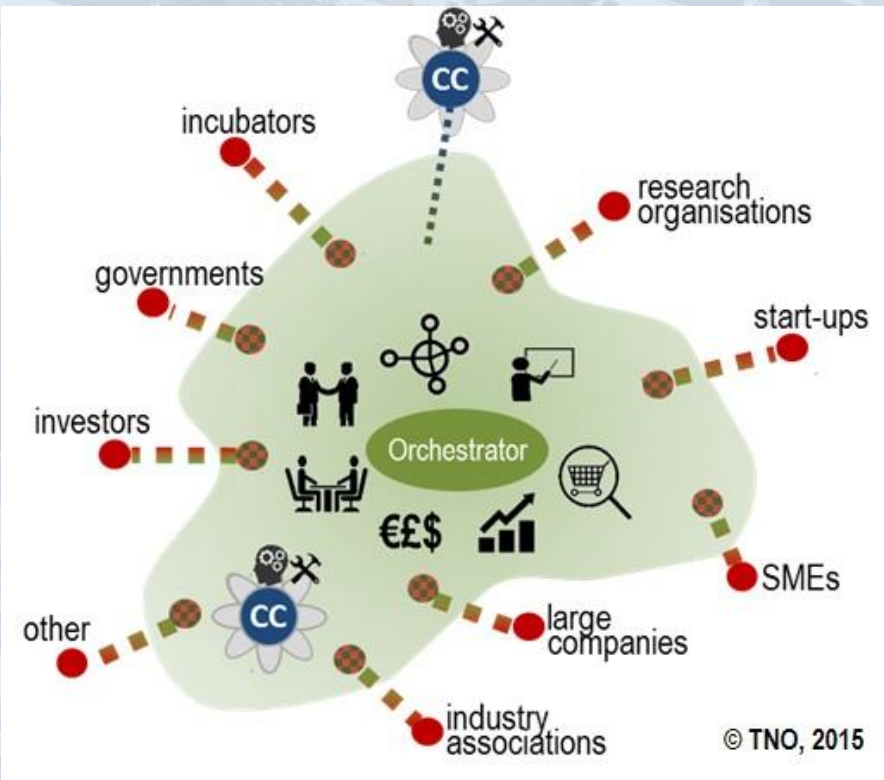


# **Special conditions for RIS3 in Arctic**

- **Fewer actors and long distances, complicating processes**
- **Few dominating domains, ... diversification**
- **Need for new skills and upgrading of traditional sectors**
- **External sources of knowledge**
- **Local anchors to connect to global innovation networks, e.g. multi-nationals, advanced suppliers and academia.**
- **Digital solutions are important**



# Digital Innovation Hubs



# Digital Innovation Hubs role in RIS3

## All take part in RIS3 processes

- **Provide services**
- **Leadership for a priority area**
- **RIS3 design**
- **Some have also been outcome of RIS3 process.**

### RIS3 area 1:

Process  
industry digital  
technologies

### RIS3 area 2:

New types of  
tourism  
experiences

### RIS3 area 3

Testing, tests  
and pilots of  
products in  
sparsely  
populated areas

Innovation vouchers

Digitisation support

Start-up support



# Digital Innovation Hubs in Arctic

- **Overcome knowledge concentration in urban center**
- **Need for intermediaries – connect anchors and suppliers**
- **In EU/national in themes – longer term development, strategic agendas**
- **Within region, less thematic & more short term**
- **Distributed innovation support network with localised specialisations in a type of hubs and nodes model.**
- **Provide support to SMEs needs, be knowledgeable about opportunities - consultants.**
- **Important partners in RIS3 or lead of area**

# Thank you!

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# Joint RIS3 themes in arctic

- Health and Life Science
- Industry ICT
- Mining
- Forestry
- Energy
- Experience-based economy

# Themes of arctic DIH in catalogue

- Health
- ProcessIT
- Internet of Things
- Cloud data
- Gaming



# Digital support in Västerbotten

- **The Inland node - a support network founded by three municipalities (Åsele, Vilhelmina and Dorotea), the regional administration and ProcessIT.**
- **Provides differentiated services depending on the location but pools and links resources to provide adequate support through the network.**
- **Connected – the Technology Park of the Inland - supports digitalisation of manufacturing industry in the inland area of Västerbotten**
- **Collocated with the secondary school Malgomaj gymnasium, which educates and develops skills related to manufacturing industry.**
- **ProcessIT –complex projects with industry at national level and EU level**





# Process IT & Oulu Health

- Working with regional, national and EU net
- Different time scales in support
- Oulu health – has taken lead in regional RIS3 on health topic
- Process IT partner in RIS3 development process.



# Digital Innovation Hubs in RIS3

- The focus of ProcessIt and Fiber optic valley seems to be a sliding scale of two parameters:
  - geographic scope and domain focus.
  - work more horizontally with digitalisation and innovation support in region
  - engage in national projects where they are more vertically domain-focused.
- Upholds important relations in the region and establishes important extra-regional networks.
- Clusters/DIH involved in RIS3 process – long term strategic partners
- Knowledgeable about industry needs - needs inventory processes
- Important for initiating projects as well as for building relations and knowledge about the industry.
- Not in charge of a domain or innovation agenda – regionally
- Involved in national and EU strategic agendas.