



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

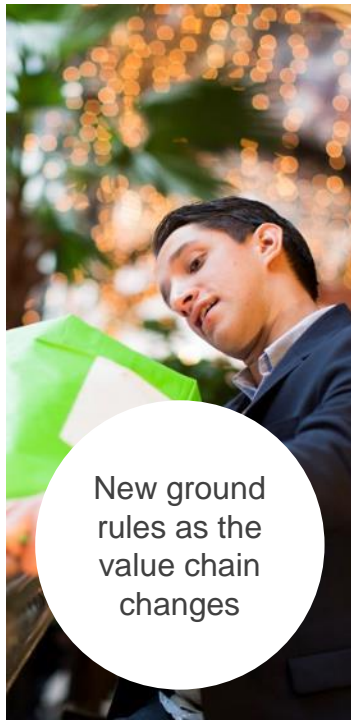


**Wisconsin
Rapids**
(Sheets
converting
facility)

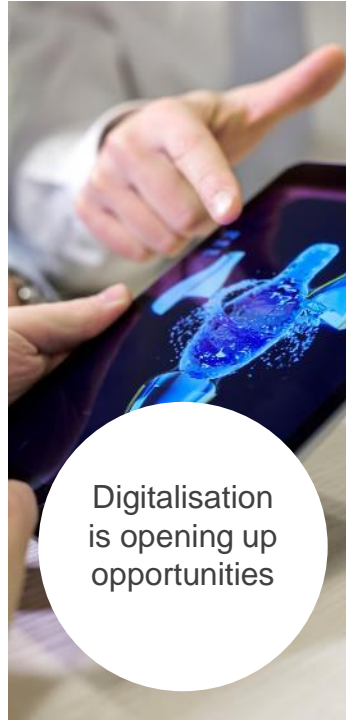
Global external trends that affect the packaging industry



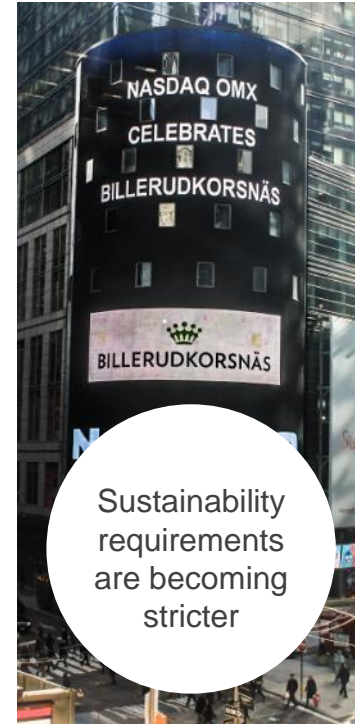
Demand for sustainable packaging is growing



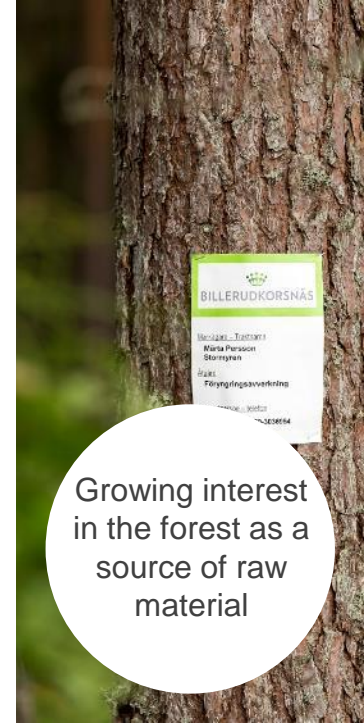
New ground rules as the value chain changes



Digitalisation is opening up opportunities



Sustainability requirements are becoming stricter



Growing interest in the forest as a source of raw material

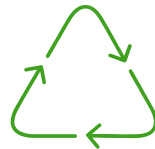
We are uniquely positioned



Renewable fibres
from responsible
sources



Most production run
on biofuels from the
forest



Paper is one of the
most recycled
packaging materials

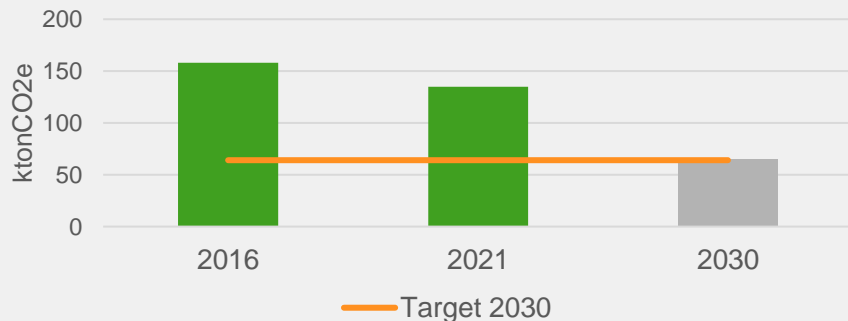


Biodegradable raw
material with low
littering potential

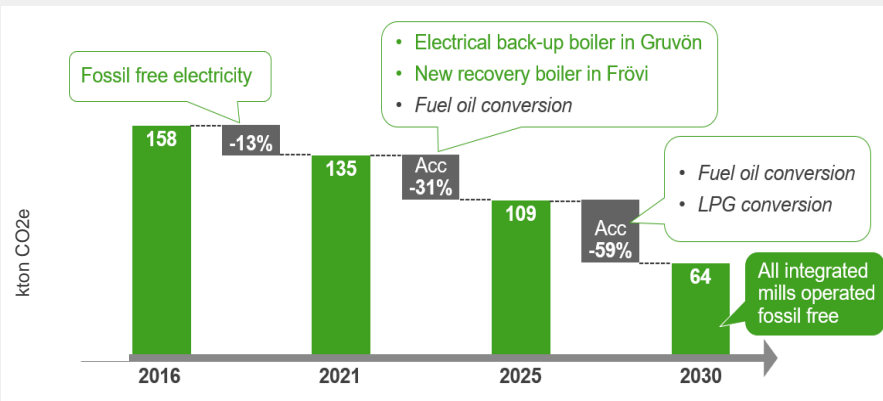
We have set ambitious targets in our European operations

- 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

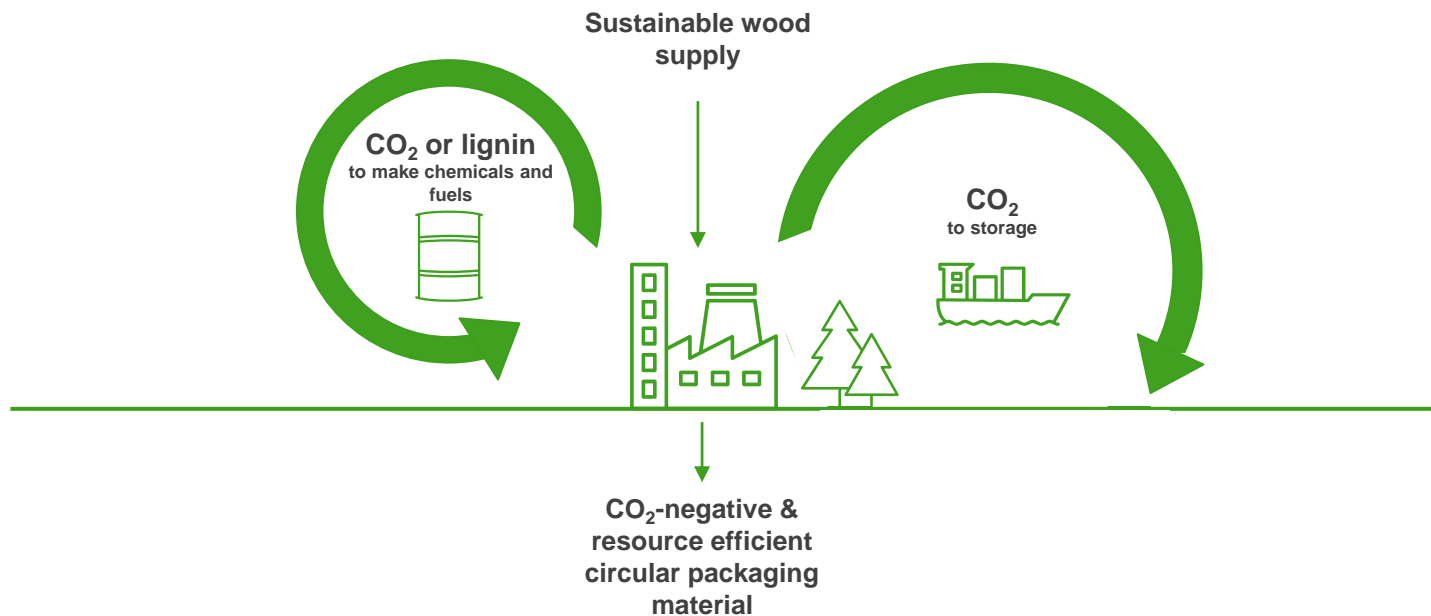
Scope 1 & 2



- 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)



A photograph of two industrial workers. The worker on the left is a man with a beard, wearing a white hard hat with a headlamp, safety glasses, and a high-visibility yellow jacket with reflective silver stripes. He is smiling. The worker on the right is seen from the back, wearing a similar white hard hat and high-visibility yellow jacket. They are standing in front of a complex metal structure with many horizontal pipes. A chain-link fence is visible in the background. A semi-transparent white banner with green text is overlaid across the middle of the image.

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)



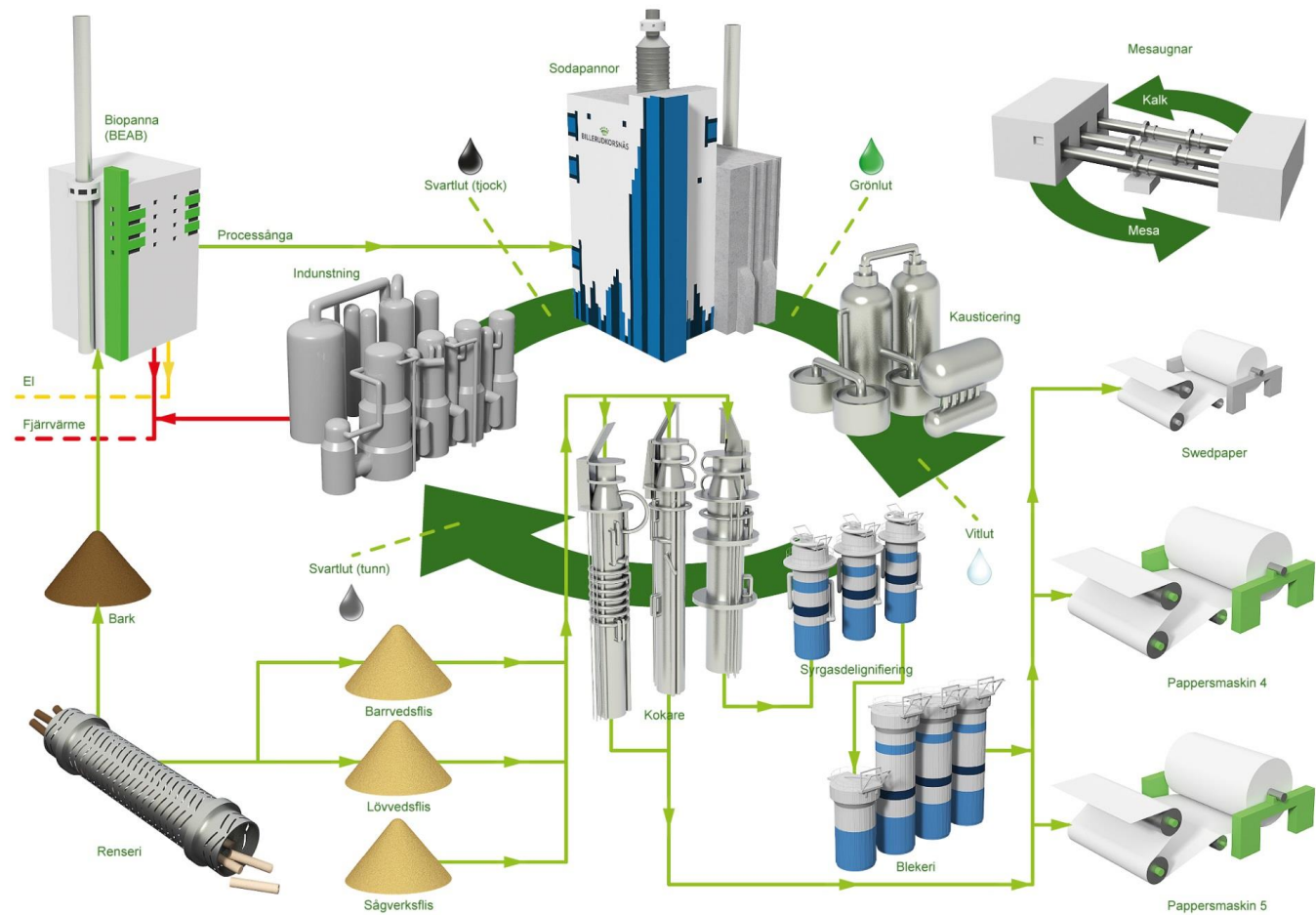
Neighbouring Logistical Centers

YILPORT Gävle Container Terminal

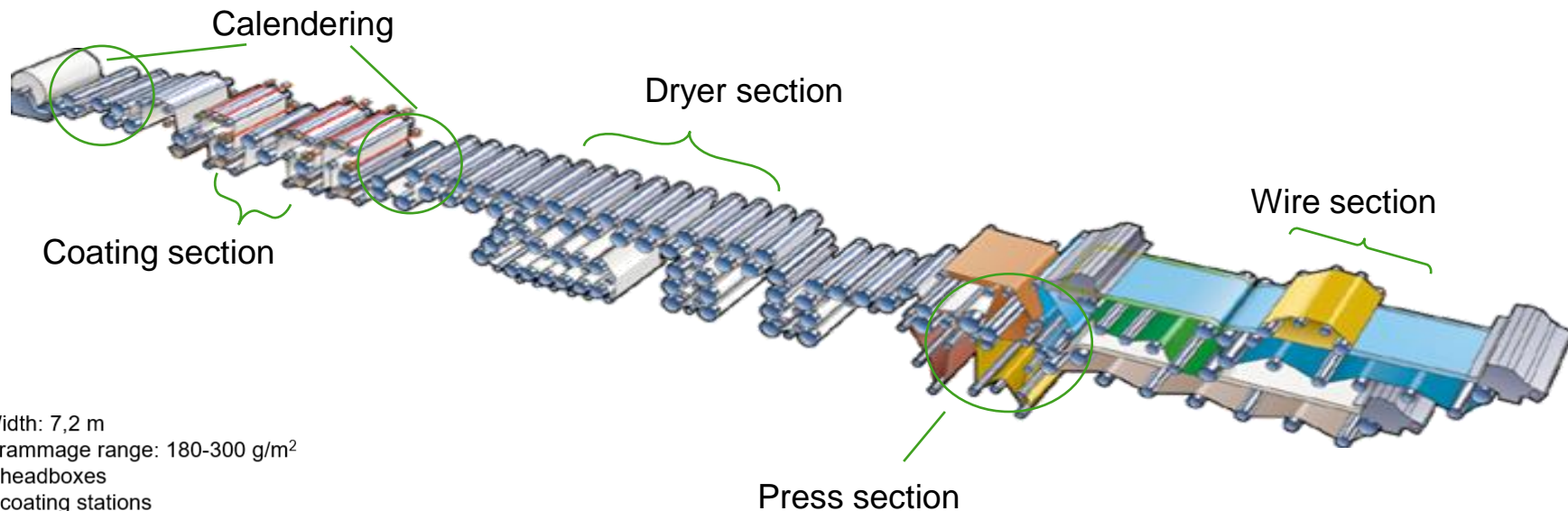


YILPORT Gävle Granudden





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 person's hands are shown from the side, with the index and thumb fingers extended to form a heart shape. The background is a warm, golden sunset with blurred trees, creating a bokeh effect. 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 tail is dark and wet, with water droplets visible. The water is a deep blue, and the surface is visible at the top of the frame with some ripples and light reflecting off it.

Sustainability & Products

Johan Ericson

Public Affairs Manager Sustainability & Public Affairs

Two global challenges to solve



The source of CO₂ matters!

Biogenic carbon

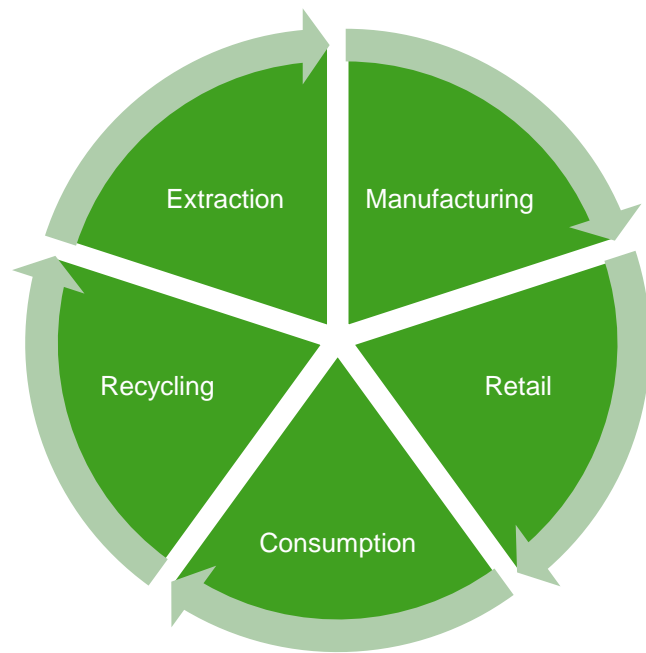
Carbon from photosynthesis - no additional CO₂ is emitted to the atmosphere, when there is no deforestation.

Fossil carbon

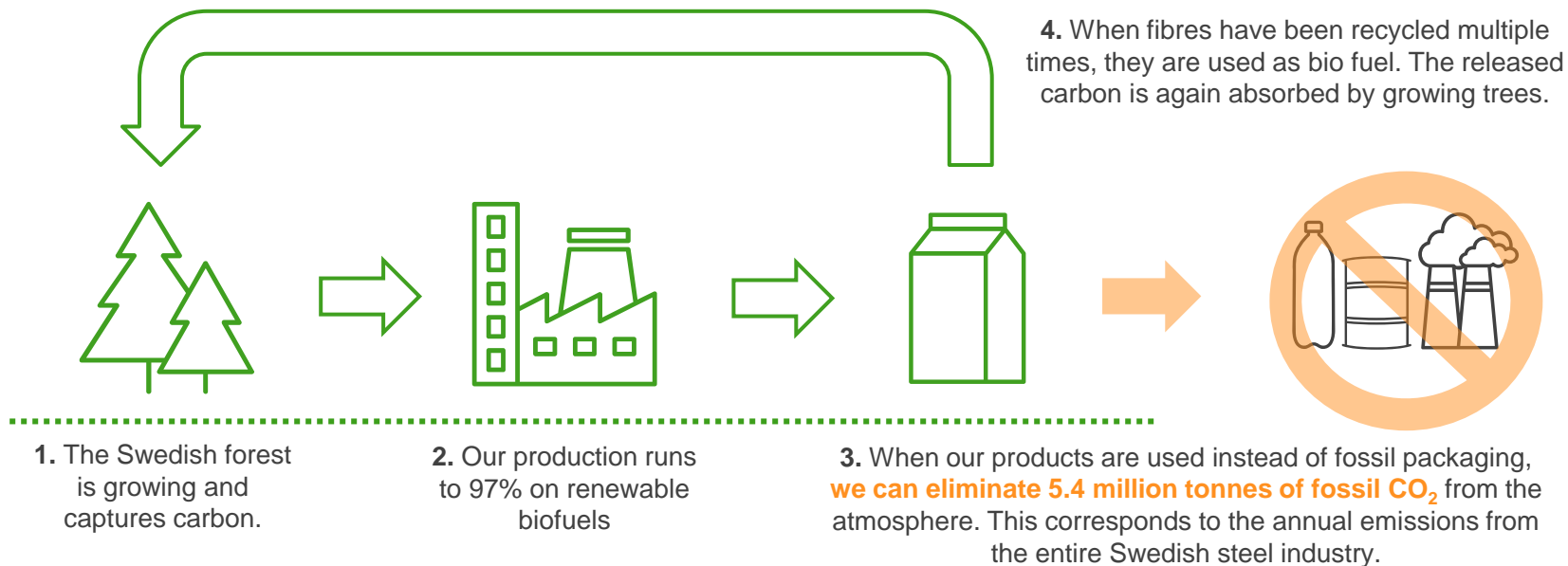
Stored carbon in million of years
– additional CO₂ is emitted to
the atmosphere

Circular economy

– a driver for change



Our role in combatting climate change



Climate targets aligned with science



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

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)

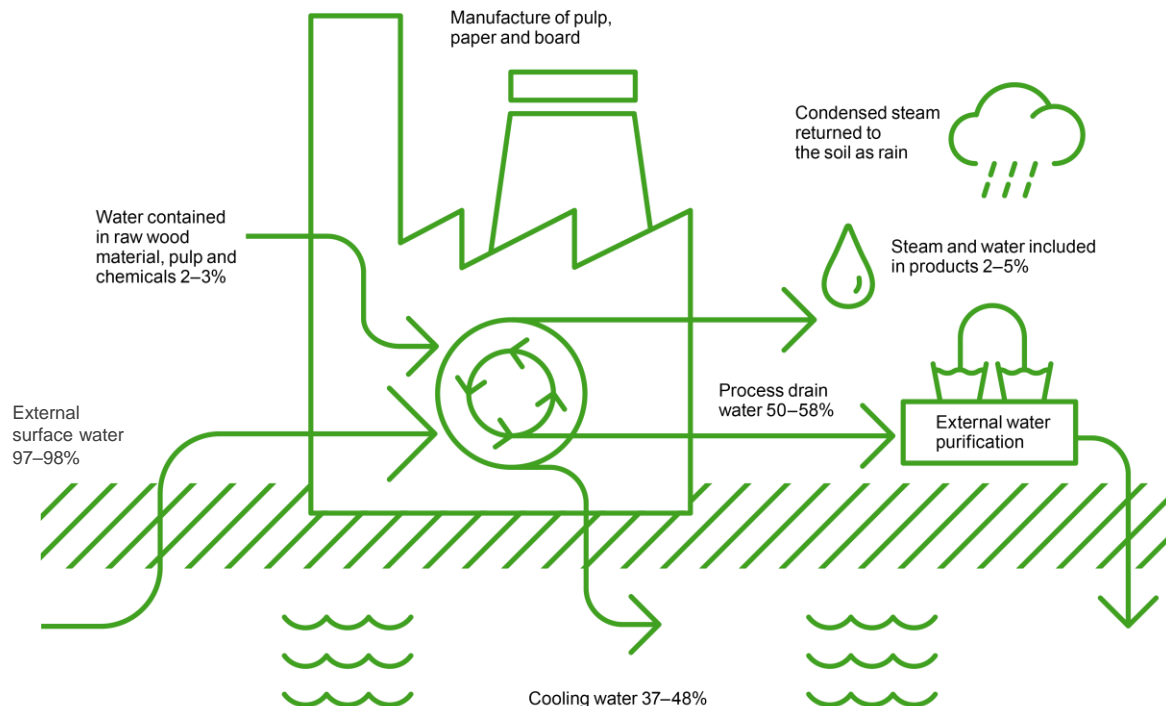


-14%

CO₂ reduction on
downstream transports
(Scope 3)

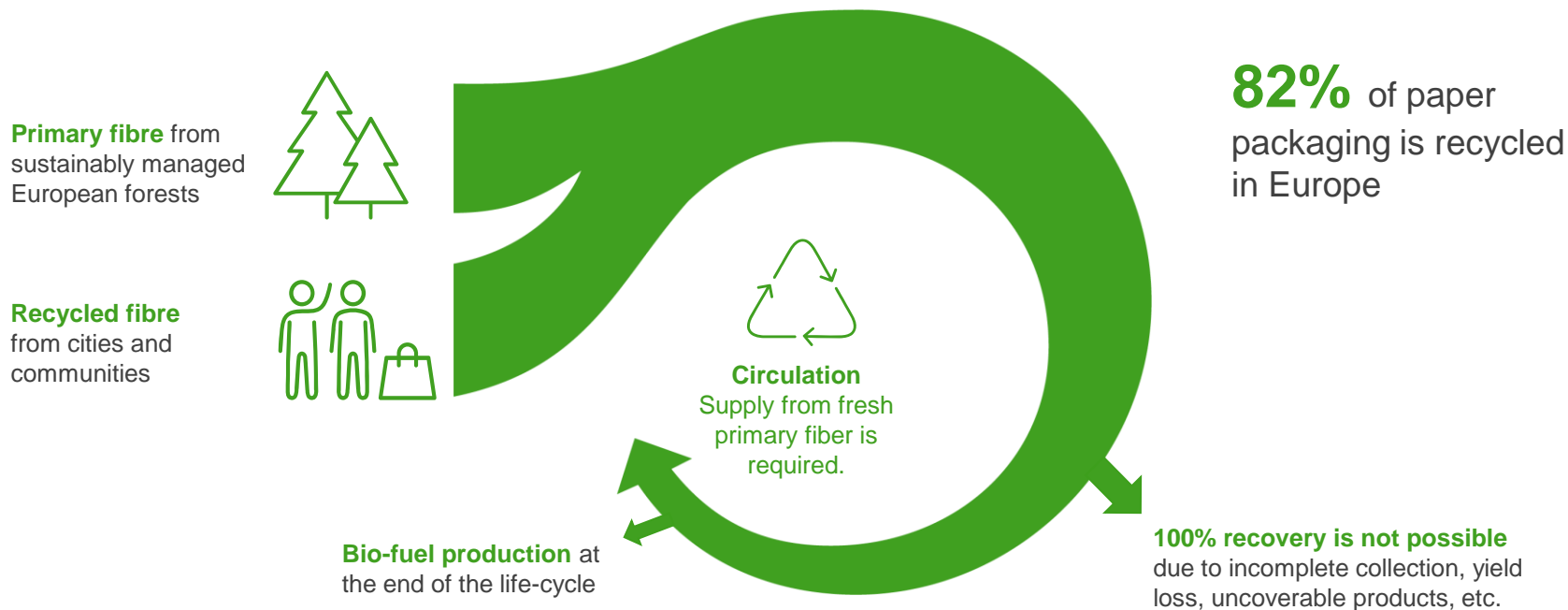
Water in a mill is “borrowed”, not consumed

Recirculated, purified and released back

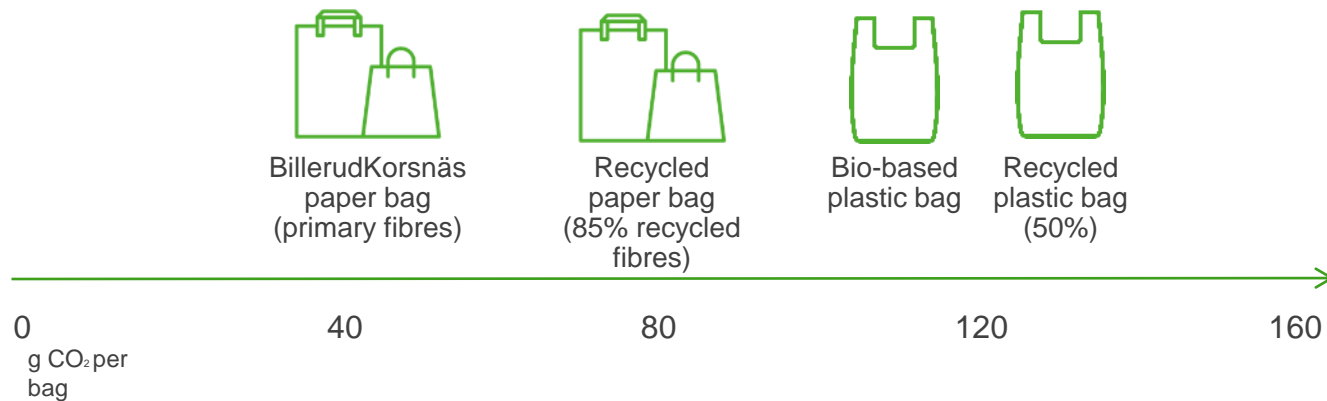


The sustainable loop of paper making

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



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

