



European Network for  
Rural Development

# Norrbotten County concept: Smart sustainable villages of rural Arctic

Johanna Lindberg,  
County council Norrbotten

Brüssel – 21 may 2019



#RuralDepopulation

# Norrbotten County

- The population in the County is ca 251 000 people, spread over 14 municipalities
- The area is 97 000 km<sup>2</sup>
- The total area of Belgium, the Netherlands and Luxembourg



## On top of Europe – with some specific challenges delivering some unique potentials...

- 90 % Iron ore
- The Sami - indigenous people
- Tourism - wilderness, darkness and light
- Datacenters
- World-leading e-health knowledge



# Smart sustainable villages – digitization of rural Arctic



# Smart sustainable villages – digitization of rural Arctic



**Analysis needs for people, businesses, environment and technology**



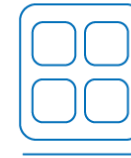
**Infrastructure: mobile coverage and fiber/wireless access**



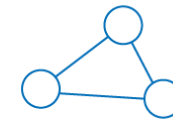
**Collection of open data and big data analysis**



**E-services for rural areas**



**Open source platforms**



**New e-services are used**  
Digital competence / communication | New working methods & business models

- Projects**
- [Preliminary study "Smart Sustainable Villages"](#)
  - [Mobile coverage mapping.](#)
  - Post Doc "data analysis / mapping", Ltu

- [#fullcoverage](#)
- Financing of the last 10% expansion of broadband in rural Arctic
- [ITN and municipalities' in rural Arctic work with expansion of fiber broadband and radio link](#)

- Open data for collaboration of service in rural areas in rural Arctic

- [Testing of digital services in villages in Norrbotten, Living lab.](#)
- [Predictive Movement](#)
- [Norrbottens E-nämnd e-services for municipalities](#)

- Open E platform, E-Board of Norrbotten
- [National ombuds-platform](#)
- [Predictive Movement](#)

- Digidel-centers
- Digidel-conference
- NM digitization sparsely populated areas
- [Films on utility with broadband](#)
- [TEDx Arjeplog](#)

- [Service as a process in the region](#)
- [Service in collaboration develops Gällivare](#)
- [Service in collaboration, HSSL](#)
- [SID –Coompanion](#)

# Cohesive rural policy is needed



## SUSTAINABLE DEVELOPMENT GOALS



# Thank you for your attention!