PAPER PROVINCE
A Forest Bioeconomy Cluster in central Sweden

- Some 100 member companies
- Some 7000 employees in the member companies
- The cluster organisation’s turnover: EUR 2.2 m (2018)
- Member companies’ turnover: EUR 2.2 bn (2015)
- Nationally prioritised innovation cluster since 2013
- Cluster Management Excellence Gold Label 2018
PAPER PROVINCE AND INNOVATION

REALISING THE #FORESTBIOECONOMY

- Supporting innovation of disruptive services and technology
- Developing new materials, products and services
- Developing a regional demonstrator
SMART SPECIALISATION, VÄRMLAND

Value-Creating Services

Forest-Based Bioeconomy

Digitalisation of Welfare Services

Nature, Culture and Place Based Digitalised Experiences

Advanced Manufacturing and Complex Systems

System Solutions with Photovoltaics
Industrial symbiosis is about the clustering and networking of companies in different industries, supporting institutions and organisations. One company’s secondary resource ("waste") becomes another company’s primary resource.
INDUSTRIAL SYMBIOSIS STARTS IN THE FOREST
BALTIC INDUSTRIAL SYMBIOSIS

• Interreg Baltic Sea Region Programme
  
  *Capacity for Innovation* priority, *Smart Specialisation* objective

• 1 January 2019 to 30 September 2021

• Total budget EUR 2.3 million.

• Project partners: from five BRS states (DK, SE, FI, NO, PL) and associated partners from six BSR states.
1) Industrial Symbiosis provides great opportunities for increasing cost effectiveness in SMEs but few companies currently take advantage of these opportunities.

2) Build capacity among cluster managers and practitioners to better identify and facilitate opportunities for resource exchanges that leads to re-use and up-cycling.

3) Improve the general knowledge base both amongst the current and future generation of Industrial Symbiosis practitioners.

4) Capacity building amongst regional development authorities and business development organisations.

5) Regions from beyond the partnership could benefit from taking advantage of the industrial symbiosis sustainable development approach, including as part of Smart Specialisation Strategies.
Core features of a living lab

• Experimental approaches in a real-life context

• User involvement

• Collaboration and co-creation of knowledge

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