

# Paper Province

A forest bioeconomy hotspot



# VÄRMLAND FACTS

- 16 municipalities
- 280 000 citizens
- 70% covered by forest (12 000 km<sup>2</sup> of productive forest)
- The forestry and forest industry employs approx. 12 000 in total
- 6,5 million m<sup>3</sup> wood harvested every year – annual growth is over 7 million m<sup>3</sup>
- Approx. 2 million ton paper is produced
- Approx. 2,2 million ton pulp is produced
- 20800 private forest owners, 8 200 are women



# THE CLUSTER

# PAPER PROVINCE

## A forest bioeconomy cluster in mid Sweden

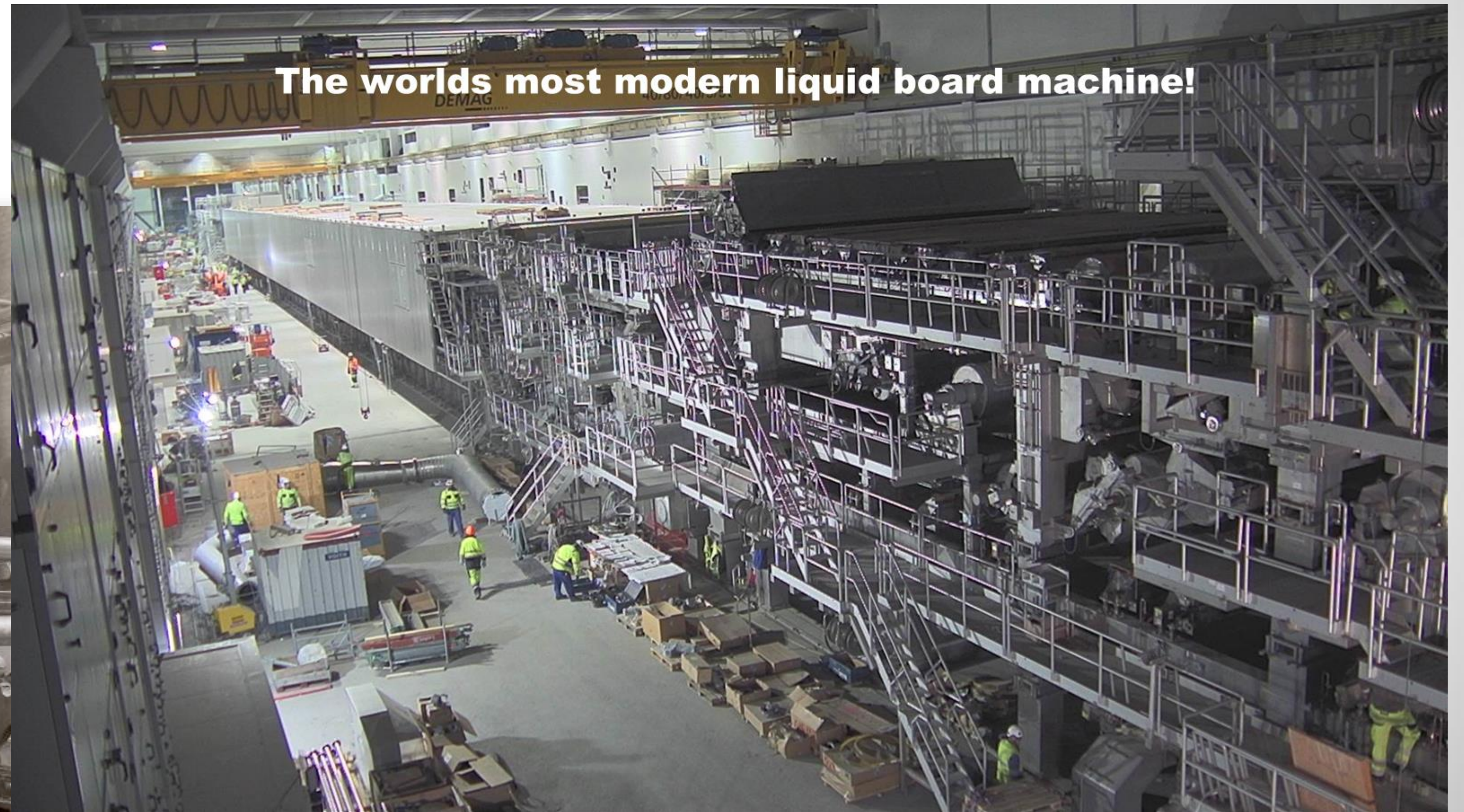
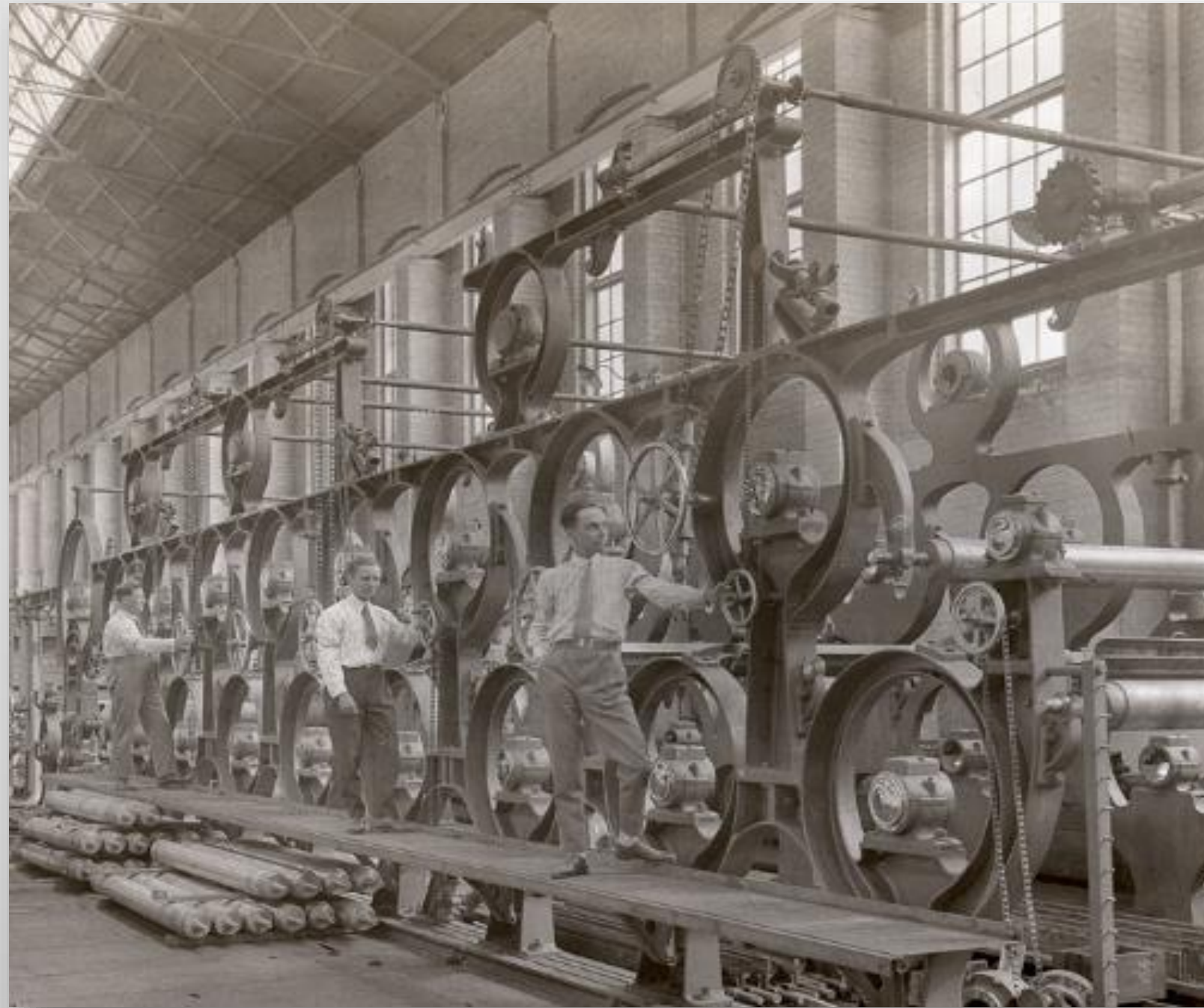
- Started as a project in 1999
- 104 member companies
- ~ 7.000 employees in the member companies
- Member companies turnover 3,2 billion EUR 2017
- Vinnväxt winner in 2013 (Long term financing)
- ESCA Gold Label Dec 2017
- 12,5 employees in the organization
- 2,25 EUR turnover in 2018 (the organization)



A LONG HISTORY...

2018

1930



**MOELVEN**<sup>®</sup>



**BILLERUDKORSNÄS**

**NORDICPAPER** 

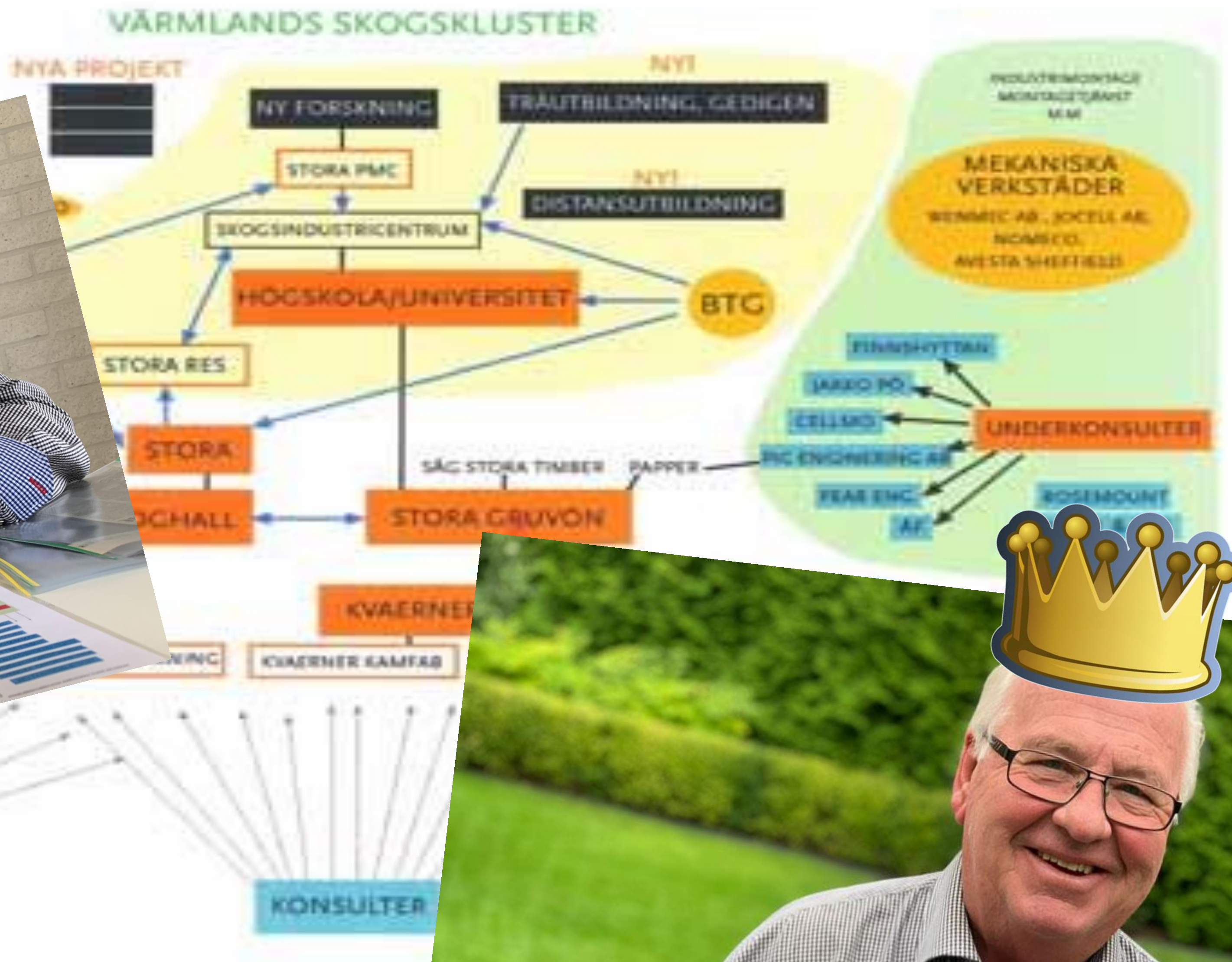




# THE BEGINNING



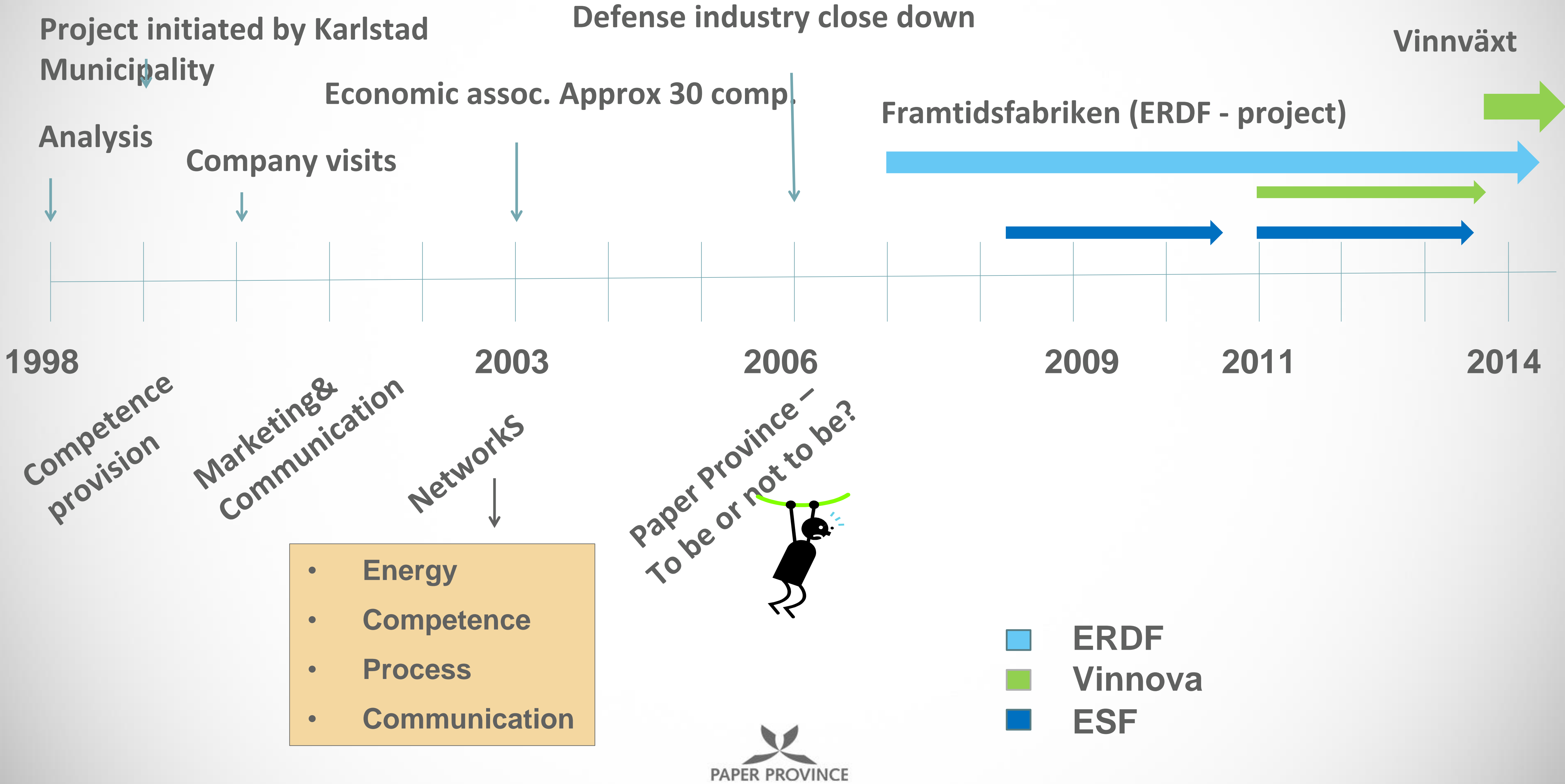
# 1999 – Sune Nilssons Chaos map



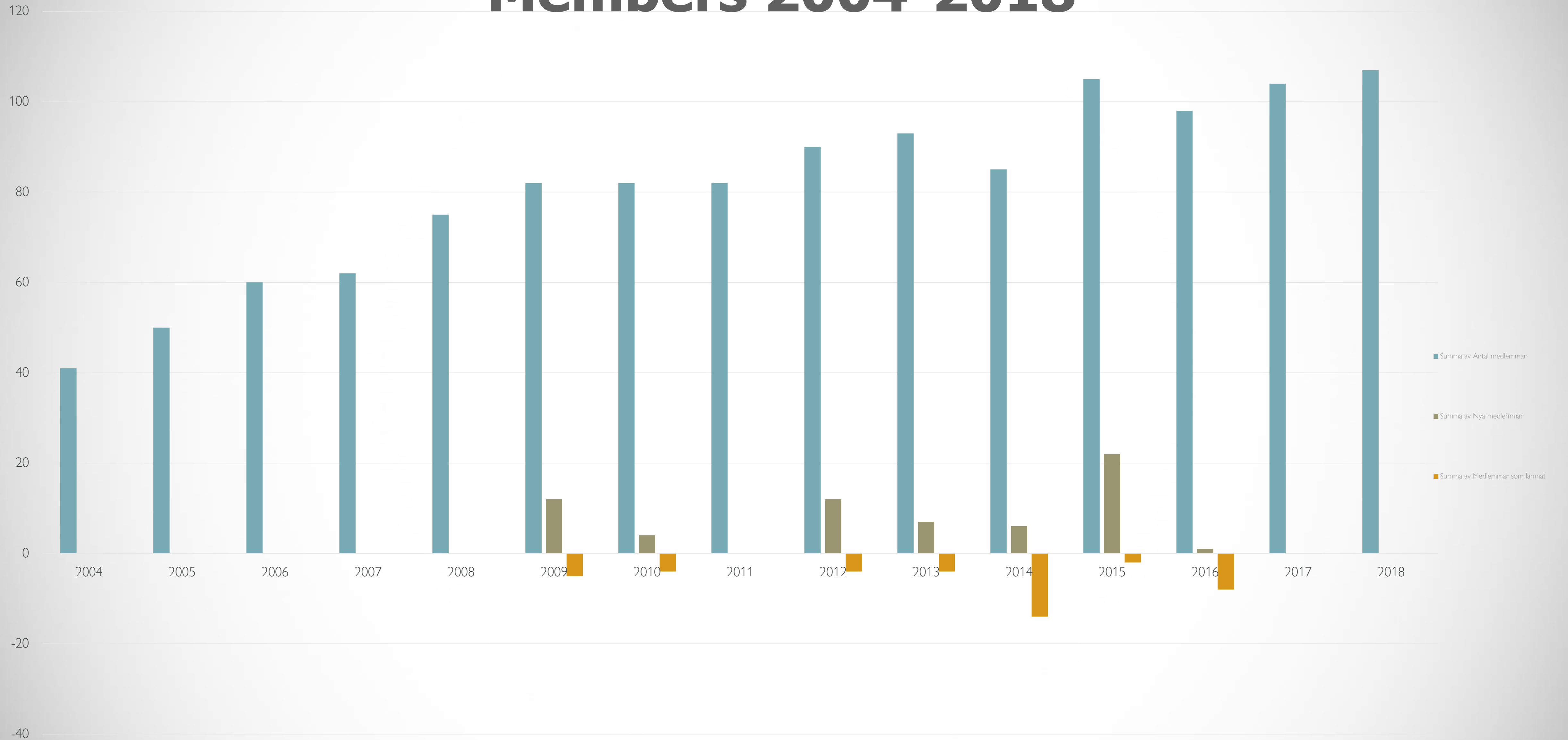


OBS! Montage.

# PAPER PROVINCE DEVELOPMENT 1998-2014



# Members 2004-2018



# **MILESTONES TAKING US FORWARD 2013-2018!**

# 2012

**THE BEGINNING OF SOMETHING NEW**

- **Build upon your strength!**
- **Add renewal!**
- **Broad regional attendance and engagement needed!**



**HOW SHOULD  
WE UTILISE THE  
FOREST  
IN THE FUTURE?**

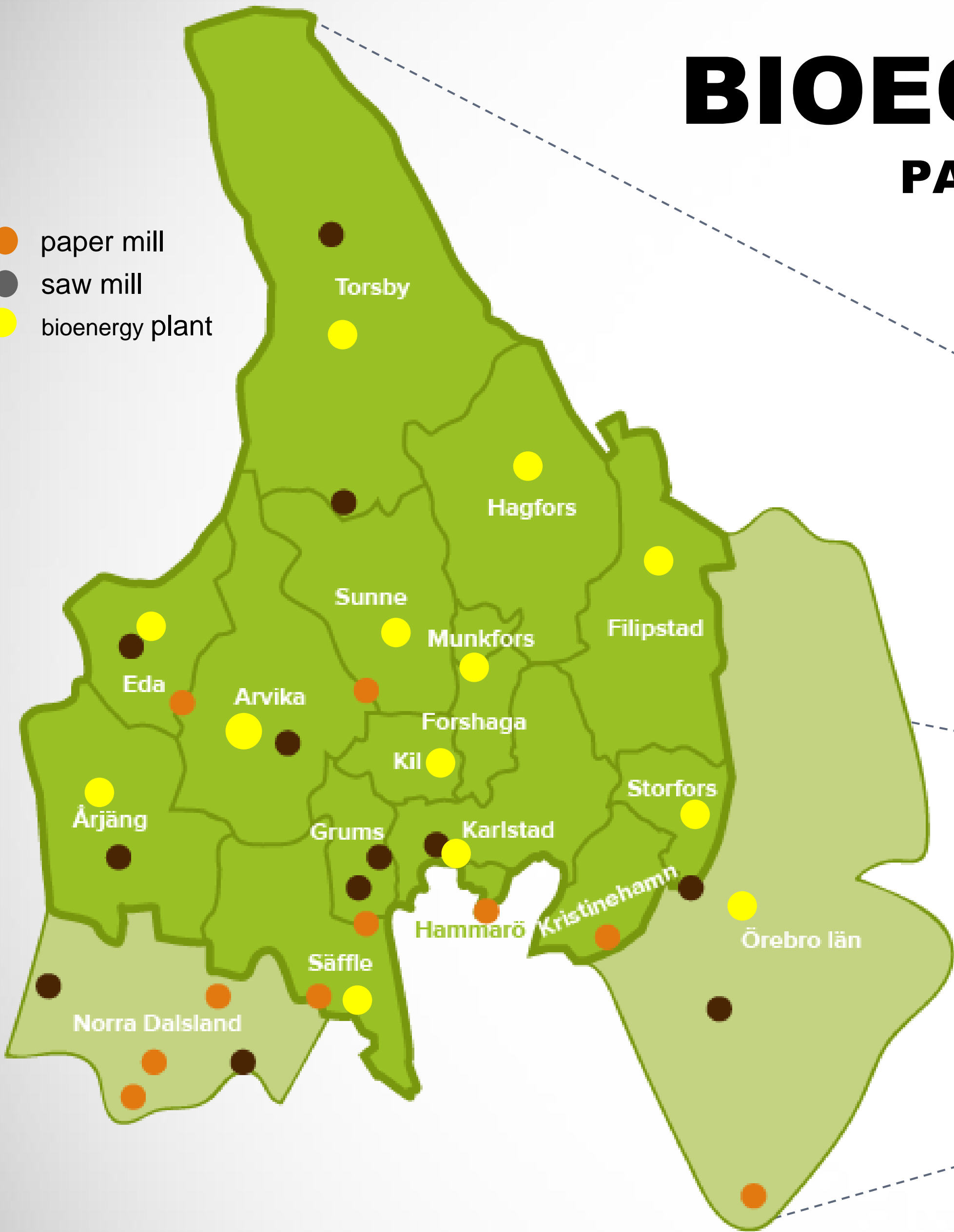




# BIO-EC NOMY

# BIOECONOMY IN PAPER PROVINCE

- paper mill
- saw mill
- bioenergy plant





# STRATEGIC IDEA

We will demonstrate bioeconomy in practice!



# Milestone 1



**Vinnväxt -  
Winner!**

# **VINNVÄXT PROGRAMME**

- **10 years, 6,5 million EUR from Vinnova, 50% regional co-finance**
- **Focus on Research and innovation, renewal**
- **System integration and system strengthening**
- **System effects in focus, the hard facts measured but not most important**

# **MILESTONE 2**

**Change of statutes to be open for all actors  
contributing to the forest bioeconomy**

STRATEGY DOCUMENT

# 01

Värmland's Research and  
Innovation Strategy for

## *Smart Specialisation 2015-2020*



# MILESTONE 3





# MILESTONE 4

Academy for Smart Specialization 2016

# **MILESTONE 5**

**THE REGIONAL BORDERS FOR MEMBERSHIP REMOVED FROM STATUES**

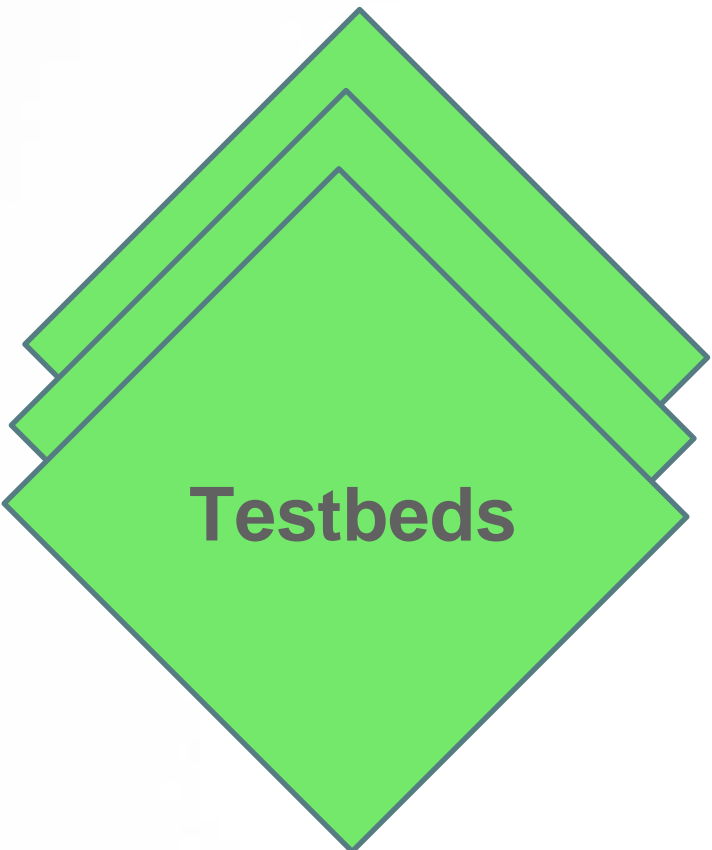
# **THE INNOVATION SYSTEM AND THE ROLE AS A SYSTEM INTEGRATOR**

# BUILDING INNOVATION CAPACITY

Karlstads University



Vocational schools



INNOVATION PARK

Institute



Bioeconomy

ServiceLabs



Municipalities

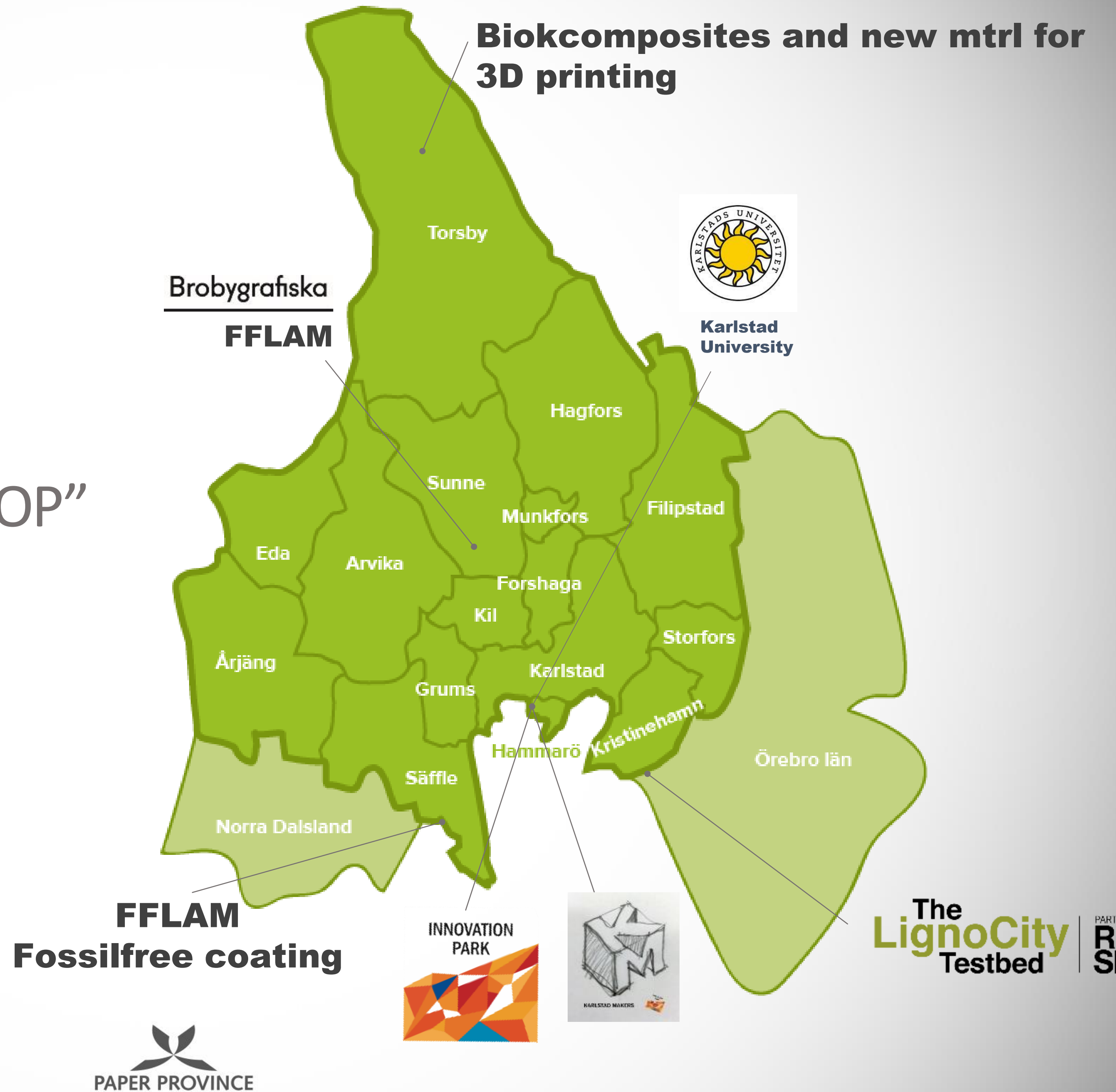
business | VÄRMLAND



Access to funding  
(Investor network, Forest fund)



# "THE BIOECONOMY WORKSHOP"



# The wood region



THEWOODREGION  
FOREST AND PAPER CENTRE

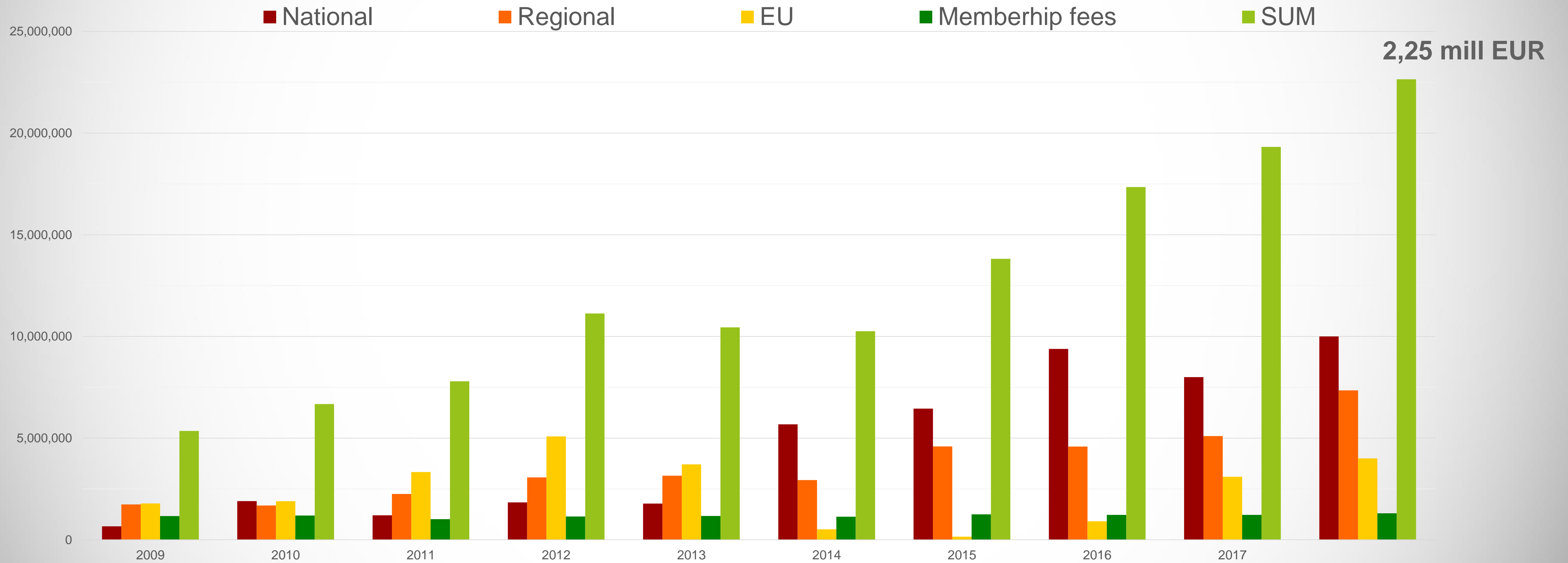


# FINANCING





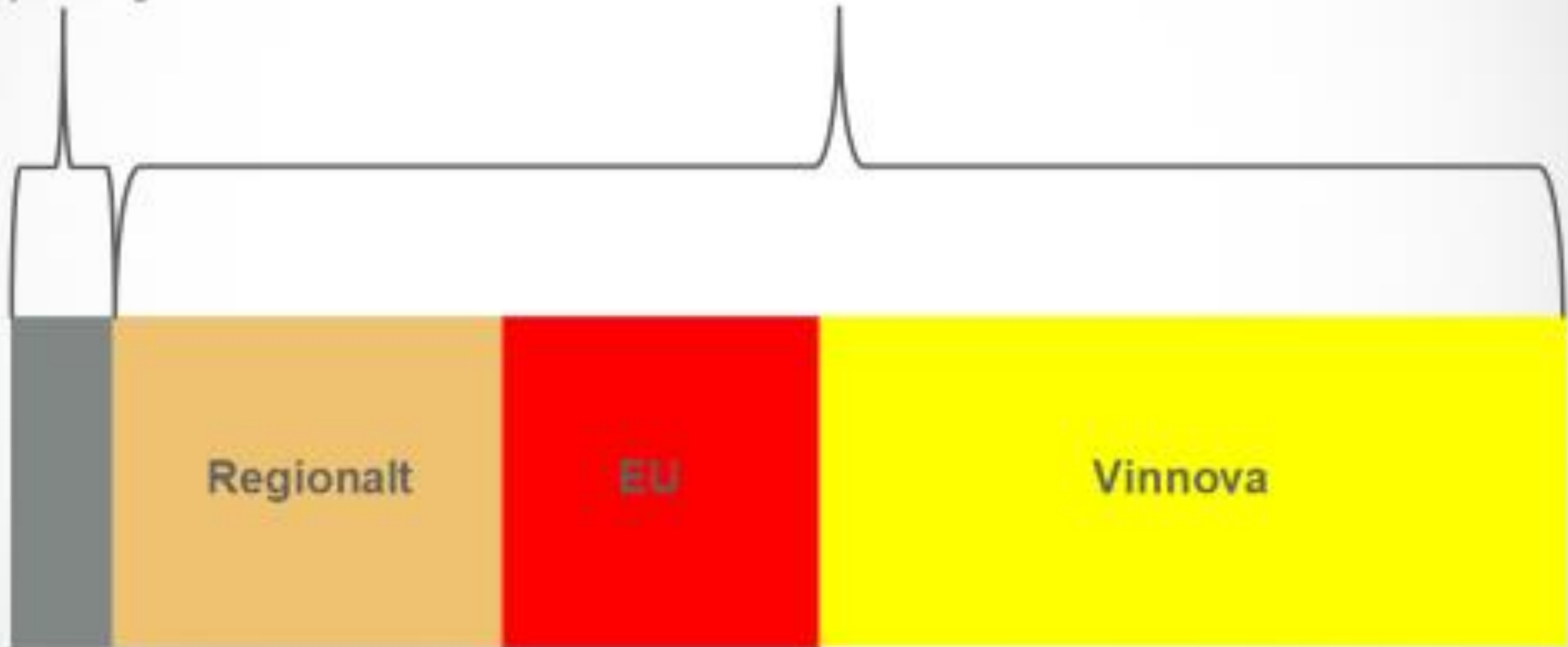
# Yearly turnover Paper Province 2008-2018



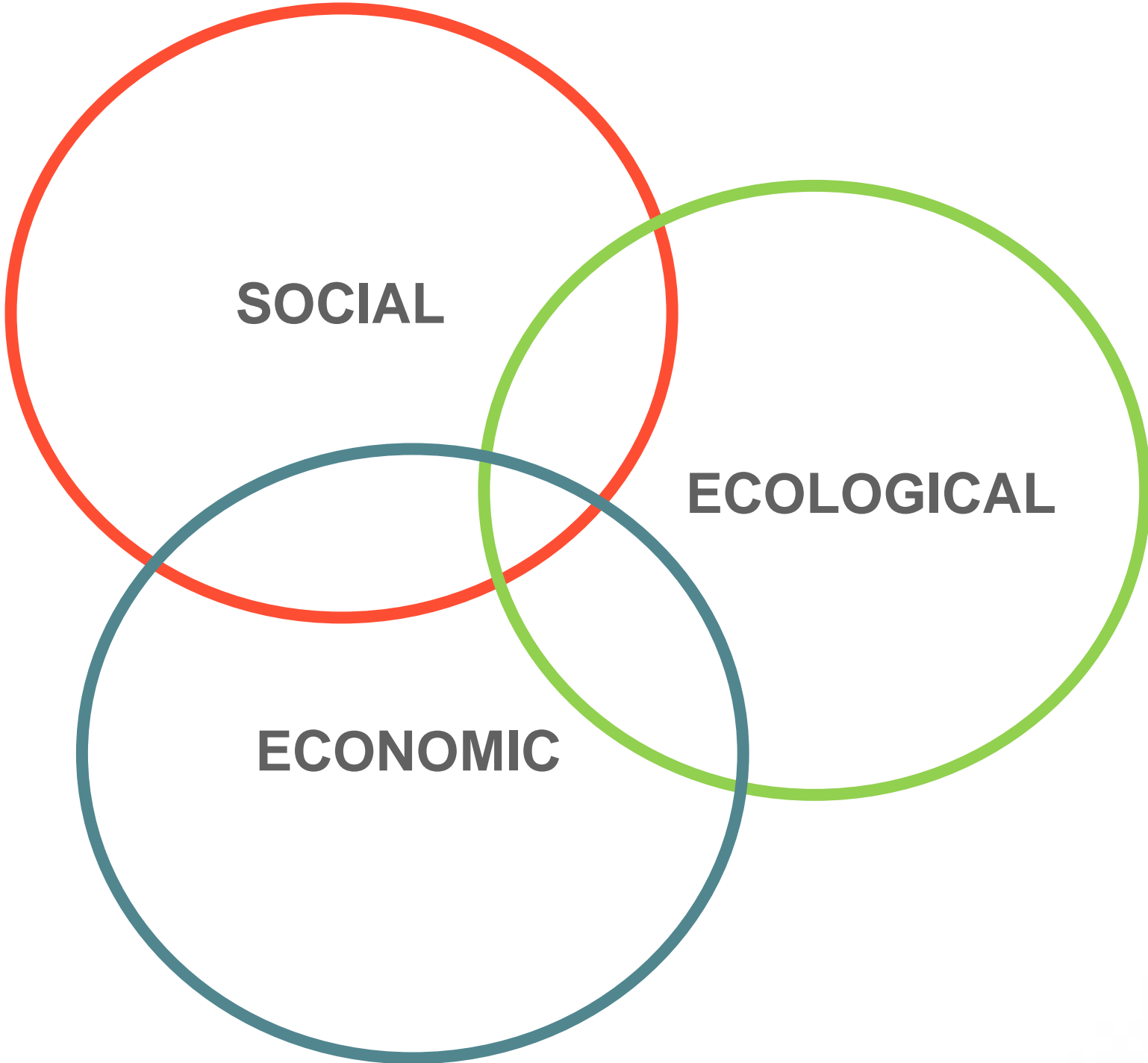
# FINANSIERING

Membership fees  
130 000 Euro

2,12 mill Euro



# DRIVING SUSTAINABLE CHANGE



**OPENNESS EQUALITY DIVERSITY**

**CRUCIAL FOR INNOVATION AND ATTRACTION**

# WHAT DOES IT TAKE TO DRIVE CHANGE?

- **Trust!**
- **Collaboration**
- **Success stories**
- **Communication and even more communication**
- **Courage to be a “nail in the eye”**
- **Soft leadership (leading in gaps between organizations)**

“A small body of determined spirits fired by an unquenchable  
faith in their mission can alter the course of history”

*Mahatma Gandhi*