



Innovative by nature

Only  
Welcome

# to the Lenzing Group

4<sup>a</sup> Jornada  
Industria Textil y Sostenibilidad

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Lenzing

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Barcelona

5th November, 2021

# Agenda

## 1. About us

- I. Our fibre story
- II. What we do
- III. Textiles fibers
- IV. To consumer

## 2. Challenges

- I. Global
- II. Targeted

## 3. What if...

- I. Naturally positive

## 4. With...

- I. Biorefinery model and Lenzing™ Lyocell
- II. REFIBRA™ Teechnology
- III. TENCEL™ Carbon Zero
- IV. Continuous innovation

## 5. Taking action

- I. Partnering for systemic change
- II. Initiatives and certifications

## 6. Standing up

- I. Lenzing solutions
- II. Further information



# **1. About us**

## **Our fiber story**



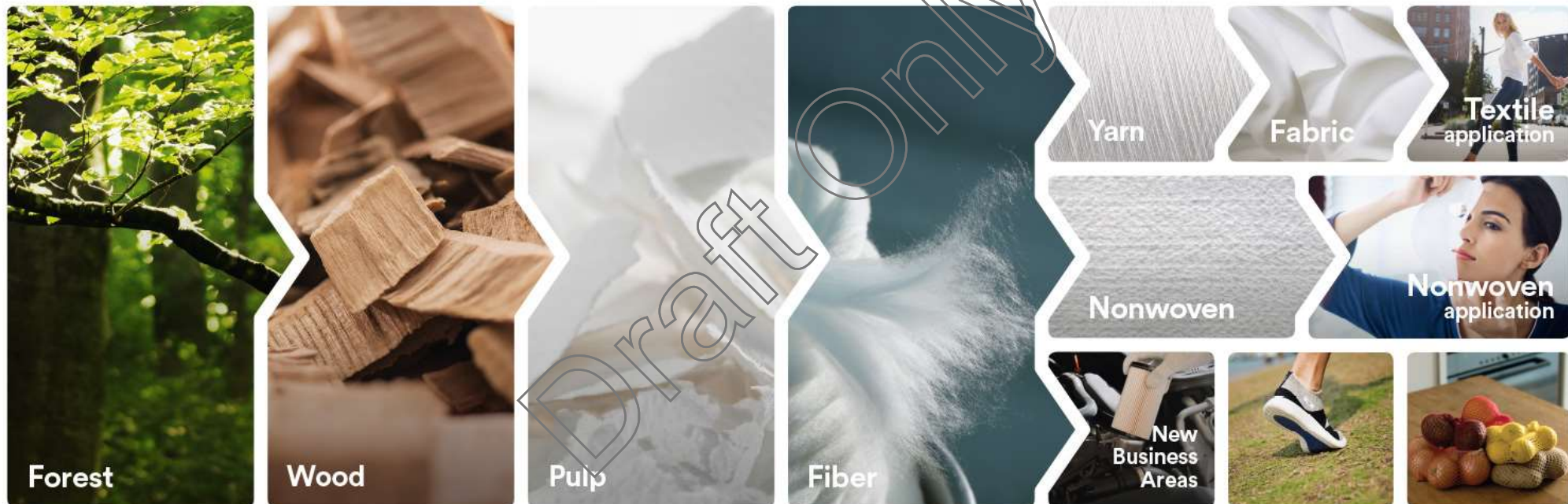




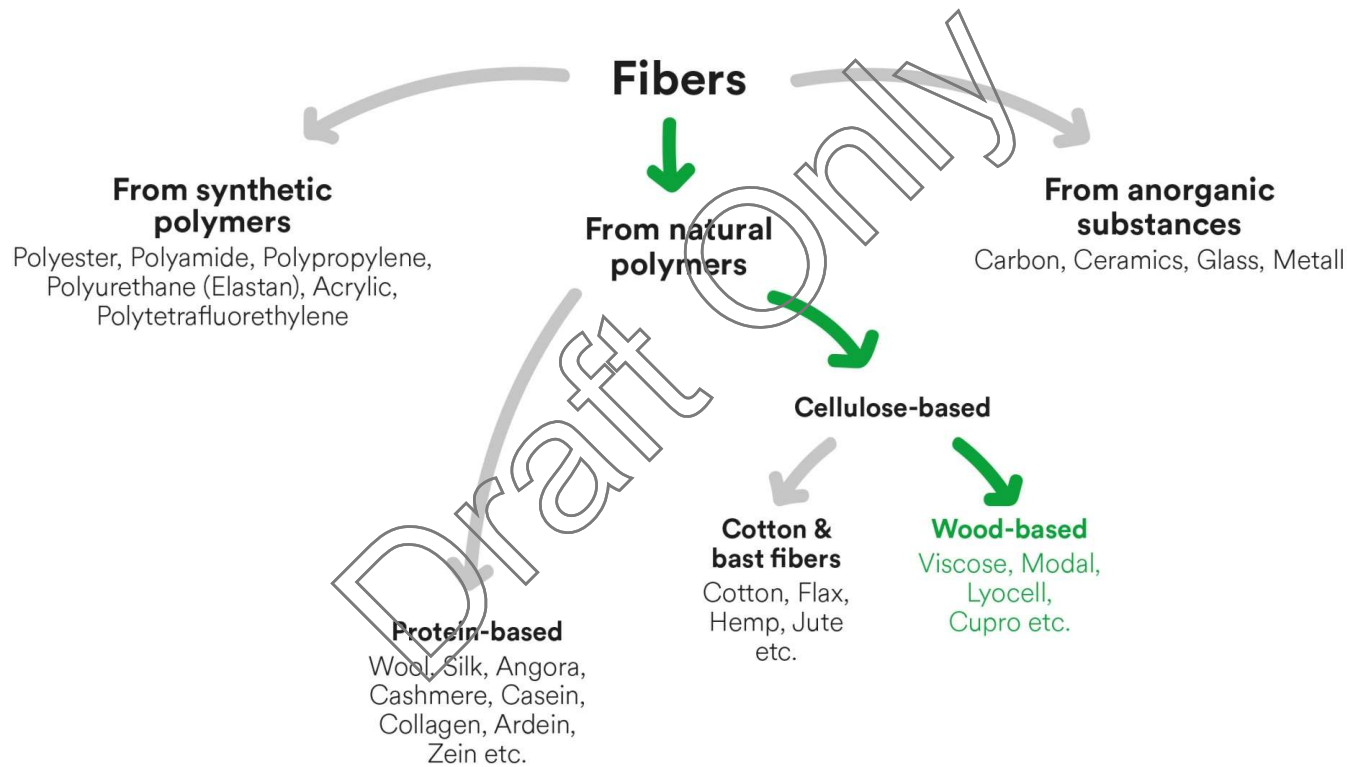


# What we do

LENZING™ fibers produced from the raw material wood



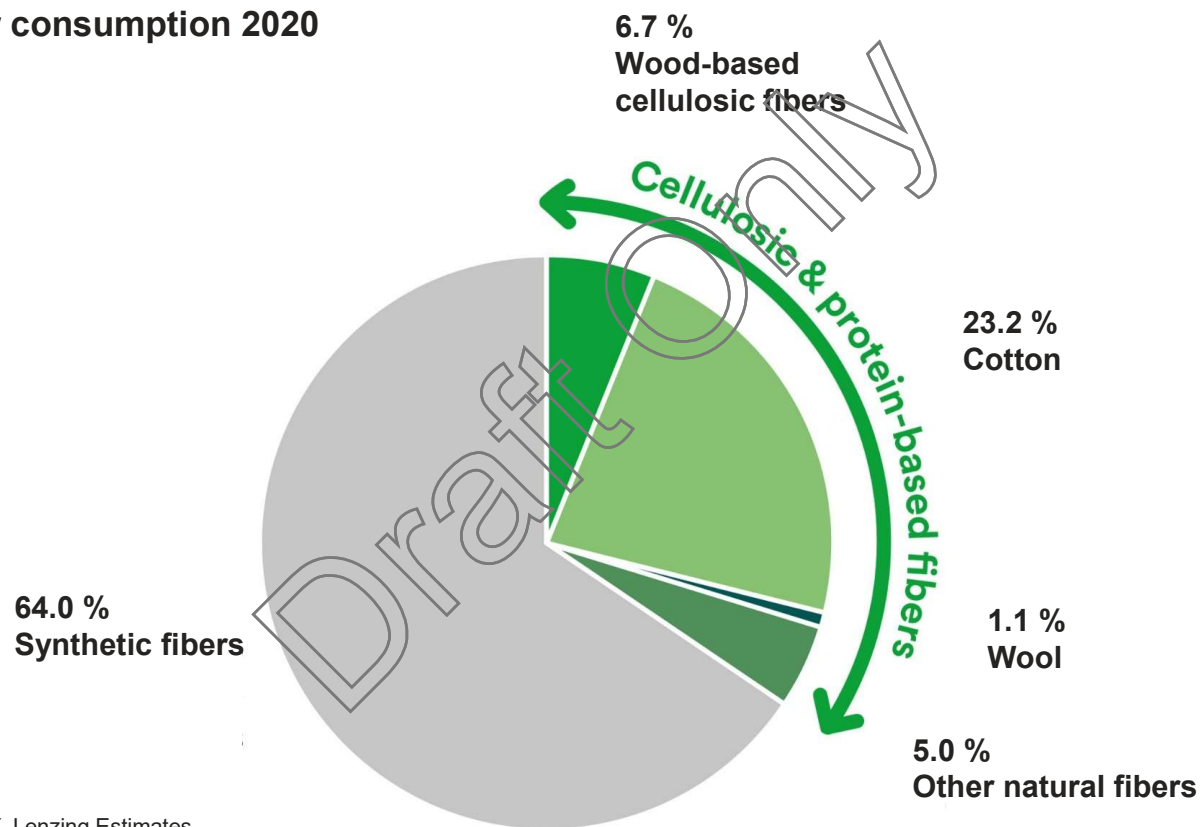
# Fibers on the world market





# Global fiber consumption in 2020<sup>1</sup>

Worldwide fiber consumption 2020  
98.2 mn tons



1) Sources: ICAC, CIRFS, TFY, Lenzing Estimates

# Our brand architecture

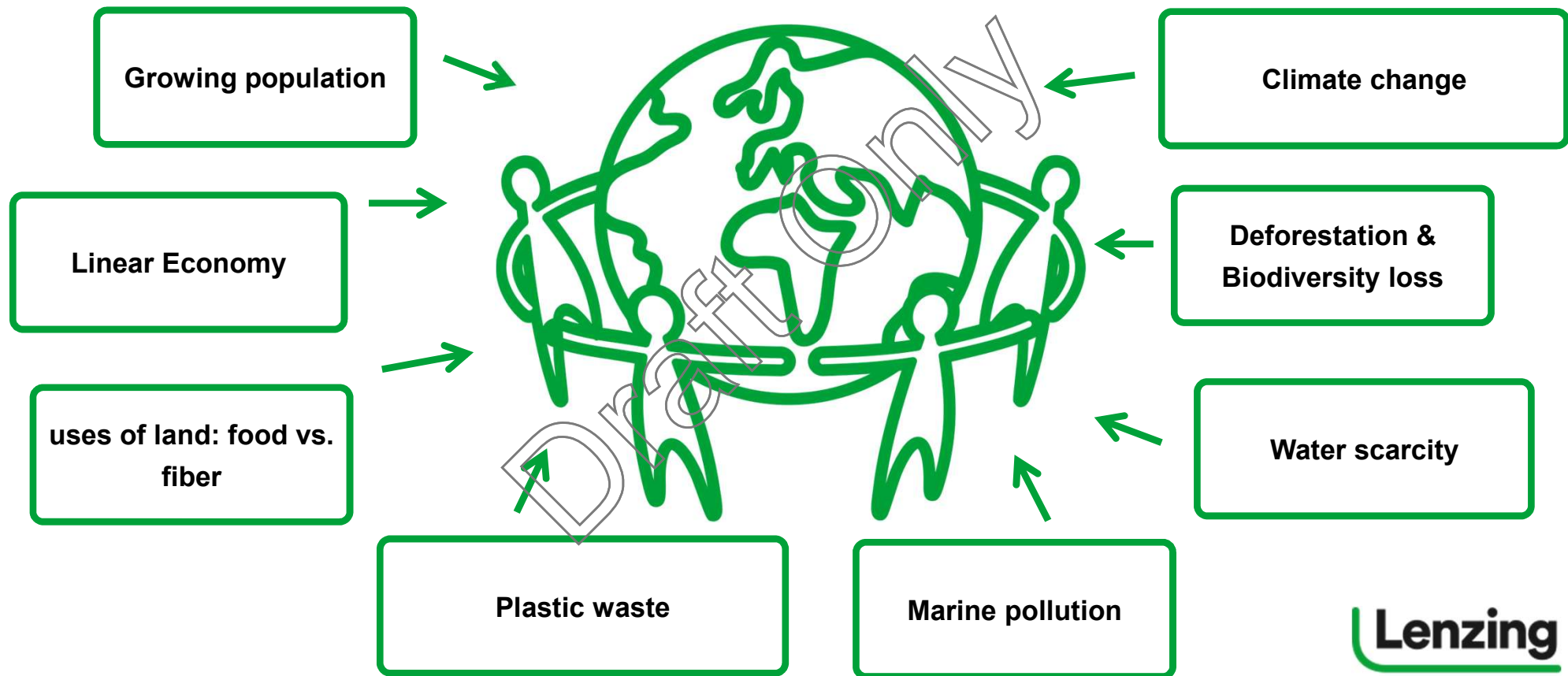




## **2. Challenges** **we are facing**



# Global sustainability challenges





# Customer sustainability target areas



### **3. What if...**

**„Naturally positive“**



# Lenzing's Sustainability Strategy



**Naturally  
positive**

Our passion is to **provide truly sustainable solutions** for a **growing world**. We **create a positive impact** for the people we work with, the consumers we serve, and the **society** and **environment** in which we operate. In doing so, **we are commercially successful**.



# 4. With...

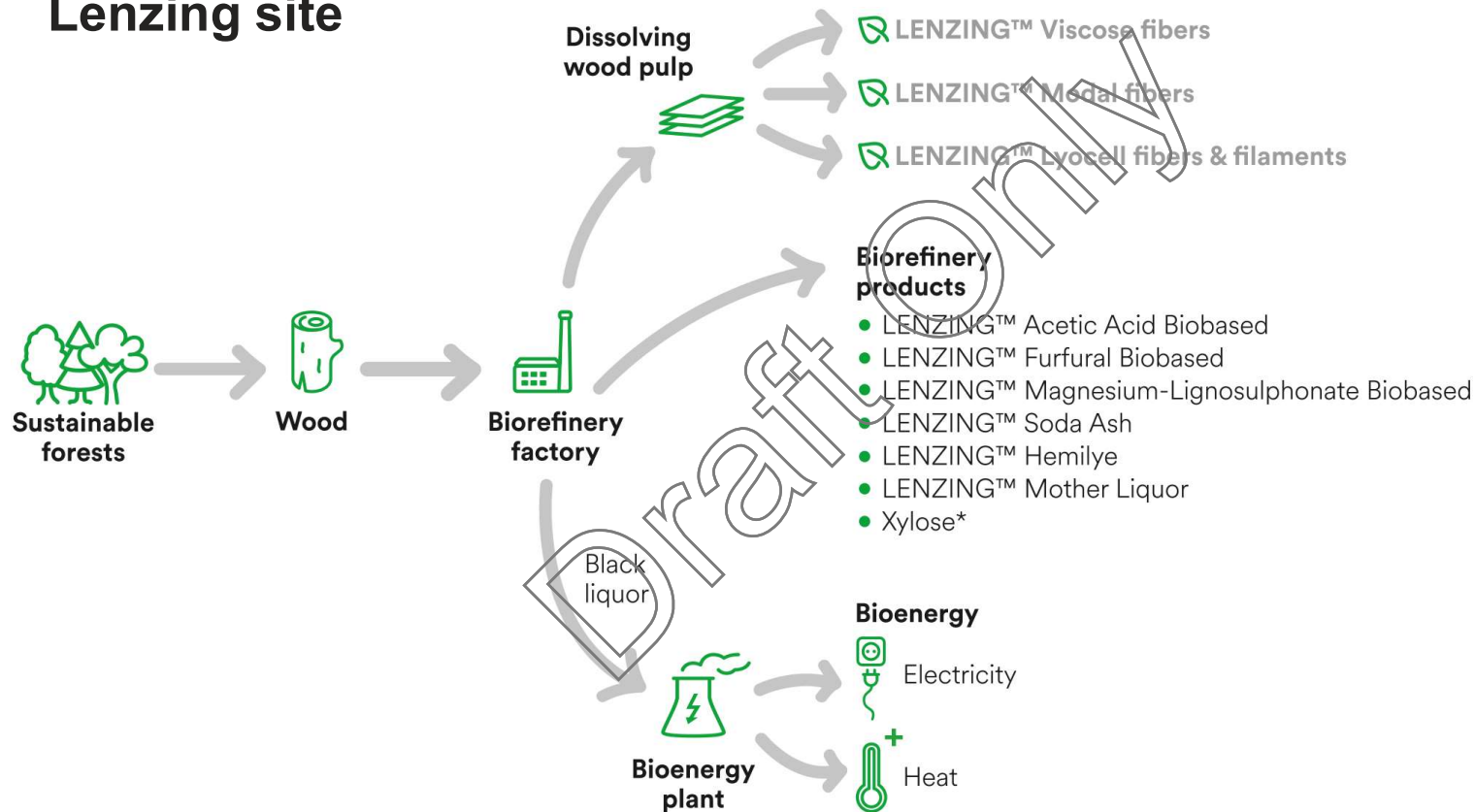
## Closing the loop

- I. Biorefinery model and Lenzing™ Lyocell
- II. REFIBRA™
- III. TENCEL™ Carbon Zero
- IV. Continuous innovation



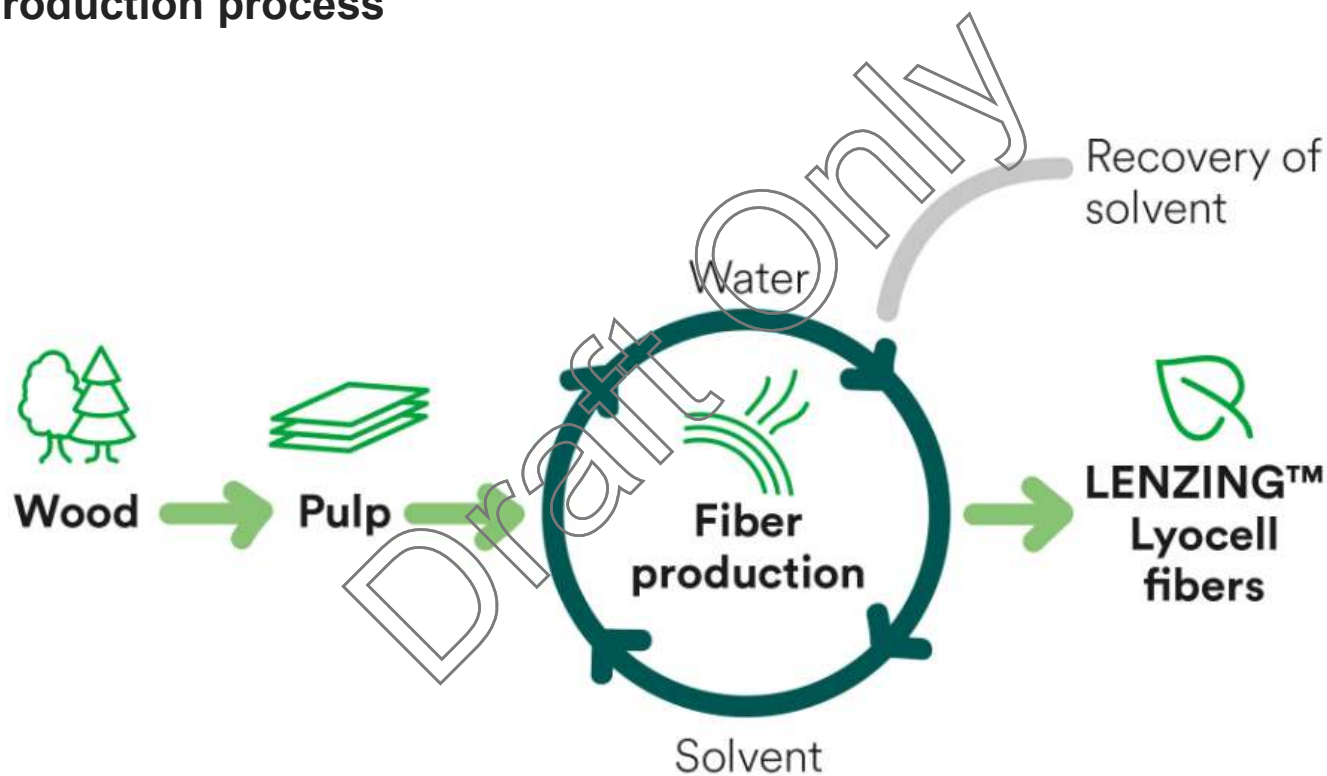
# I. Biorefinery model

## Lenzing site



# I. **TENCEL**<sup>™</sup> Lyocell

## Lyocell production process





## II. REFIBRA™ technology

 **Tencel™**  
Feels so right



 **Tencel™**  
Feels so right



 **REFIBRA™**  
technology

X



# A brand initiative for innovative special edition fibers





# TENCEL™ Limited Edition hemp

LENZING Lyocell LE hemp 1.7 dtex/38mm

Lyocell Standard fiber with proportion of **hemp pulp**, utilizing bast fibers from the outer layers of stems and branches, grown in Europe hemp.

Benefits of industrial hemp:

- one of the fastest growing plants (4-5x faster than wood)
- requires less land
- helps to improve soil quality
- faster CO<sup>2</sup> uptake than wood





# TENCEL™ Limited Edition orange

LENZING Lyocell LE orange 1.7 dtex/38mm

Cooperation with Italian start-up company **Orange Fiber**

Lyocell Standard fiber with proportion of **orange peel pulp** utilizing waste from orange juice production in Sicily



# TENCEL™ Lyocell and Modal

## *Carbon Zero*

true  
carbon  
zero



# III. TENCEL™ Carbon Zero fibres



Supporting the decarbonization of the textile industry

## reduce

Continuous reduction of carbon emissions through more efficient production methods, using renewable energy sources and embracing new technologies.

## engage

We engage and steer our industry to source materials with low carbon footprints and reduce overall carbon emissions.

## offset

We offset unavoidable carbon emissions by supporting verified global carbon reduction projects.

Committed to:



SCIENCE  
BASED  
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Certified as:



CERTIFIED  
CARBON  
NEUTRAL  
product

CarbonNeutral.com



# TENCEL™ Modal

*Indigo Color technology*

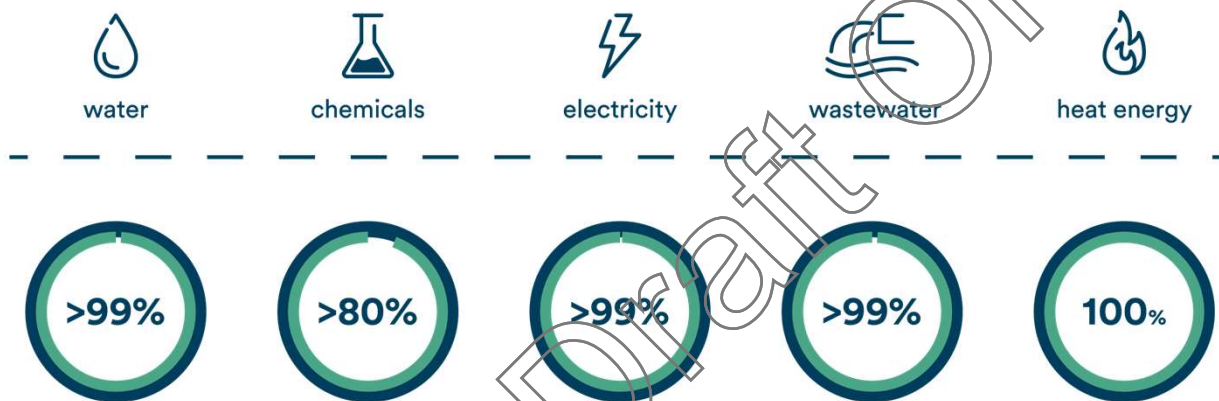


**Tencel™**  
Feels so right



# Resource Savings

savings using TENCEL™ Modal with Indigo Color technology compared to conventional powder indigo dyeing and conventional pre-reduced liquid indigo dyeing



Indigo Color  
Technology





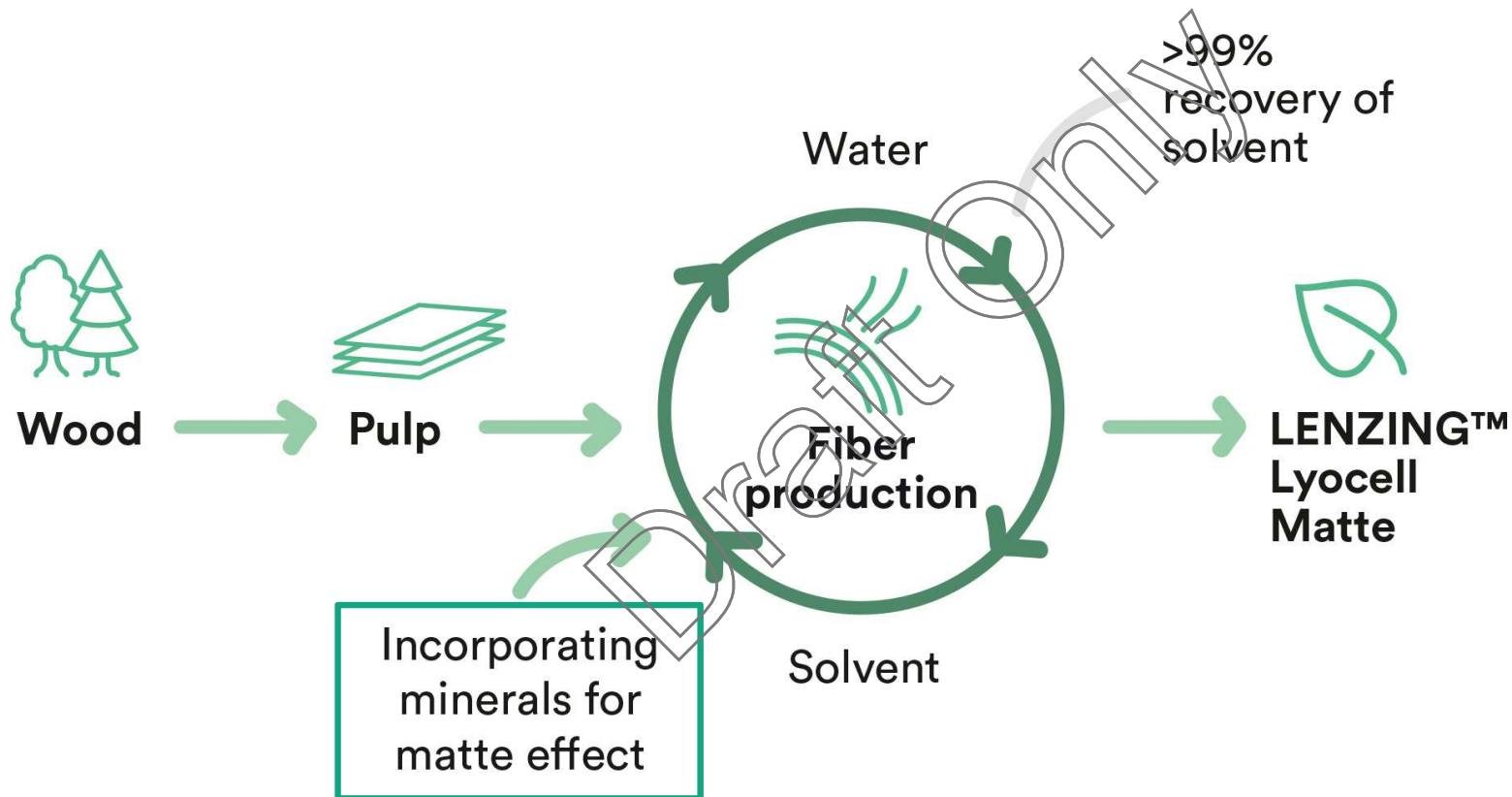
**TENCEL™ Lyocell**  
**Matte**

Draft Only





# Matte TENCEL™ Lyocell – versatility for denim

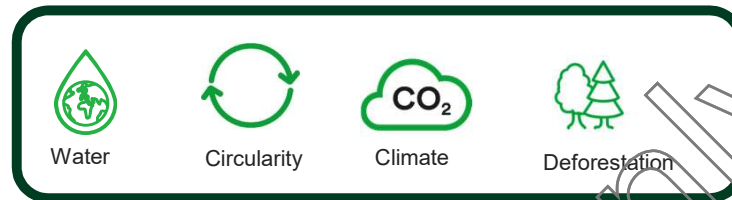


## 5. Taking action for systemic change

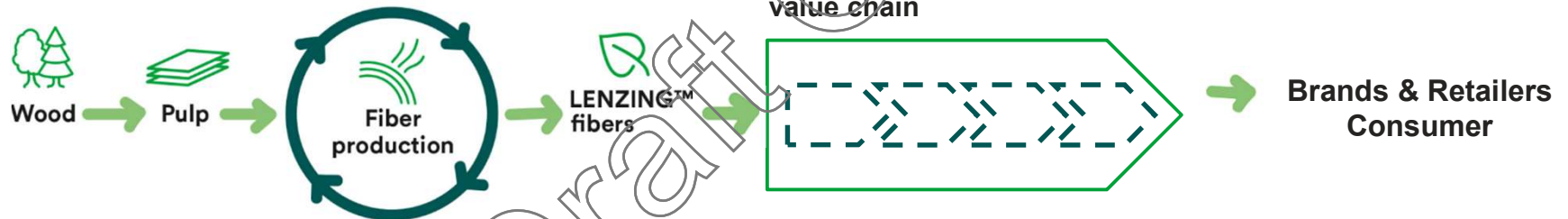


# I. Networking & partnering for systemic change

Investors / Raters



Multi-stakeholder initiatives



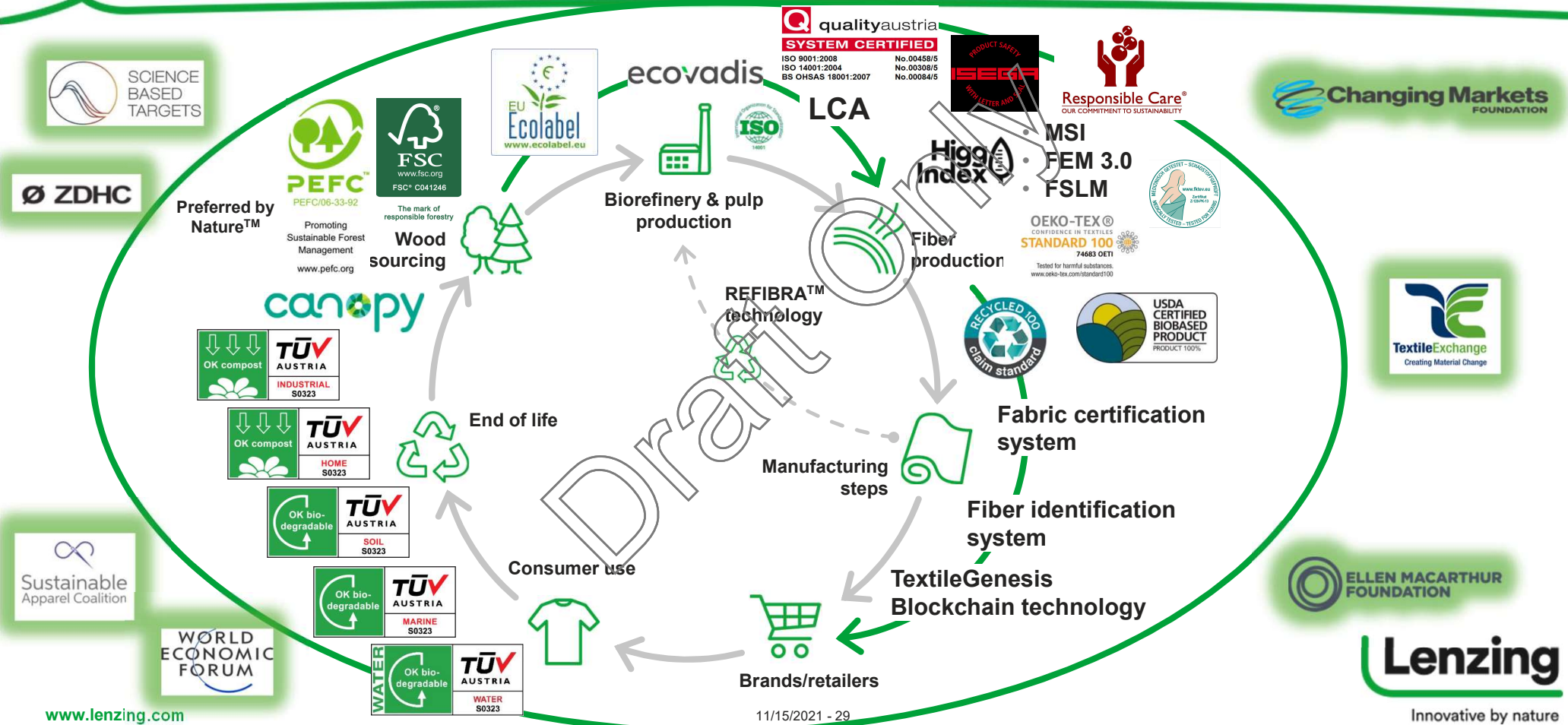
NGO's



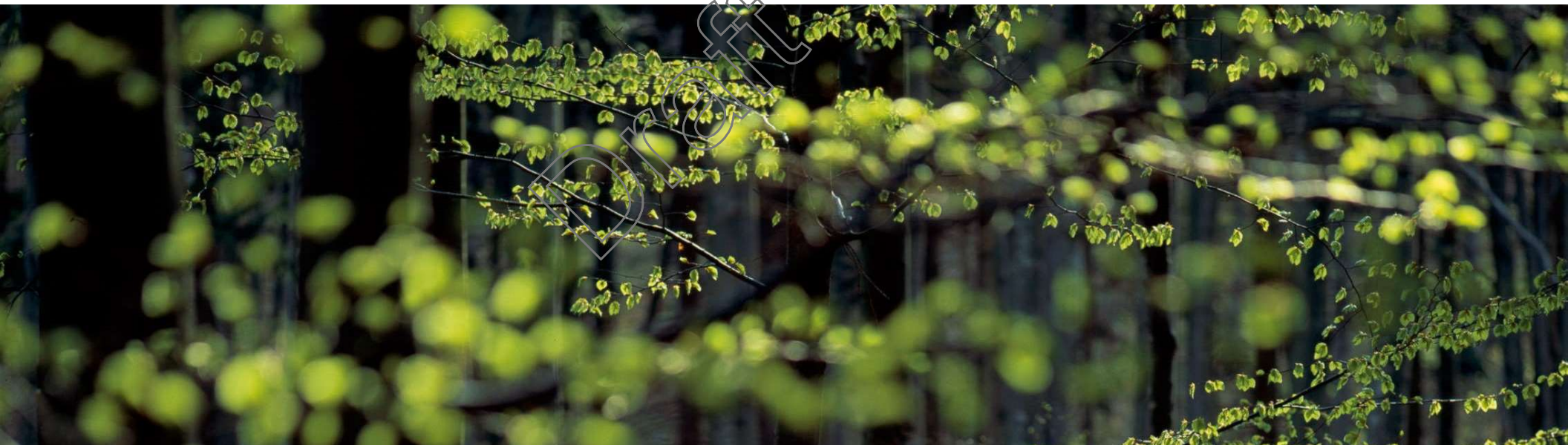
Governments



# I. Partnering for systemic change: Initiatives & Certifications



# **VI. Standing up** **Sustainability**





# Lenzing's solutions

to sustainability challenges of textile industry



**Responsible  
sourcing**



**Reduced product  
footprints and CO<sub>2</sub>  
neutrality by 2050**



**Sustainable  
Innovations and  
Circularity**



**Transparency &  
Partnerships**

## Further information

[www.lenzing.com](http://www.lenzing.com)

Corporate Sustainability

Where to source?

Where to buy?







Barcelona, Spain  
5<sup>th</sup> November, 2021