



BILLERUDKORSNÄS

Welcome to BillerudKorsnäs



Safety first



Emergency exit



Personal protective
equipment



Alarms and
assembly point



Care for each other



Defibrillator and
first aid kit



Emergency
number



Fire
extinguisher



Agenda

- **Welcome and presentation BillerudKorsnäs**
by Christoph Michalski, President and CEO
- **Presentation Gävle Mill**
by Pierre Aggarwal, Mill director
- **Presentation Wood Supply**
by Per Funkquist, Director Staff/Sustainability and Communication Wood Supply
- **Presentation Sustainability and Products**
by Johan Ericson, Public Affairs Manager Sustainability & Public Affairs
- **Bus to SETRA (2:00 PM)**



BillerudKorsnäs

Christoph Michalski

• *President and CEO*

BillerudKorsnäs in short

Combined Net sales approx. (2021)

37,2*
Billion SEK

Member of
Dow Jones Sustainability Indices

Powered by the S&P Global CSA

Combined Sales Volumes approx. (2021)

4,1
Million tonnes



5 800
Number of employees



10

Production units

Frövi/Rockhammar
Gruvön
Gävle
Karlsborg
Pietarsaari
Skärblacka
Escanaba
Quinnesec
Wisconsin Rapids

51%

Product Area Paper
Share of net sales

40%

Product area Board
Share of net sales

9%

Solutions and other
Share of net sales

* Reported net sales for 2021. Calculation based on USD/SEK exchange rate 8.60 (average during 2021).

High quality virgin fibre based materials



Fluting



Liner



3D Paper



Cartonboard



Kraft Paper
(Specialty)



Graphical paper



Sack paper



Liquid Packaging
Board



Kraftpaper
(Bags)



Kraft paper
(Medical)

Our production units



Gruvön
870 kt/year
Approx. 790
employees



Karlsborg
335 kt/year
Approx. 380
employees



Escanaba
700 kt/year
Approx. 830
employees



**Frövi/
Rockhammar**
500 kt/year
Approx. 540
employees



Pietarsaari
200 kt/year
Approx. 120
employees



Quinnesec
400 kt/year paper
Approx. 420
employees



Gävle
755 kt/year
Approx. 710
employees



Skärblacka
460 kt/year
Approx. 630
employees

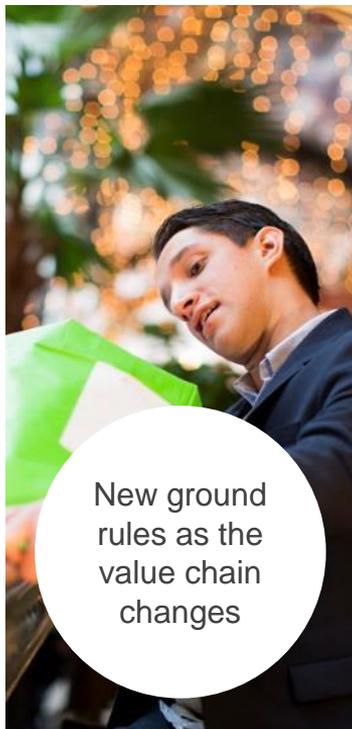


**Wisconsin
Rapids**
(Sheets
converting
facility)

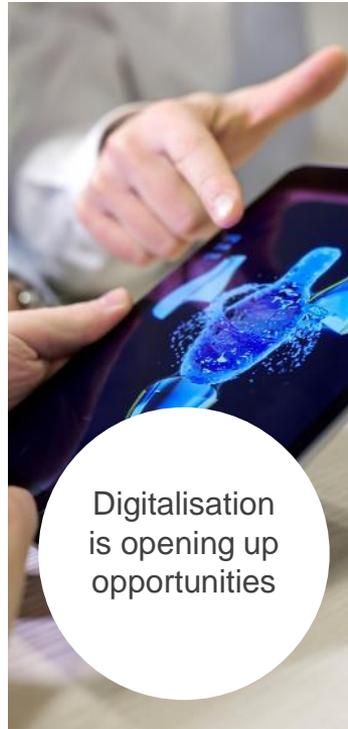
Global external trends that affect the packaging industry



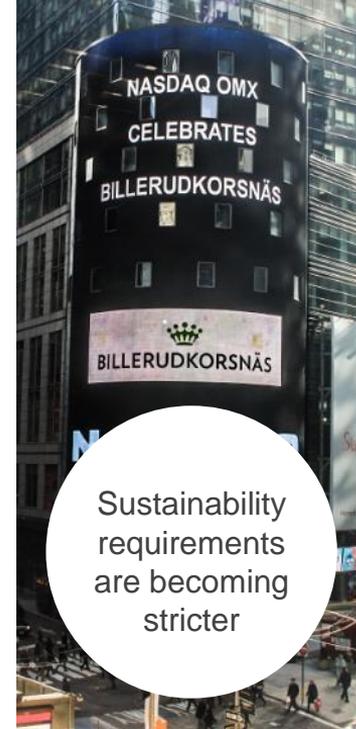
Demand for sustainable packaging is growing



New ground rules as the value chain changes



Digitalisation is opening up opportunities



Sustainability requirements are becoming stricter



Growing interest in the forest as a source of raw material

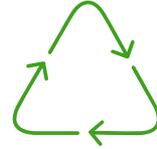
We are uniquely positioned



Renewable fibres
from responsible
sources



Most production run
on biofuels from the
forest



Paper is one of the
most recycled
packaging materials

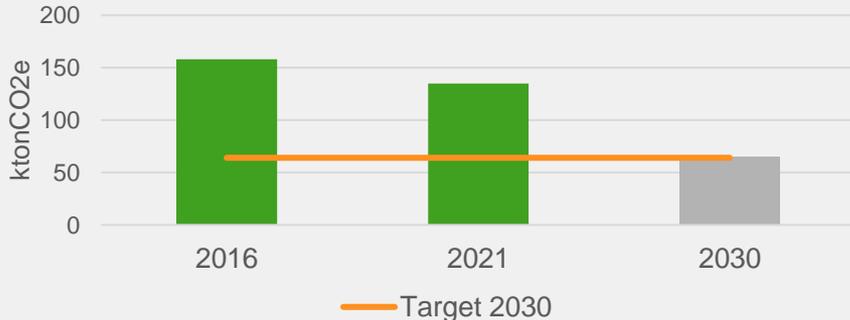


Biodegradable raw
material with low
littering potential

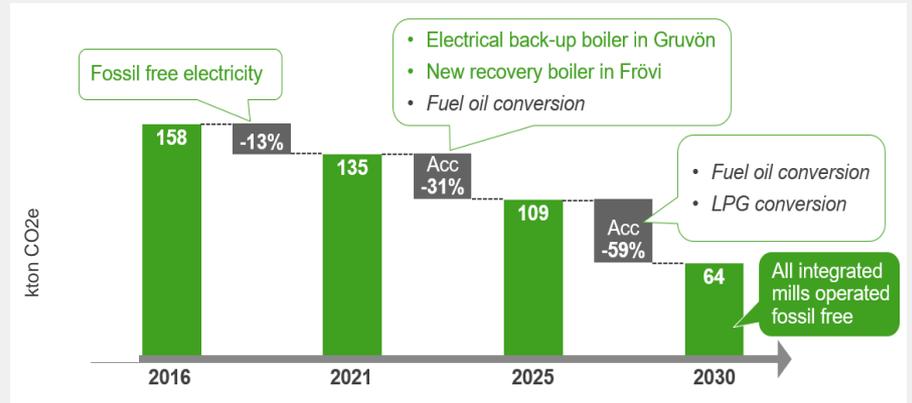
We have set ambitious targets in our European operations

- Our science-based climate targets are aligned with the Paris agreement and the 1.5-degree pathway
- Scope 1 and 2 include direct greenhouse gas emissions from own operations and indirect emissions from purchased energy

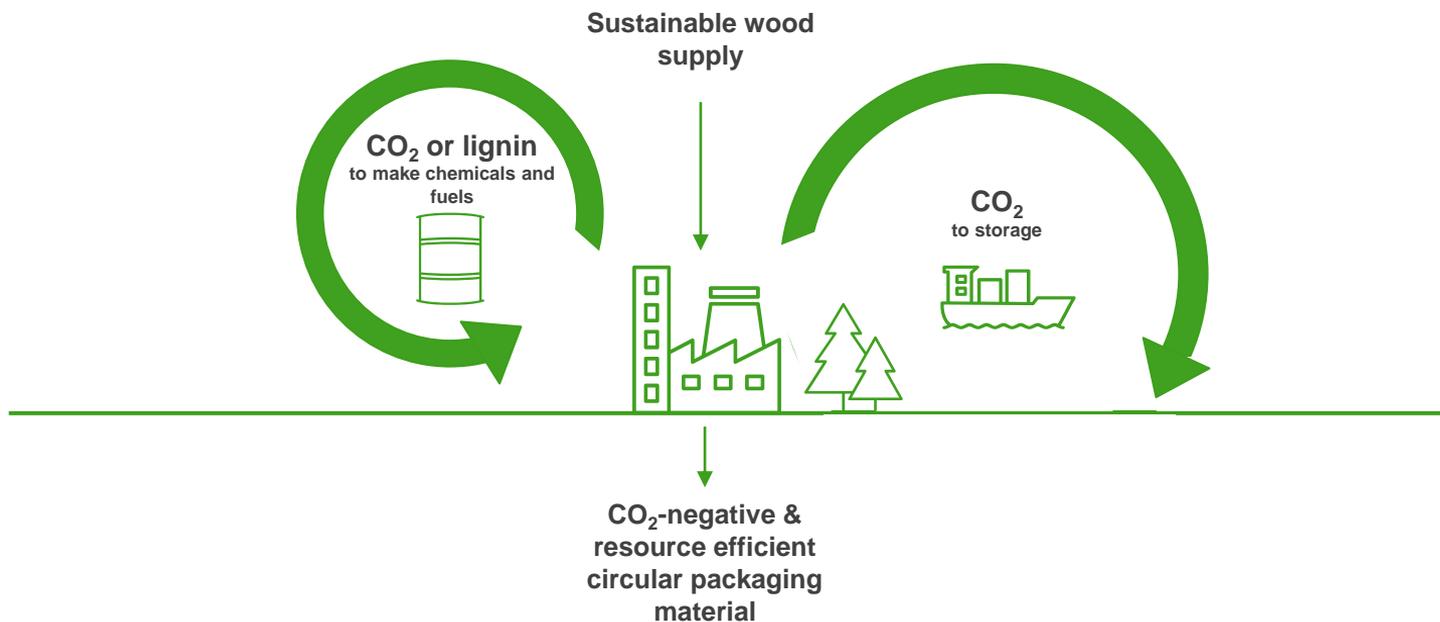
Scope 1 & 2



- Main impact since 2016 is purchasing of fossil-free electricity
- The key actions in the roadmap are mainly related to a shift into bio-oil and bio-gas



Vision for the future



Example: BECCS plant in Follum (CarbonCentric)





BillerudKorsnäs Gävle Mill

Pierre Aggarwal
Mill Director

BillerudKorsnäs Gävle Mill



Long history and knowledge
First pulp 1910 - First paper 1925



700 employees



740,000 tonnes per year



Production all hours, every day in
a 6-shift system



Two board-machines

Industrial integrate with beneficial partnerships

Co-owned (with community) solid fuel boiler
External Sawmill (Setra)



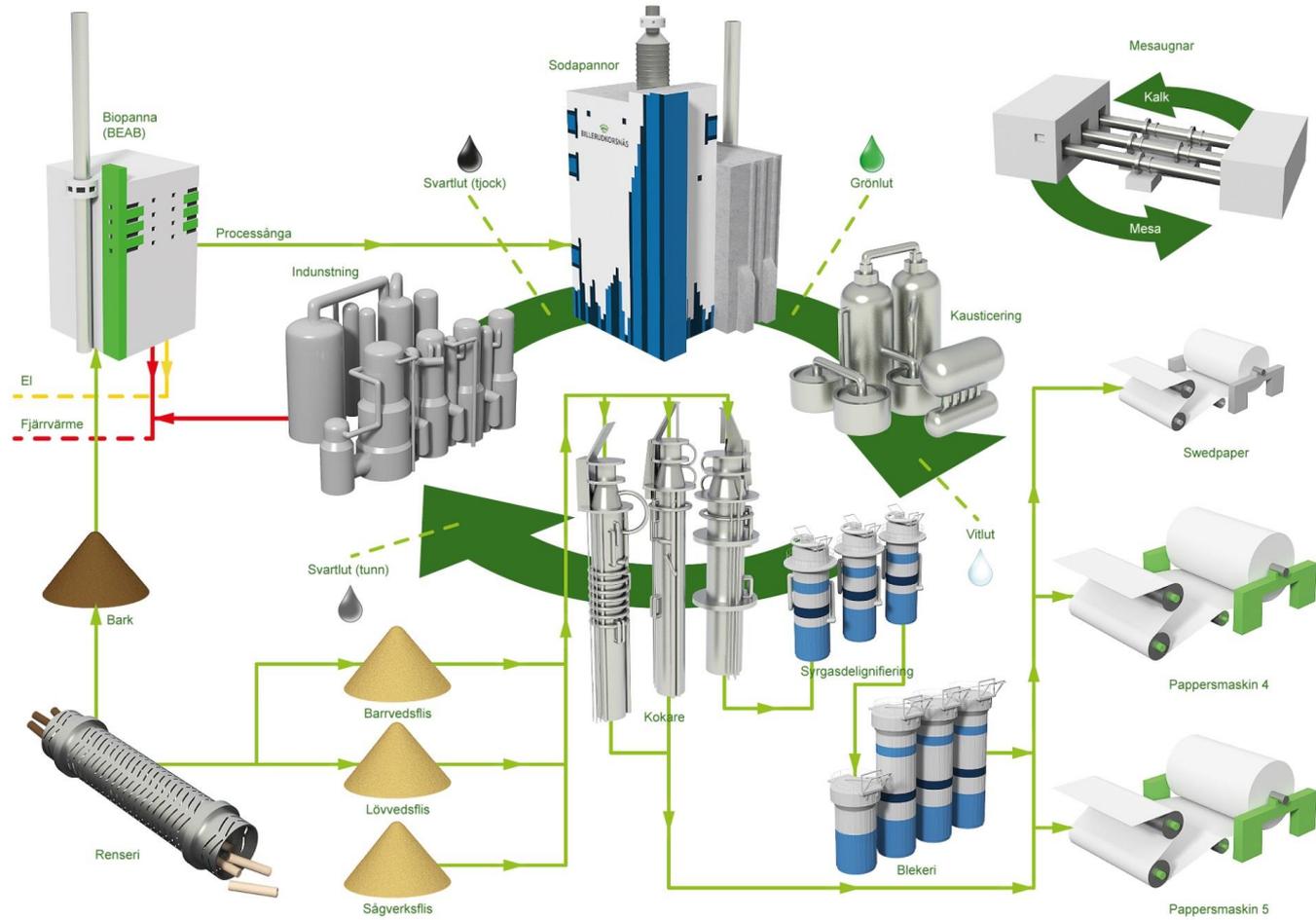
Neighbouring Logistical Centers

YILPORT Gävle Container Terminal

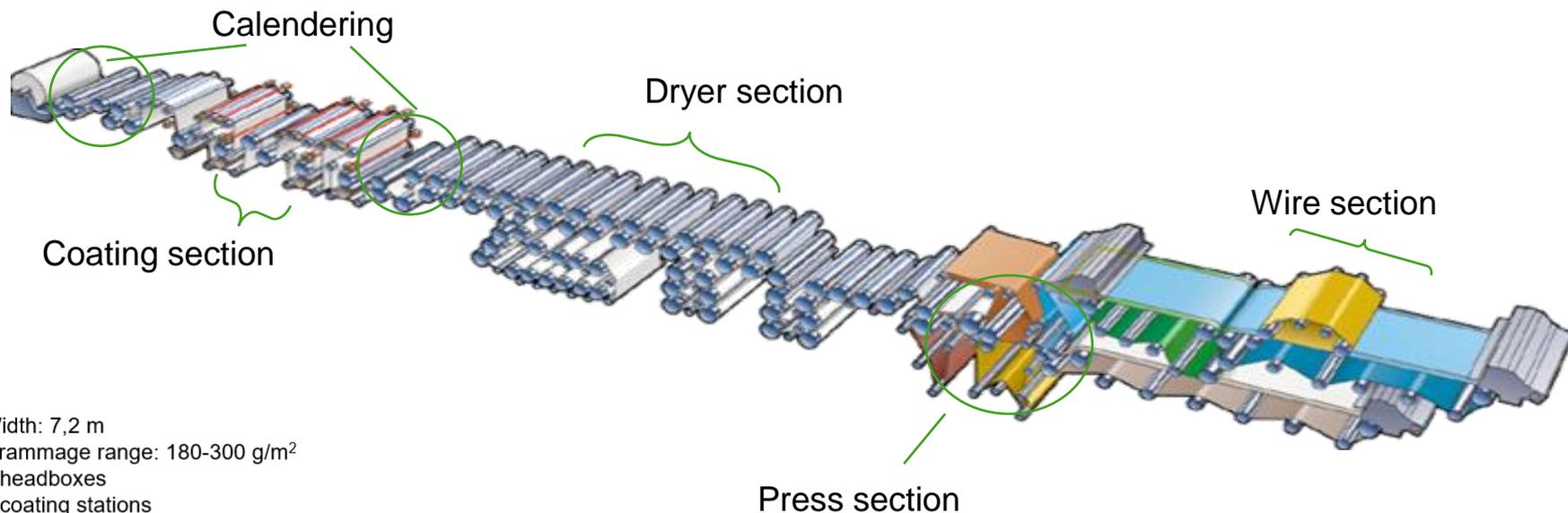


YILPORT Gävle Granudden





PM5



PM5

Width: 7,2 m

Grammage range: 180-300 g/m²

3 headboxes

2 coating stations

Board qualities:

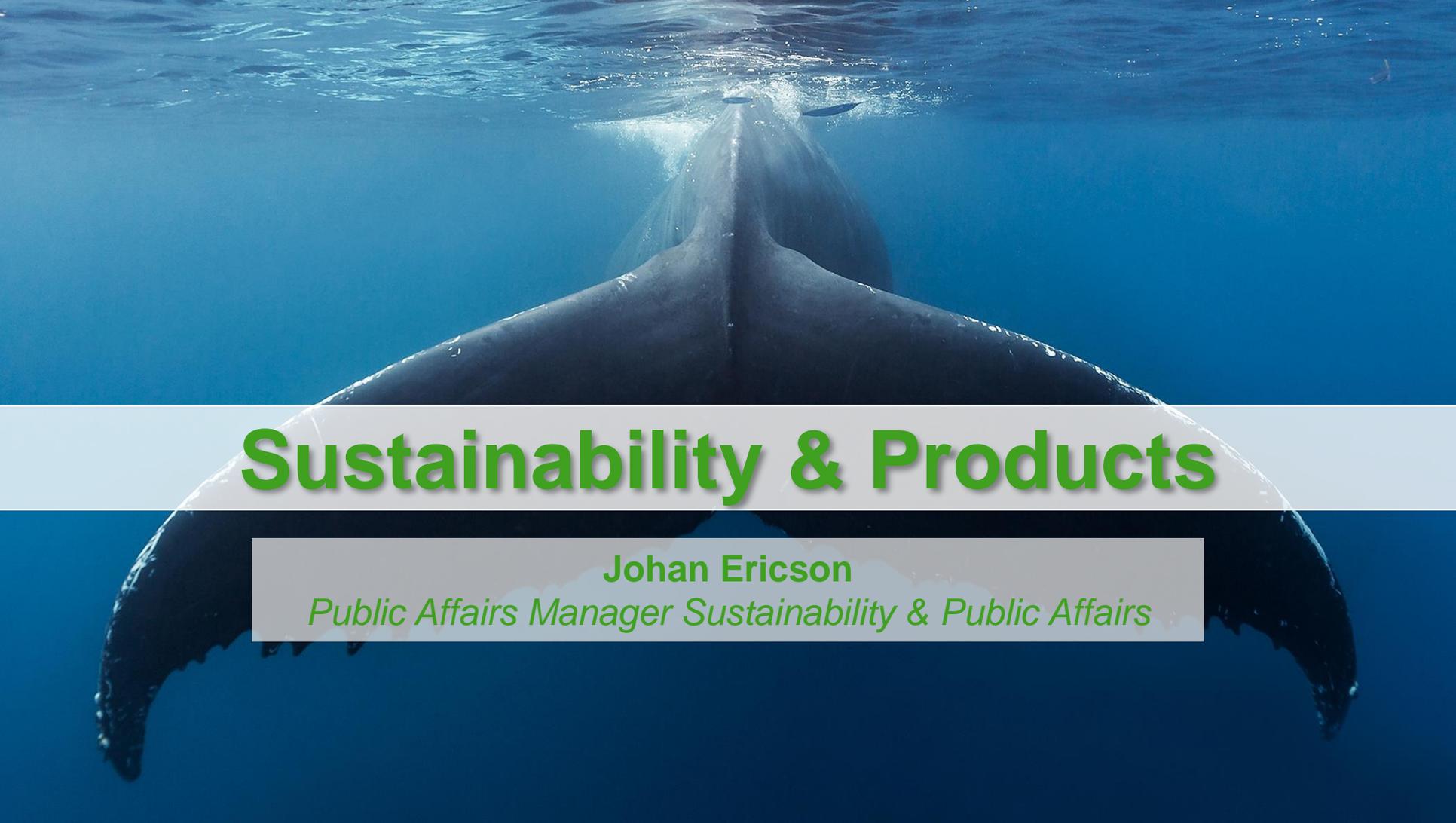
Coated and uncoated liquid packaging board (LPB)

A close-up photograph of a person's hands from behind, with the index and middle fingers of both hands extended to form a heart shape. The background is a bright, warm sunset or sunrise with a bokeh effect of trees. The person is wearing a dark long-sleeved shirt.

Wood Supply

Per Funkquist

Director Staff/Sustainability and Communication Wood Supply

An underwater photograph showing the tail of a whale as it moves away from the camera. The water is clear and blue, with light filtering down from the surface. The whale's tail is dark and has a distinct central ridge. The tail is positioned centrally in the frame, with the water surface visible at the top.

Sustainability & Products

Johan Ericson

Public Affairs Manager Sustainability & Public Affairs

Two global challenges to solve



The source of CO₂ matters!

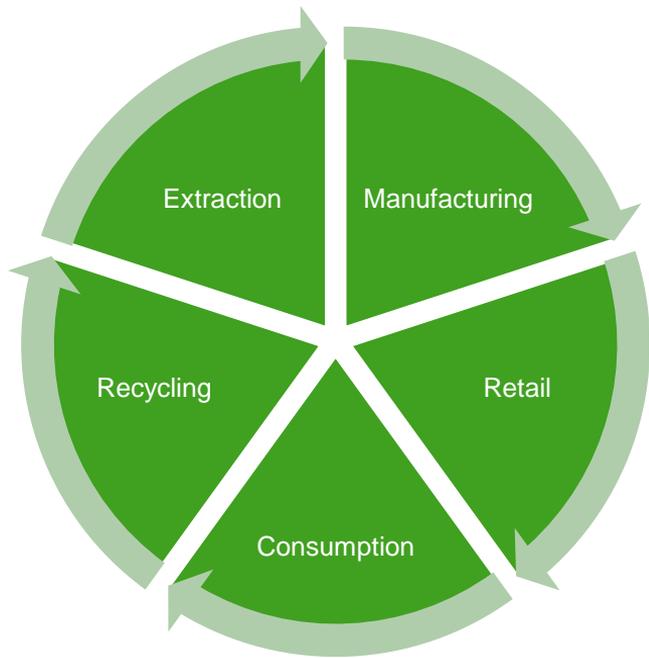
Biogenic carbon

Carbon from photosynthesis - no additional CO₂ is emitted to the atmosphere, when there is no deforestation.

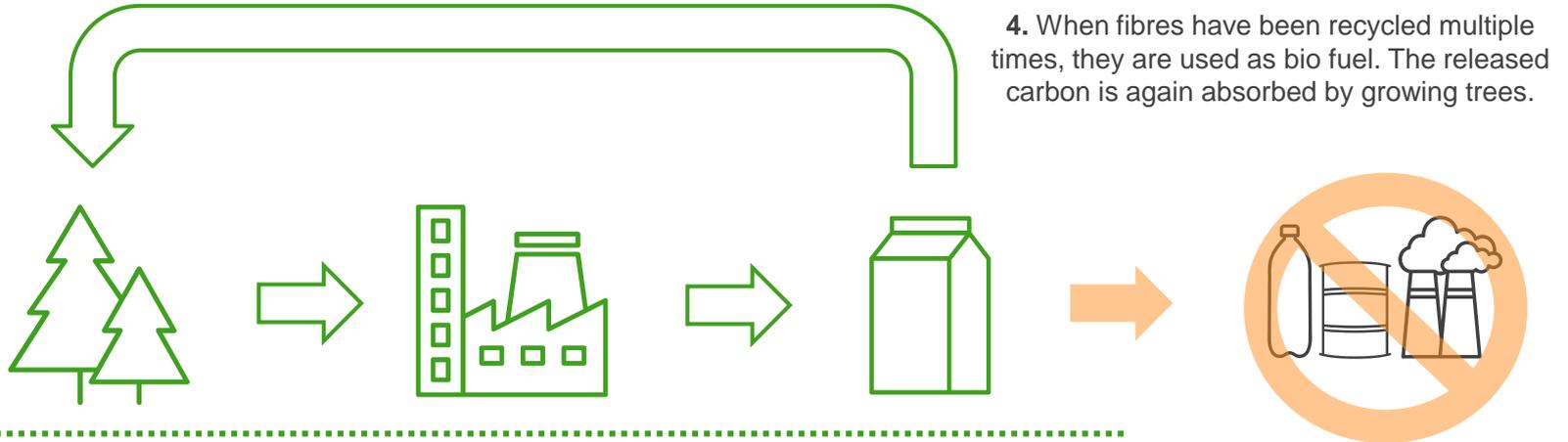
Fossil carbon

Stored carbon in million of years
– additional CO₂ is emitted to
the atmosphere

Circular economy – a driver for change



Our role in combatting climate change



1. The Swedish forest is growing and captures carbon.

2. Our production runs to 97% on renewable biofuels

3. When our products are used instead of fossil packaging, **we can eliminate 5.4 million tonnes of fossil CO₂** from the atmosphere. This corresponds to the annual emissions from the entire Swedish steel industry.

4. When fibres have been recycled multiple times, they are used as bio fuel. The released carbon is again absorbed by growing trees.

Climate targets aligned with science



CO₂-targets approved to be in line with the **Paris Agreement** 1.5-degree pathway

Scope 1 & 2*: **-59%** by 2030

Scope 3*: **-30%** by 2030

Some of our results in 2021*



-13%

CO₂ reduction from production
97.3% fossil free
(Scope 1 & 2)



-7%

CO₂ decrease for upstream transports
(Scope 3)



-19%

CO₂ reduction on purchased chemicals
(Scope 3)

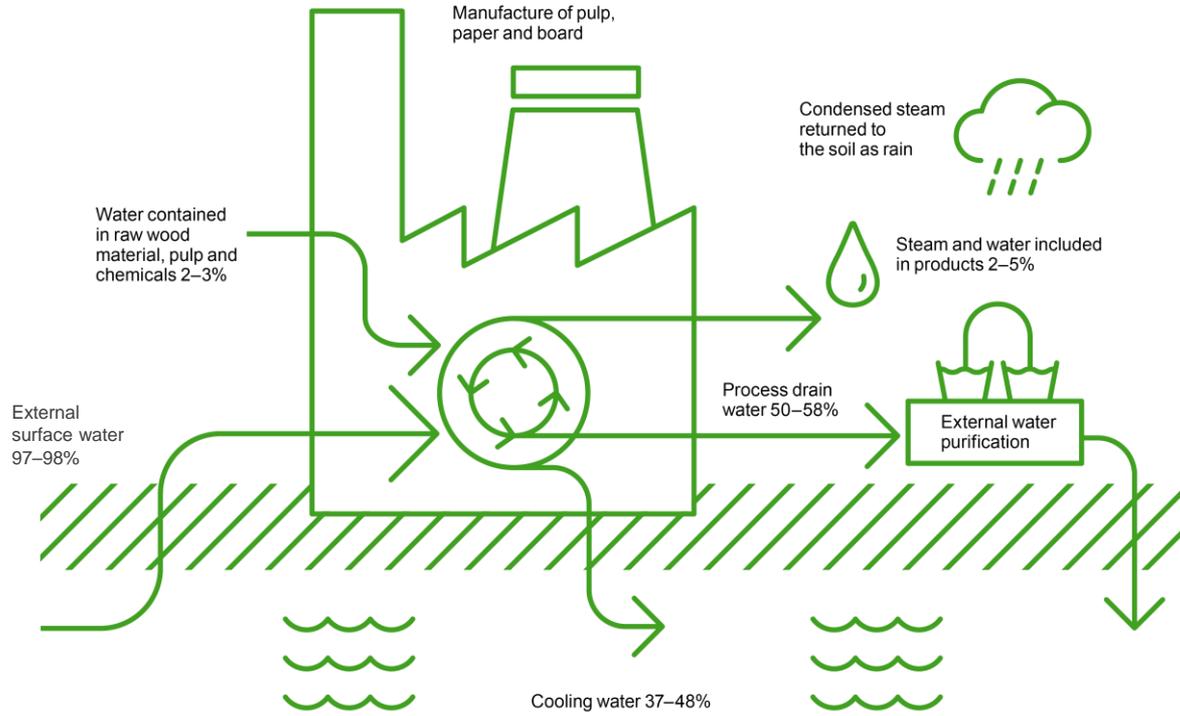


-14%

CO₂ reduction on downstream transports
(Scope 3)

Water in a mill is “borrowed”, not consumed

Recirculated, purified and released back



The sustainable loop of paper making

Recycled fibres are used multiple times and primary fibres are needed to maintain the process

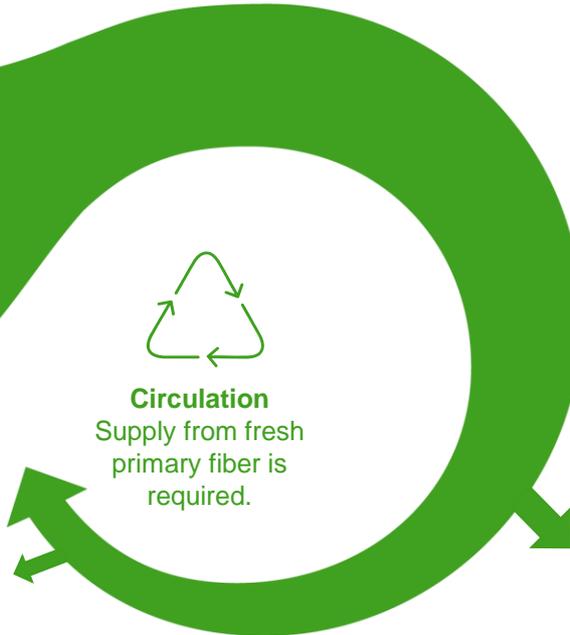
Primary fibre from sustainably managed European forests



Recycled fibre from cities and communities



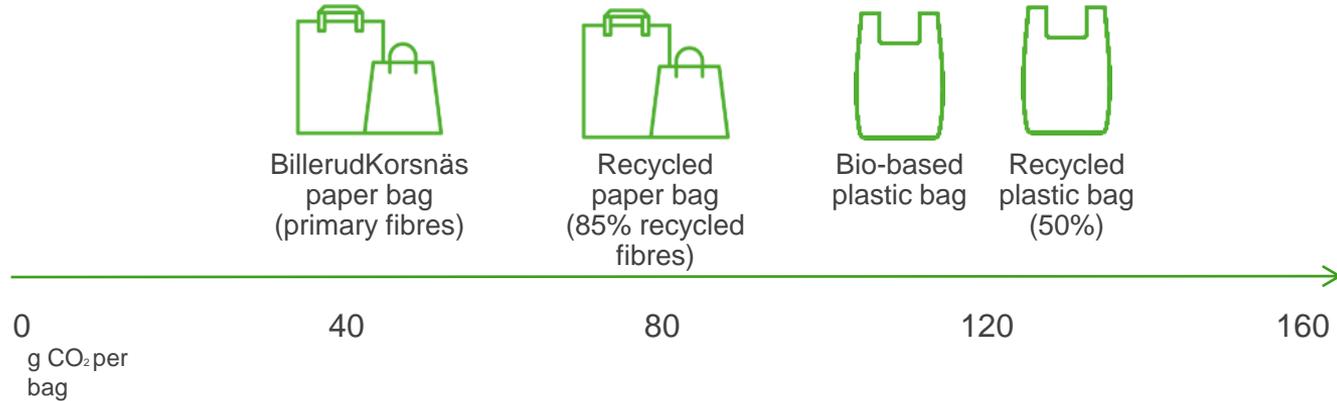
Bio-fuel production at the end of the life-cycle



82% of paper packaging is recycled in Europe

100% recovery is not possible due to incomplete collection, yield loss, uncoverable products, etc.

Paper bag – best choice for the climate



Source: IVL Swedish Environment Research Institute (2016): A comparative LCA study of various concepts for shopping bags and cement sacks



BILLERUDKORSNÄS

Q&A

