



business | VÄRMLAND

Regional growth through investments

*Business Värmland
Nordic CoLab Project 2019-10-24*

*Marcus Elmer
Project Manager*

ABOUT BUSINESS VÄRMLAND

Regional inward investment
function

Regional partner of Business
Sweden

3+3 year project funding

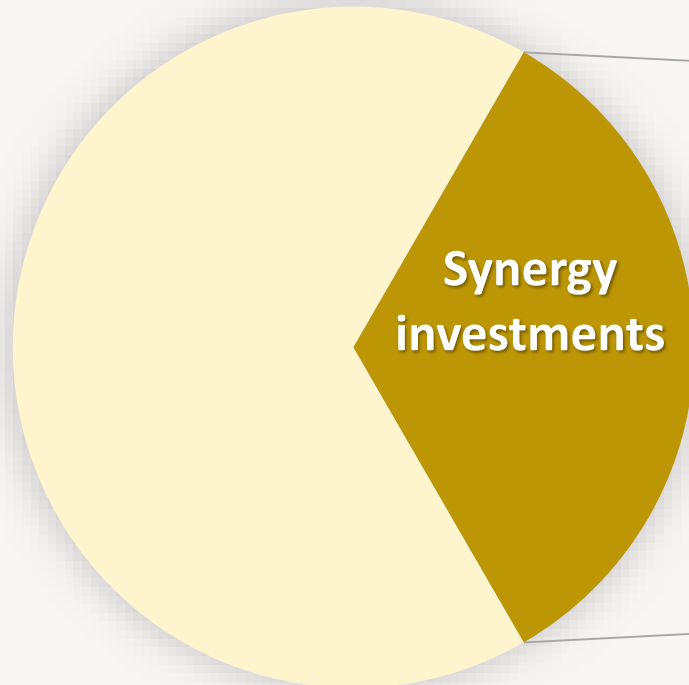


EUROPEISKA
UNIONEN
Europeiska
regionala
utvecklingsfonden



BUSINESS VÄRMLAND

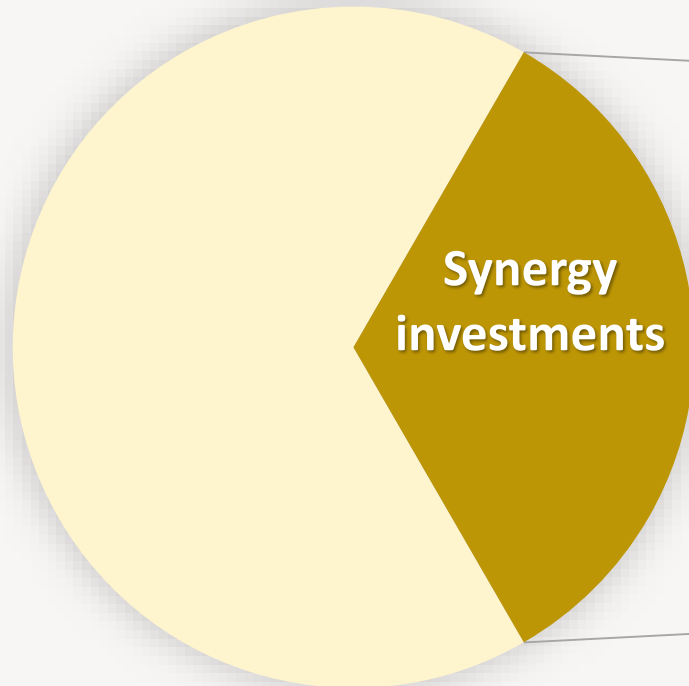
Budget – 1.8 M€



Business Värmland Project –
Regional investment support

BUSINESS VÄRMLAND

Budget – 1.8 M€



Business Värmland Project –
Regional investment support

Budget – 0.6 M€



Subproject
Synergy Investments –
Capturing added value
from ongoing investments

SYNERGIES?



ONGOING REGIONAL INVESTMENTS



BILLERUDKORSNÄS

Next generation board machine –

700 M€



storaenso

Cross Laminated Timber facility –

50 M€



CELLCOMB
CREATING CLEAN COMFORT

New laminate production line –

6 M€



Wetmoulded food tray production

6 M€

re:newcell

Cellulose regeneration pilot plant –

10 M€

seelution

Biobased barriers production unit

10 M€

NORDICPAPER

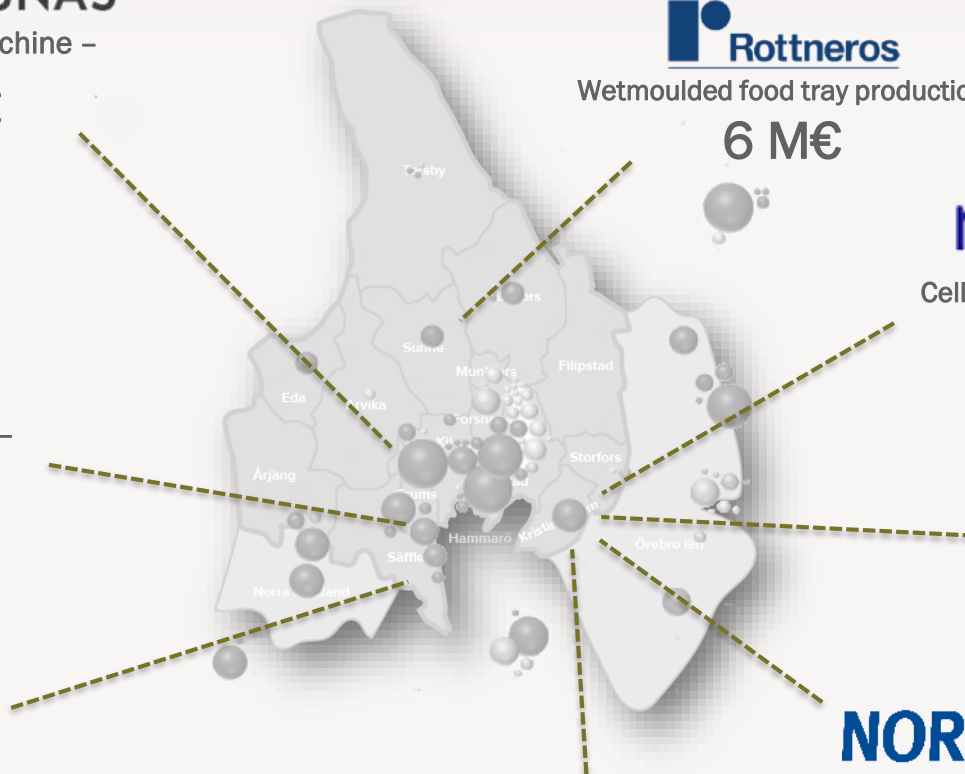
New production capacity –

6 M€

MYCORENA
SWEDISH CLEANTECH PARTNER

Protein fermentation pilot –

1.7 M€

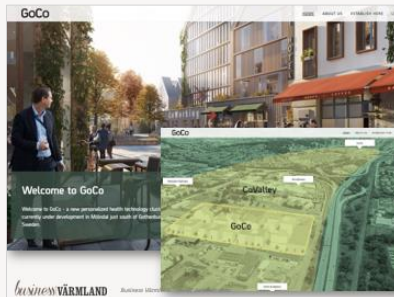


SWEDISH COLLABORATION INSPIRATION



SynerLeap

Powered by ABB



CampX by Volvo Group shapes the future of the transport industry

■ Press release

CampX by Volvo Group shapes the future of the transport industry

3/28/19

AB Volvo

The Volvo Group has a legacy of being at the forefront of developing and transforming the transport industry. The ambition is that concept for innovation and collaboration that position for the future.



Automation

We believe that automation will redefine the commercial transport solutions that most of us rely on every day.

[Automation >](#)



Electromobility

Electromobility is changing the automotive world and in the near future it will also change how we plan our cities and infrastructure.

[Electromobility >](#)



Connectivity

Volvo Group has the industry's broadest customer offering of connectivity solutions for trucks, buses and construction equipment.

[Connectivity >](#)

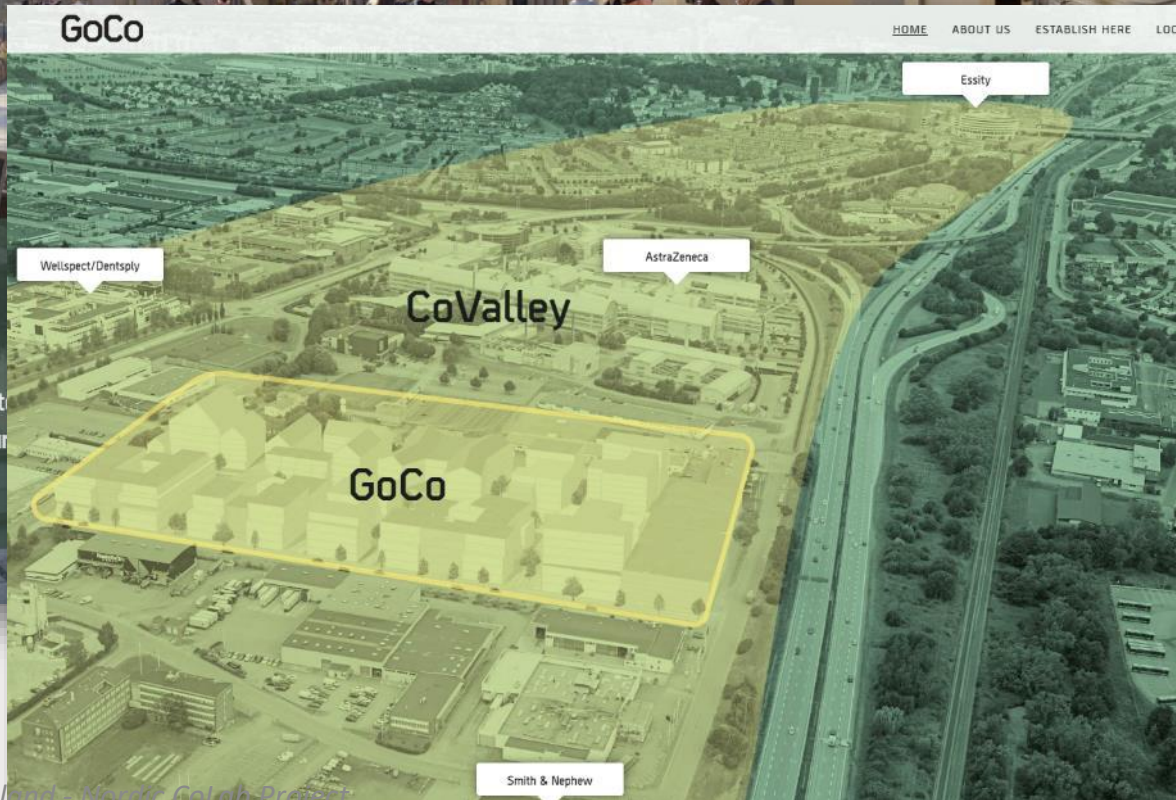
RELATED NEWS





Welcome to GoCo

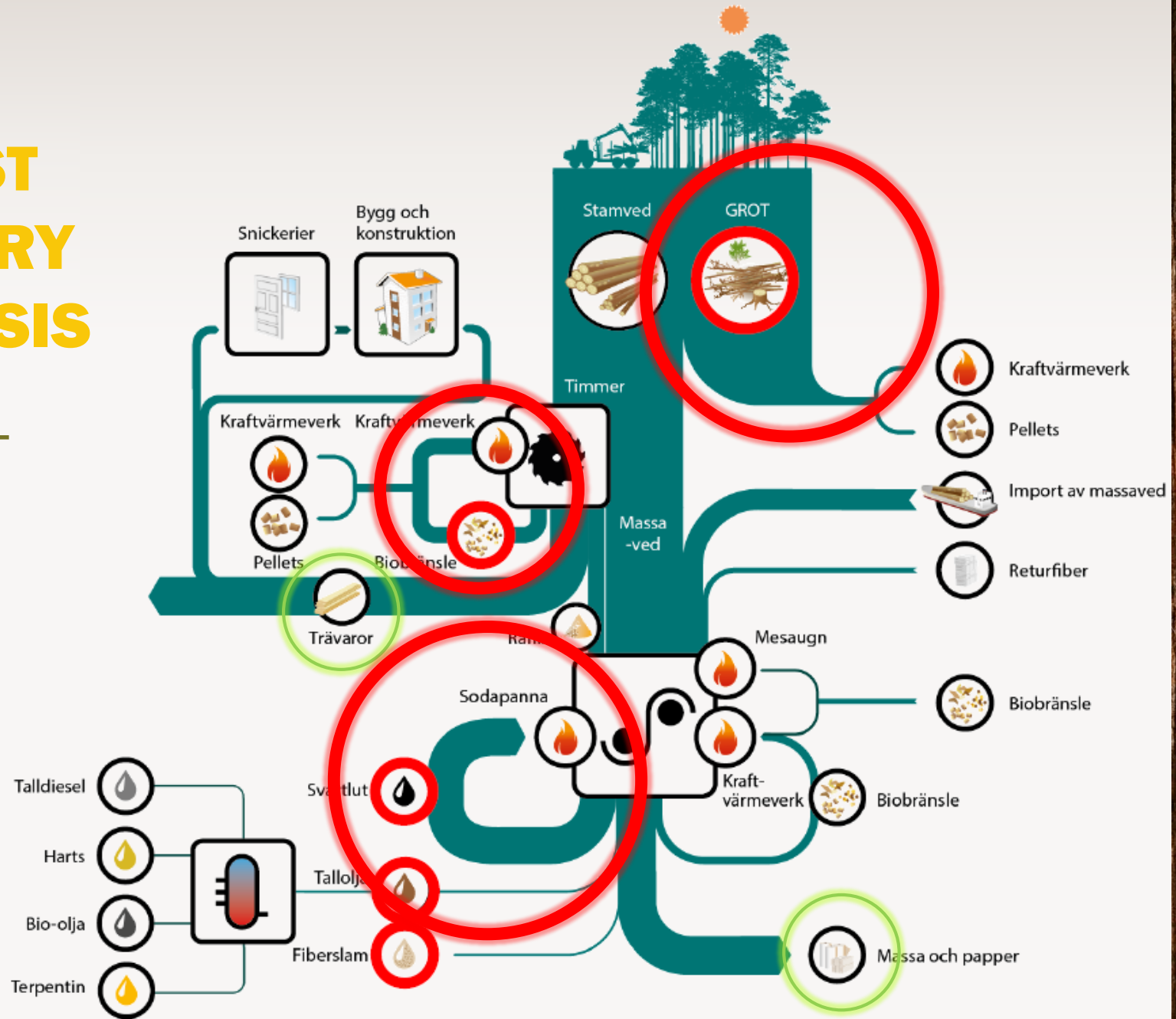
Welcome to GoCo - a new personalized health technology cluster currently under development in Mölndal just south of Gothenburg, Sweden.



BIOECONOMY IN EU



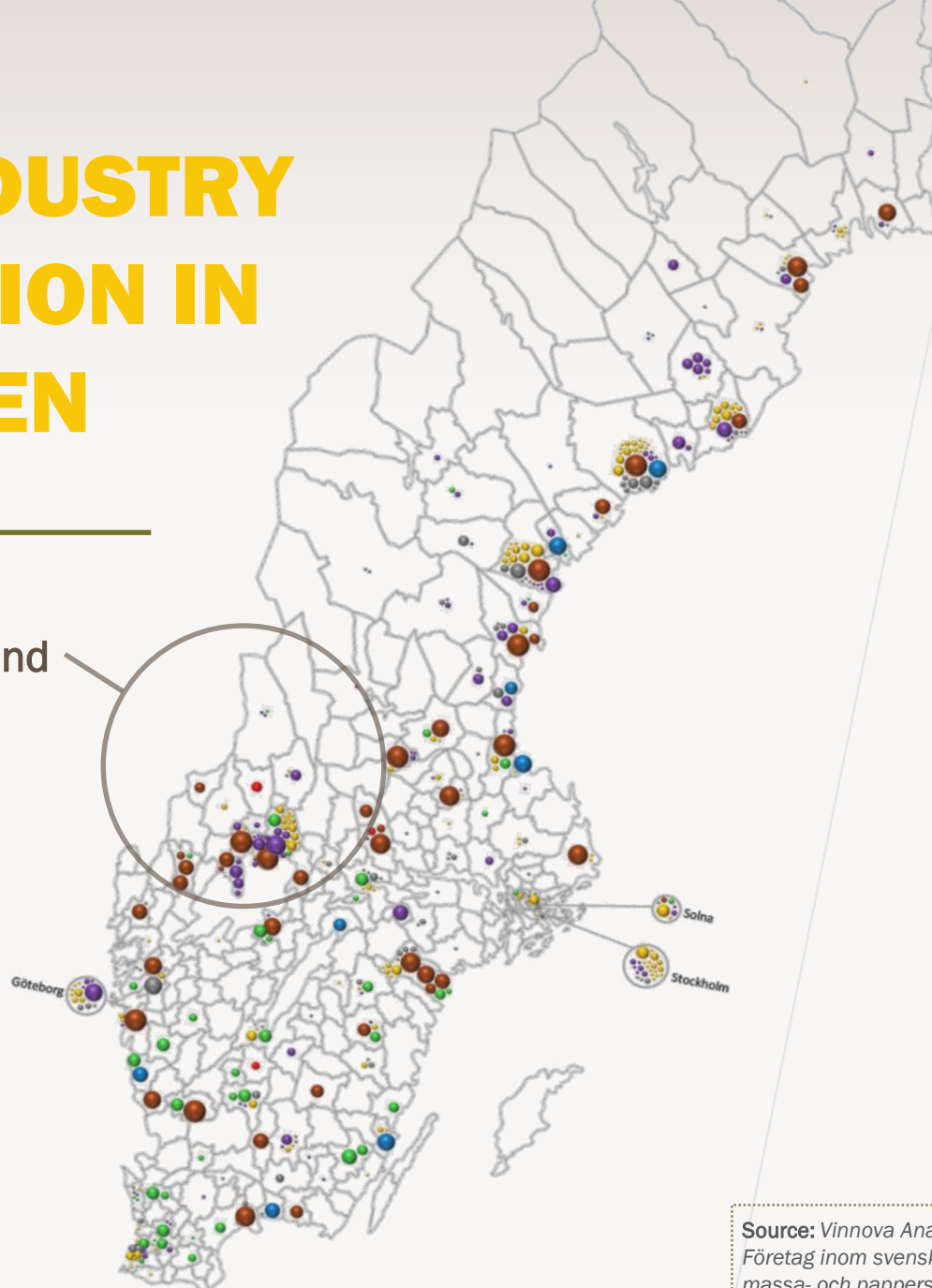
THE FOREST INDUSTRY SYMBIOSIS



FOREST INDUSTRY DISTRIBUTION IN SWEDEN

Region of Värmland

- Mechanical pulpmill
- Chemical pulpmill
- Papermill
- Converter
- Machine supplier
- Chem & material supplier
- Service provider



Source: Vinnova Analys –
Företag inom svensk
massa- och pappersindustri

VÄRMLAND QUICK FACTS

2 million tonnes
of paper produced
annually

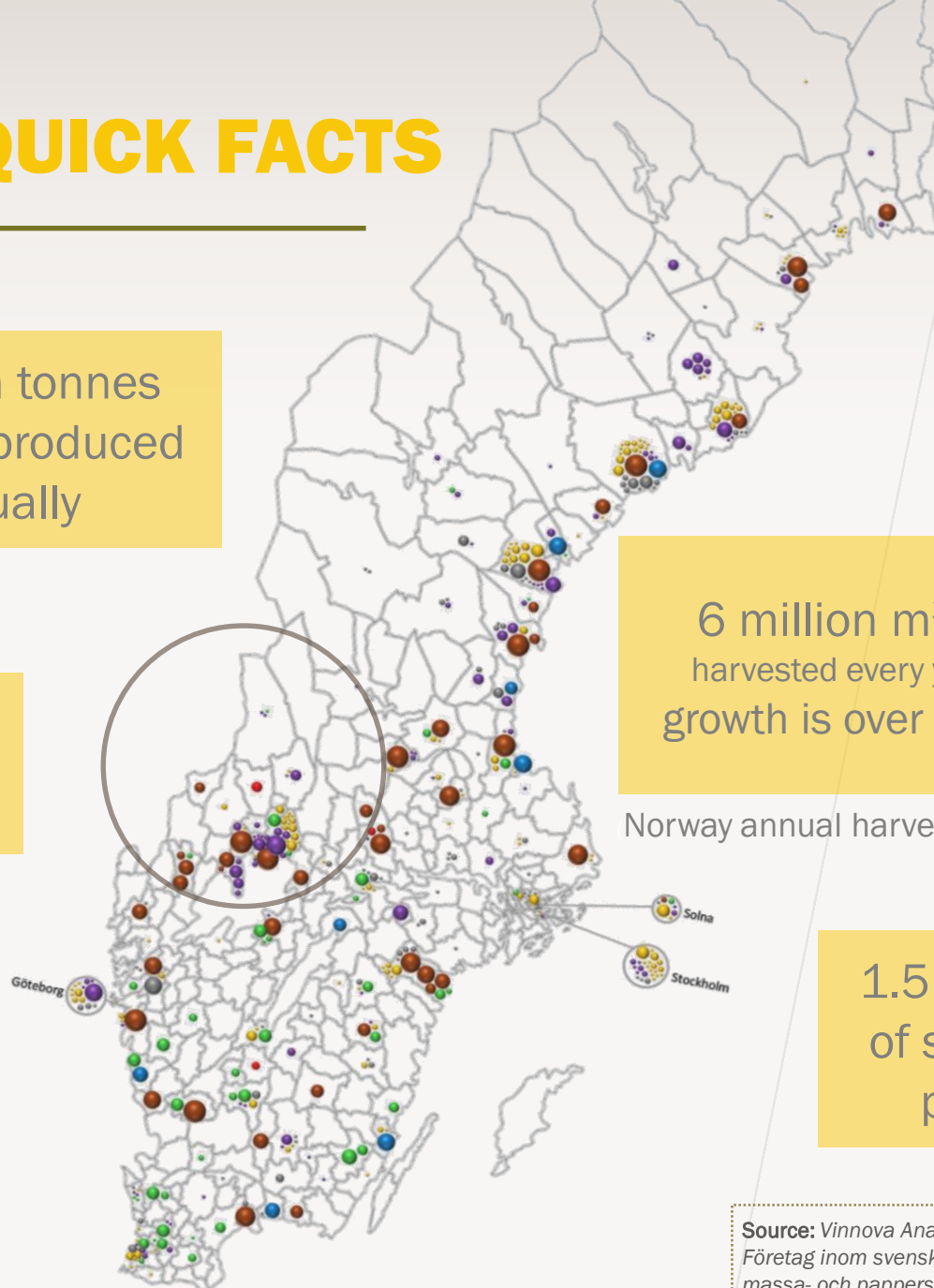
12 000 km²
of productive forest land

Forestry and forest industry
employs 24%
of total workforce

6 million m³ of wood
harvested every year – annual
growth is over 8 million m³

Norway annual harvest is ~9 million m³)

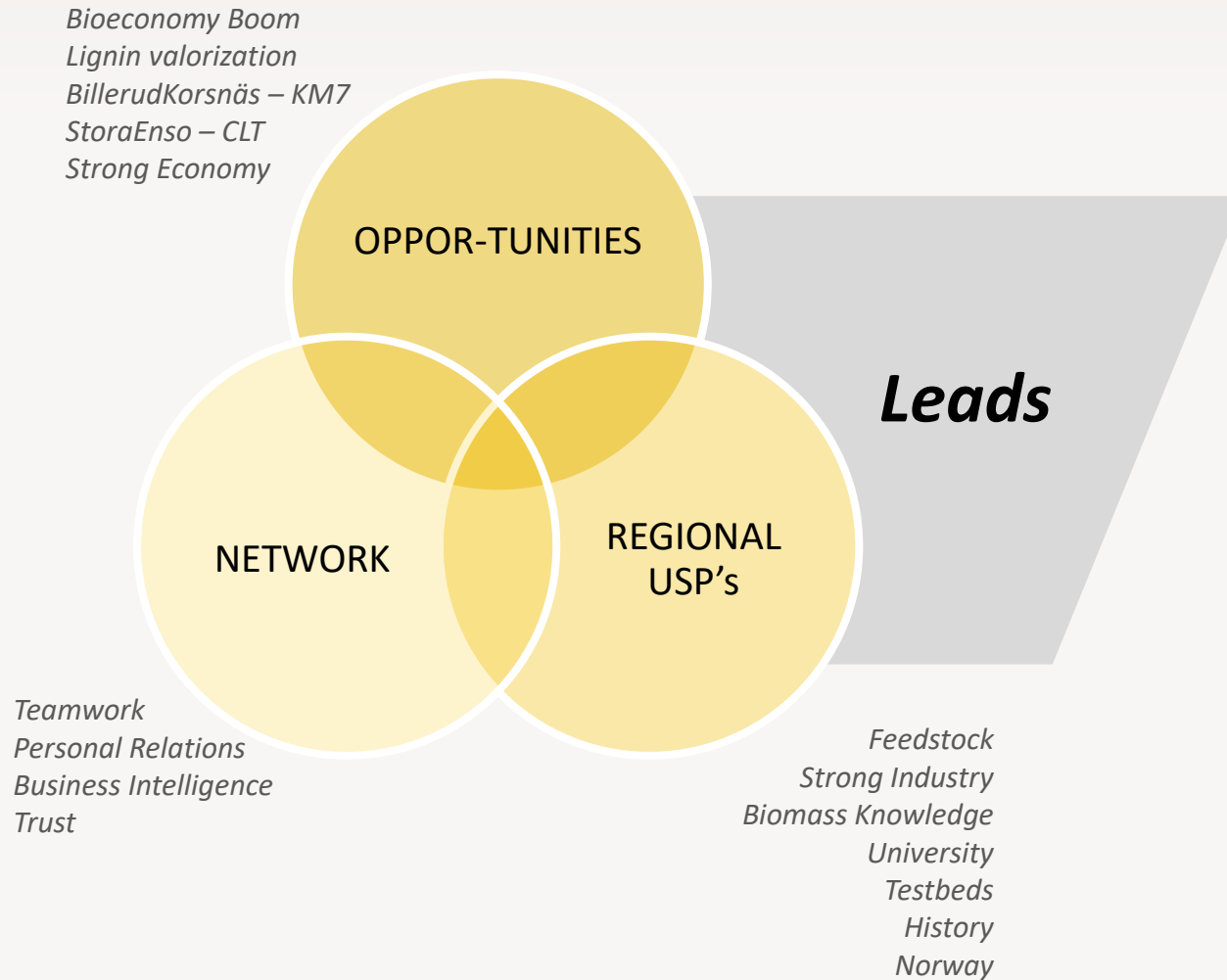
1.5 million m³
of sawn wood
products



Source: Vinnova Analys –
Företag inom svensk
massa- och pappersindustri



PROCESS AND WAY OF WORKING



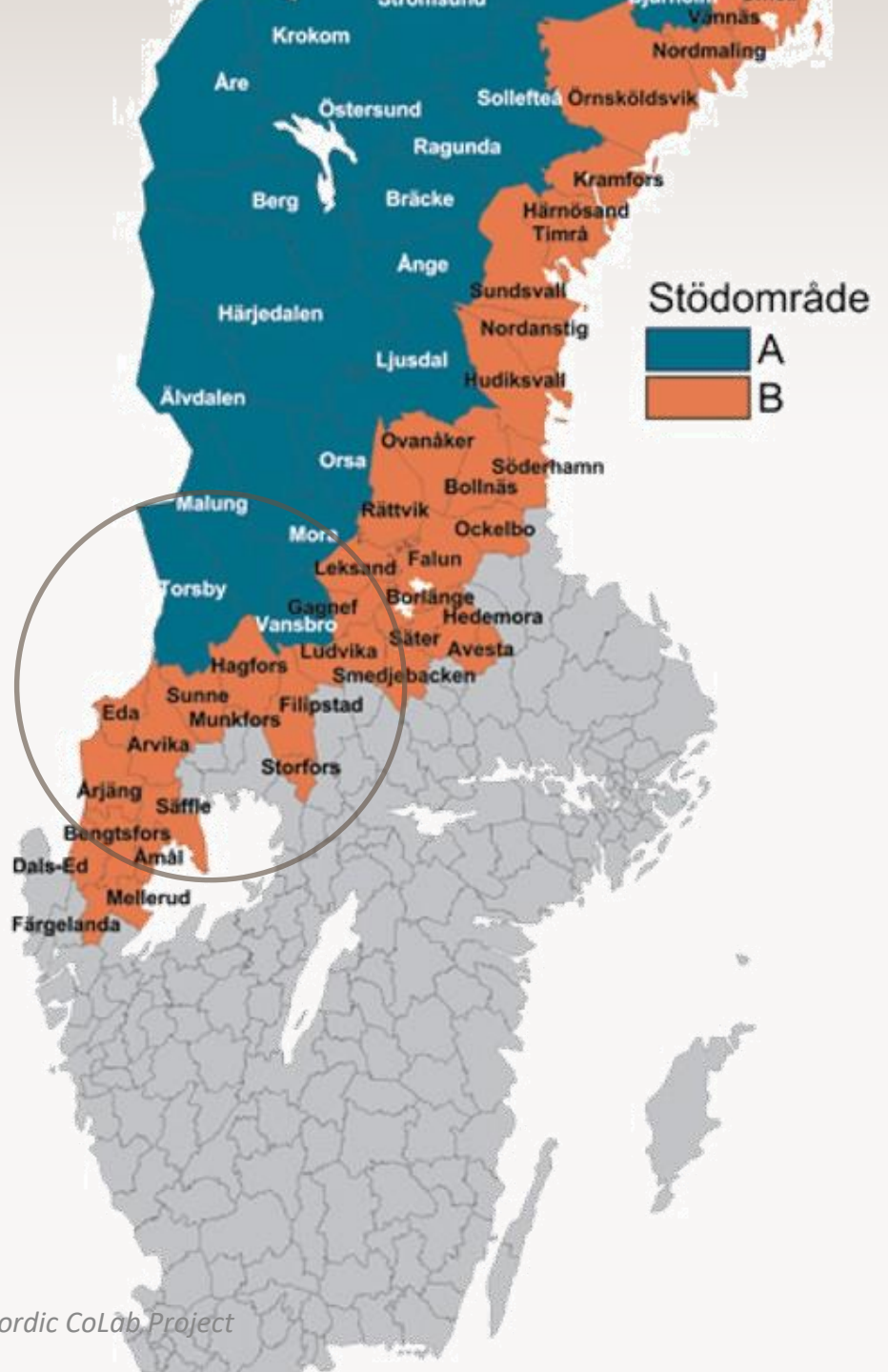
FUNDING SUPPORT

- Climate Fund – Swedish Environmental Protection Agency
- Energy related Calls - Swedish Energy Agency
- EIT Accelerator (SME Instrument) – European Commission
- Vinnova
- Etc...



REGIONAL INVESTMENT GRANT

10-40%
investment grant



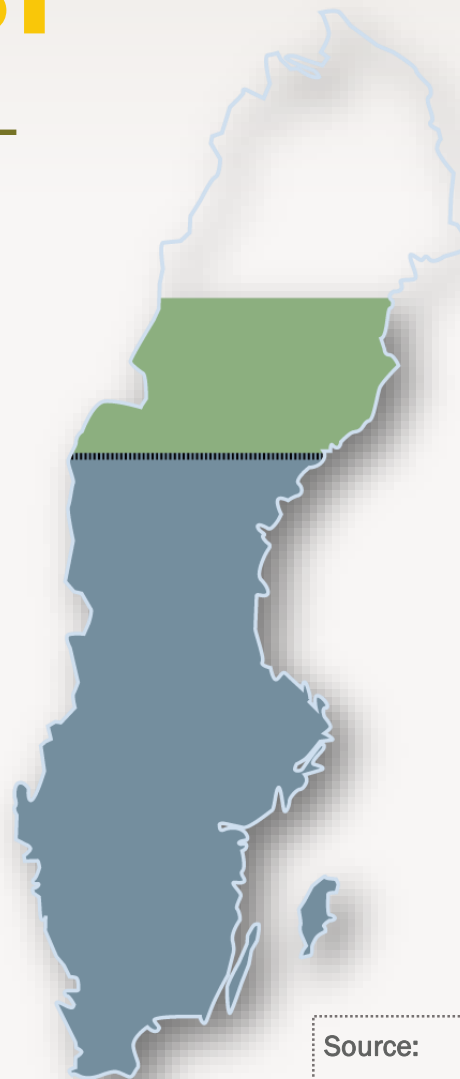
BACKUP SLIDES

THE SWEDISH FOREST

73% = forest

60% = productive forest

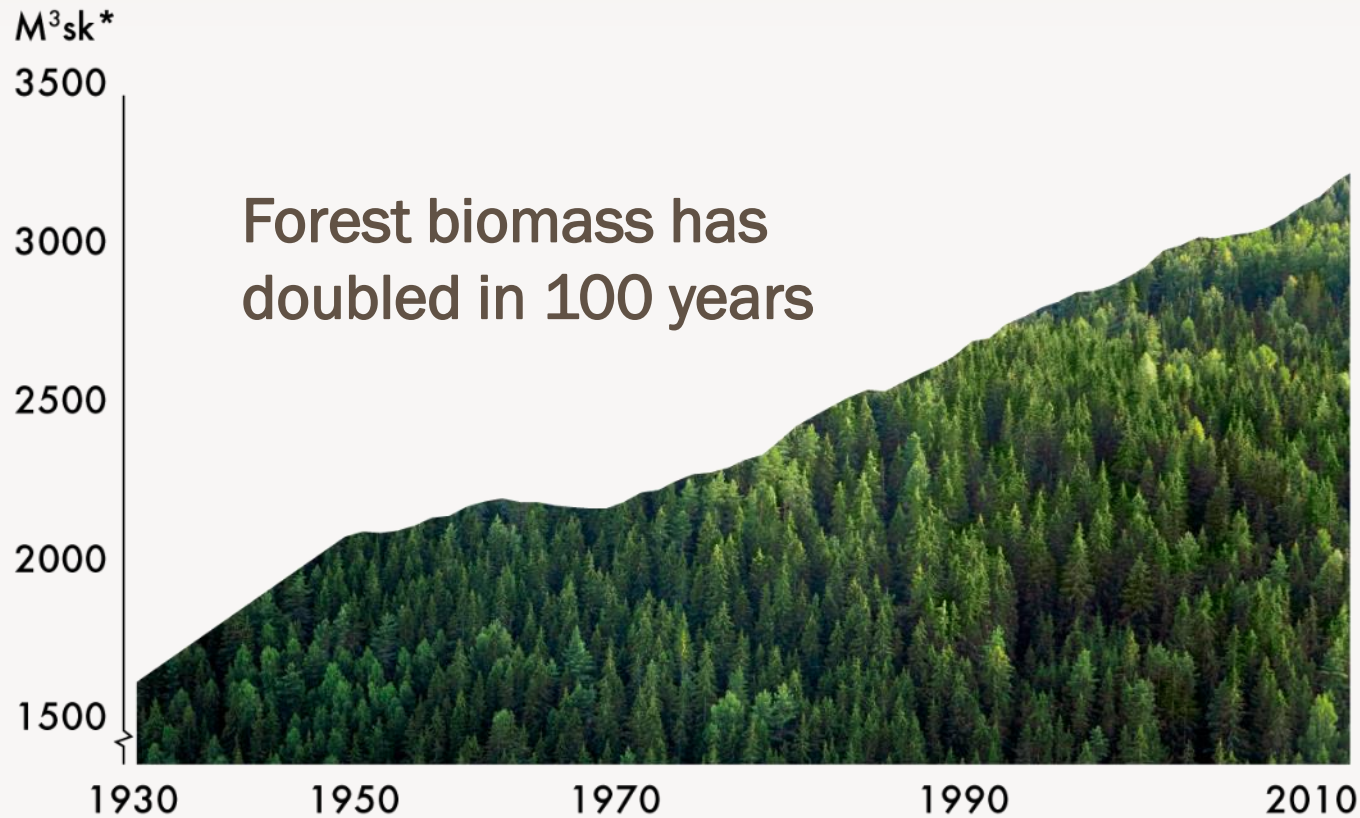
1% harvested every year



Source:

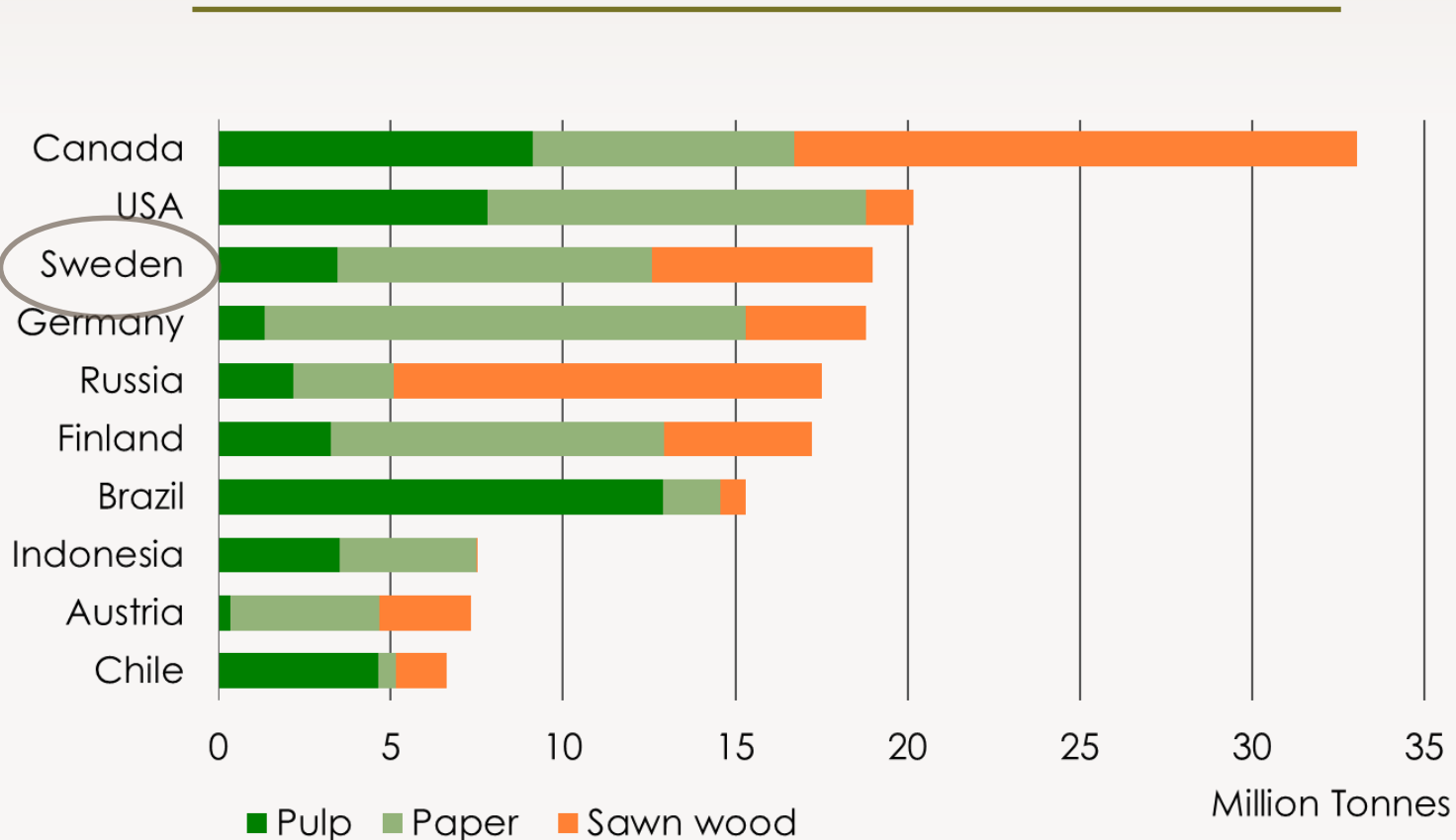


THE SWEDISH FOREST



WORLD LEADING EXPORTERS 2016

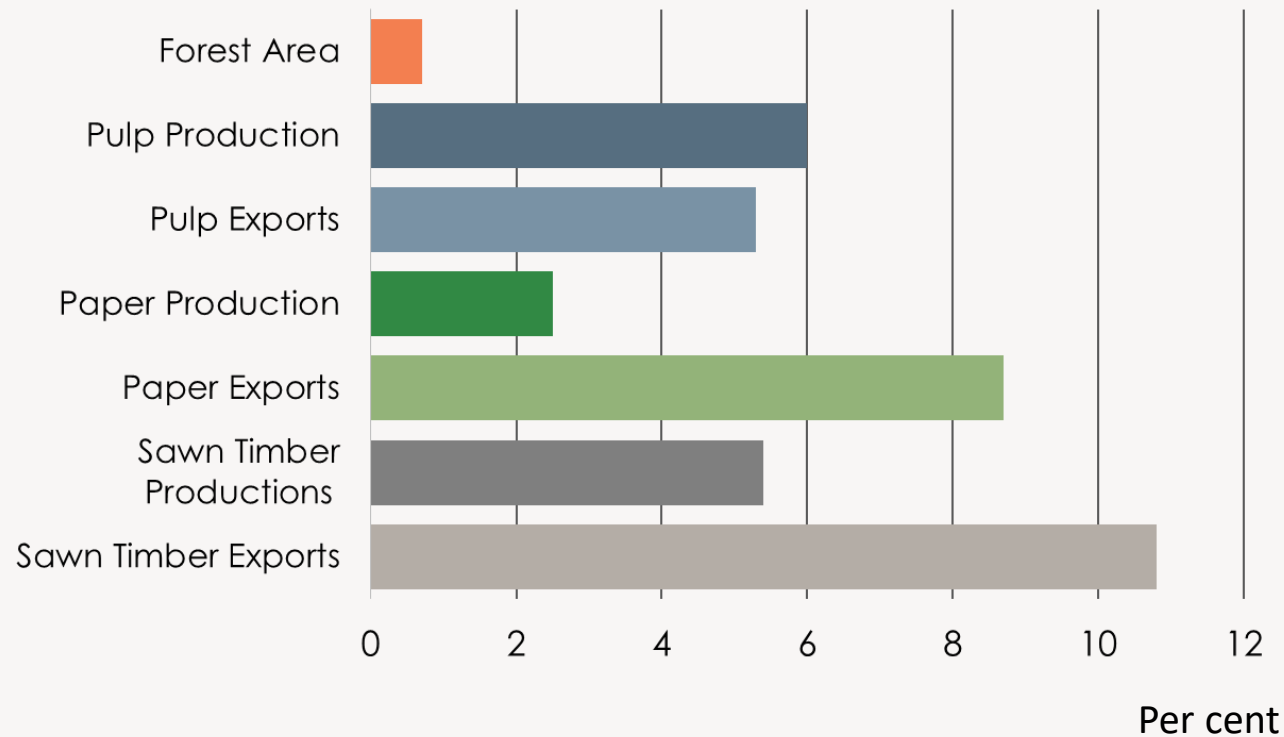
(PULP, PAPER AND SAWN TIMBER)



Source:



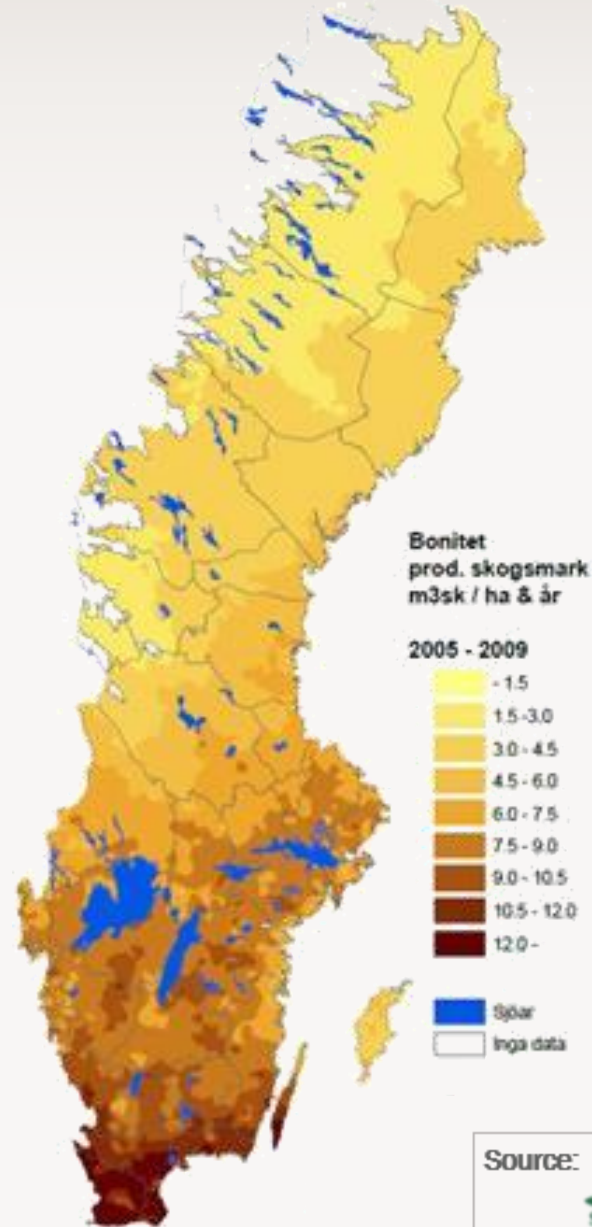
SWEDEN'S SHARE OF THE WORLDS



Source:
 Skogs Industrierna

FOREST PRODUCTIVITY

~ 6 $\frac{m^3 sk}{ha \text{ year}}$



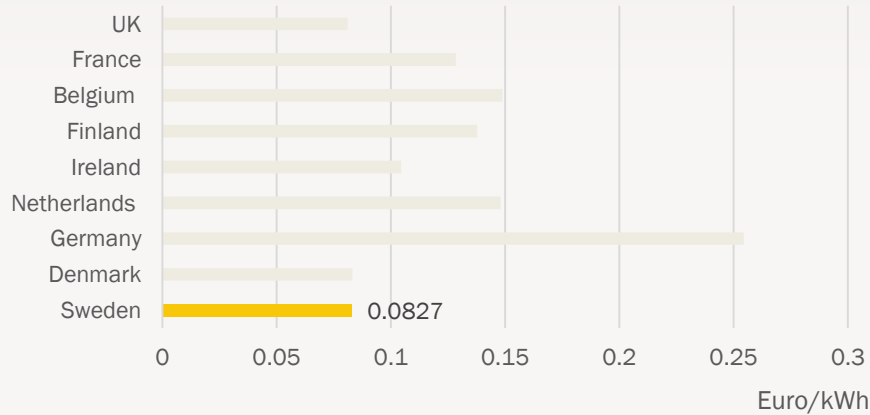
Source:



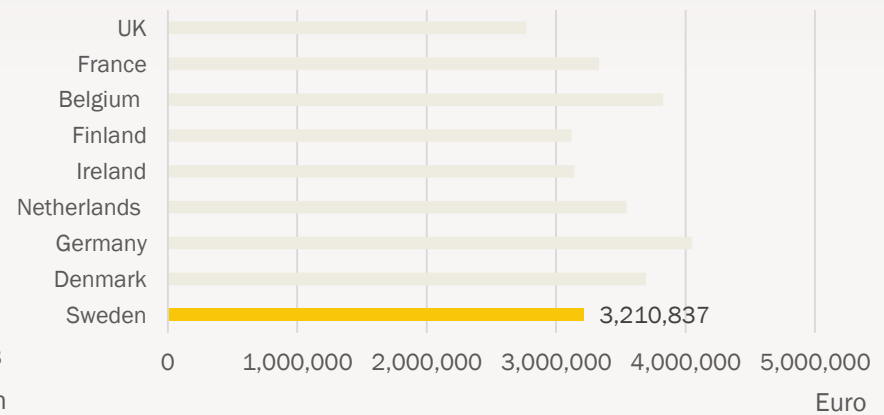
RIKSSKOGSTAXERINGEN

EU BENCHMARK ON ELEMENTAL COSTS

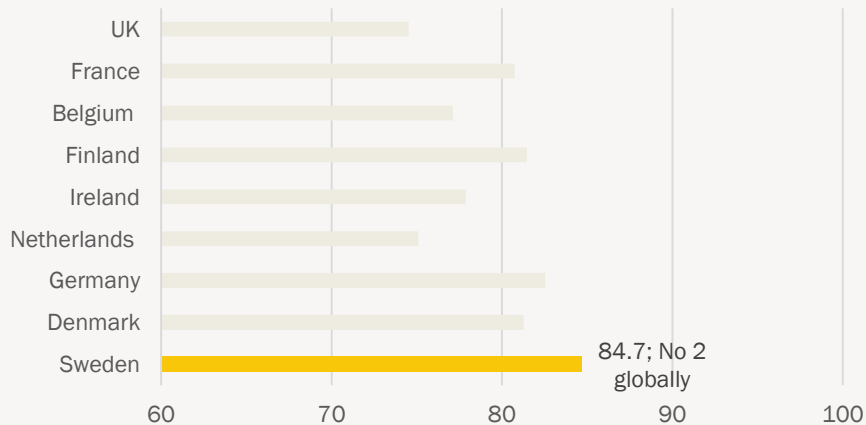
Electricity price



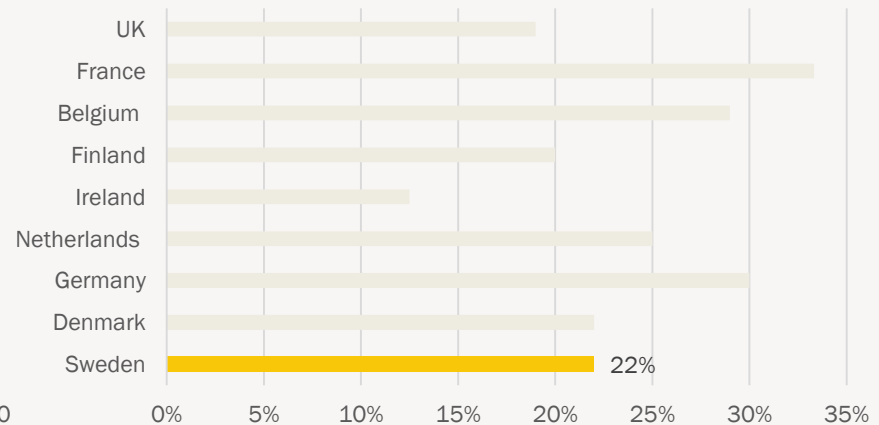
Labor costs Regional HQ (50 head counts)



Bloomberg Innovation Index

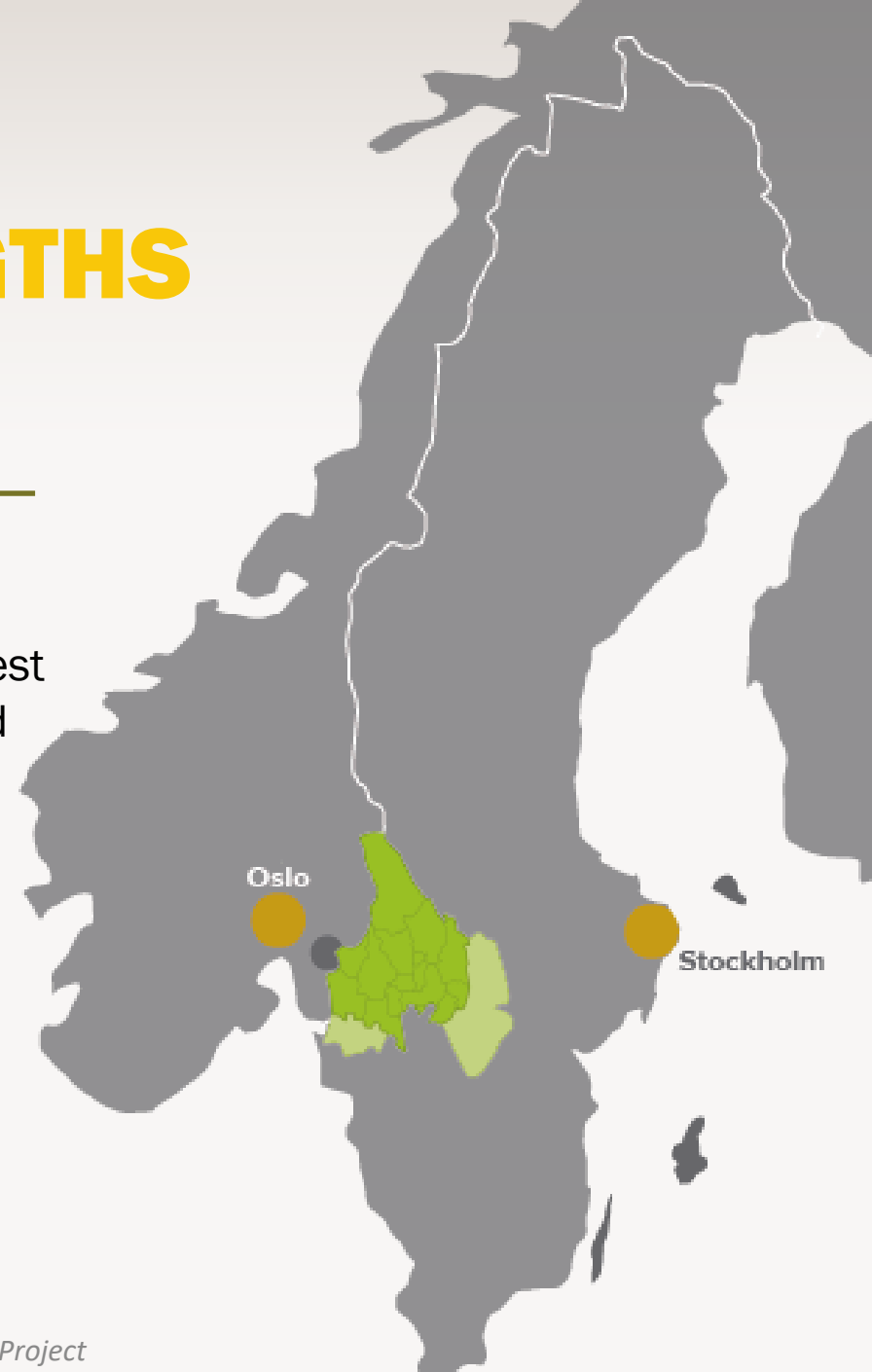


Corporate tax



REGIONAL STRENGTHS IN SHORT

- ▶ Regional smart specialization strategy in forest based bioeconomy – academia, industry and government support
- ▶ World class forest industries and suppliers
- ▶ Abundant raw material
- ▶ A long history – competence and network



WORLD CLASS PRODUCT AREAS

- ▶ Packaging materials
- ▶ Packaging solutions
- ▶ Specialty paper
- ▶ Paper board
- ▶ Pulp- and paper machines
- ▶ Tissue machines
- ▶ Mechanical wood processing
- ▶ Pulp- and paper components (valves, measuring equipment, rollers, etc)
- ▶ Coating machines
- ▶ Engineering services
- ▶ Bio energy solutions
- ▶ Research & development

MILLS IN VÄRMLAND

(2016 production figures)



BILLERUDKORSNÄS

Gruvön Mill

Kraft pulp	428 kton
NSSC	256 kton
Paper/board	592 kton



Rottneros Mill

CTMP	88 kton
Groundwood	69 kton



STORAENSO

Skoghall Mill

Kraft pulp	351 kton
CTMP	249 kton
Paper/board	758 kton



Säfte Mill

Sulfite pulp	27 kton
Paper/board	30 kton



Bäckhammar Mill

Kraft pulp	218 kton
Paper/board	141 kton

