Litet träd som växer
Forest based bioeconomy— the highest priority in Värmland’s Strategy for Smart Specialisation

Anders Olsson
Manager of Research and Innovation
Värmland:
• Annual growth is 8 million cubic meters
• Annual harvesting is 6 million cubic meters
• Annually produced, 1.8 million tonnes of pulp and 1.6 million tonnes of paper
ACK, VÄRMELAND DU SKÖNA.
Valmet: Advantage™ NTT®

BillerudKorsnäs: 7 miljarder investering ny kartongmaskin

Paris, Milan, New York, Kristinehamn

Our recycling technology transforms high-cellulosic waste into pure, natural dissolving pulp, newcell pulp. It’s an efficient process that reuses chemicals, and it’s up and running in our first plant in Kristinehamn, Sweden.

NY FABRIK I SUNNE – MED FOKUS PÅ TRÅG

Rottneroskoncernen satsar på ny fabrik i Sunne

Råvaran är gammal men produkten nya i en ny fabrik.
Strong areas

Smart specialisation

Priorities
Smart specialisation is a modern innovation and research strategy based on two main components.

1. An honest evaluation of the region's strengths and weaknesses.

2. A process that is conducted in close cooperation with regional stakeholders.
Smart specialisation

“… a dynamic strategic process where regions … identify their long term competitive advantages based on local strengths, and define those actions that can lead them to maintain and/or create their competitive position”

Source: Innovation Union Competitiveness Report, 2011
Specializations are both about what we are good **at**, and what we're good **for**.

Smart ways to organise and develop existing regional assets in order to create value for users and society.
Värmland
– a strong innovator in Europe

Being a region in one of the world leading innovation nations the competition is hard.

“The region’s innovation system is well developed but the outputs are comparatively weak.”
"Very strong" in the paper, pulp and packaging and tissue.

– Have no equivalent elsewhere in Europe.

Steel and engineering. Promising related to environmental technology.

Solar power has great potential for development. Must find a niche to tackle international competition.

IT has an interesting cutting edge related to health and service innovation.
<table>
<thead>
<tr>
<th>FOREST-BASED BIOECONOMY</th>
<th>DIGITALISATION OF WELFARE SERVICES</th>
<th>ADVANCED MANUFACTURING AND COMPLEX SYSTEMS</th>
<th>PLACE BASED DIGITALISED EXPERIENCES</th>
<th>SYSTEMS SOLUTIONS WITH PHOTOVOLTAICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRITICAL MASS</td>
<td></td>
<td></td>
<td></td>
<td>Octates antal anställda. Ca 50 företag är medlemmar i GEC</td>
</tr>
<tr>
<td>REGIONAL ORGANISATION</td>
<td>Värmlandskluster</td>
<td>Värmlandskluster</td>
<td>Klusterorganisation men ej ett Värmlandskluster</td>
<td>Klusterorganisation men ej ett Värmlandskluster</td>
</tr>
<tr>
<td>MEETS SOCIETAL CHALLENGES</td>
<td>Bioeconomy, food security, forestry, clean and efficient energy, resource efficiency.</td>
<td>Health, demographic change and wellbeing inclusive Secure societies - protecting freedom and security of Europe and its citizens.</td>
<td>Secure, clean and efficient energy, but oil...</td>
<td>Utvecklar turism med tanke på fler av samhällsutmaningarna.</td>
</tr>
</tbody>
</table>
Vision
Forest based Bioeconomy

With a more than 150-year-long history within paper manufacturing, we conceive creative meetings between tradition and renewal and show the way using bio-based innovations originating from the forest to foster a fossil-free and sustainable society.
We bring the forest into the future
Testbeds in Värmland...

mirrored in research environments at Karlstad University
Vision

Be the Global Leading Hotspot for Developing Business and Startups within Bioeconomy
For Region Värmland it’s important that Karlstad University is internationally strong, with excellent research and with a strong sense of the place.
The Academy for Smart Specialisation
Market growth
Strategies & Analysis
Management & Com
Innovation & Dev
Networking & Business
Market growth
The Region Värmland Bioeconomy Team

Managing Director
Director of Communication
Manager of Bioeconomy
Manager of Business development
Manager of Education and Training
Gender Developer

Regional Commissioners
Manager of Research and Innovation
Project Manager TBR
Project Manager Värmland EU Office
Communication Officers
Analyst

Directors of the Regional Growth Department
Project Co-ordinator BSR Stars S3
Head of Region Värmland European Office
Manager of International Relations
Project Officers

In the lead of regional development processes

Värmland RIS3
Smart specialisation in Northern Middle Sweden
Monitoring of RIS3
Academy for Smart Specialisation
The Vinnväxt Initiative Paper Province 2.0
Business Värmland
Sting Bioeconomy
The Bioeconomy Region - Interreg
The Vanguard Initiative - Paper Province

Drives learning and policy impact through

The national Regional forum for politicians and civil servants
RND-network with regions, national authorities and the national government
ERRIN's working group Bioeconomy
EU Bioeconomy Panel via Paper Province
The regions National Network for Bioeconomy
Nordic Council of Ministers Regional Development Program

EU Bioeconomy Panel via Paper Province
The Vinnväxt Initiative Paper Province 2.0
The Bioeconomy Region - Interreg
The Vanguard Initiative - Paper Province

Sting Bioeconomy
The Bioeconomy Region - Interreg
The Vanguard Initiative - Paper Province