



European Furniture Industries Confederation



EFIC CONFERENCE

THE FURNITURE DAY 2022

19 MAY 2022

09:15-15:30 CET

A hybrid event to create a cross value chain discussion about the furniture industry, its future competitiveness and positive societal impact, with a focus on sustainability and digitalisation.

THE FURNITURE DAY 2022

19 May 2022

#EFICFurnitureDay2022

EVENT SPONSORED BY



***Morning session: Key trends affecting the European furniture sector,
with a focus on the coronavirus pandemic, sustainability and digitalisation***

10:00 – 10:05

1. Welcome



Mariam Zaidi

Moderator

***Morning session: Key trends affecting the European furniture sector,
with a focus on the coronavirus pandemic, sustainability and digitalisation***

10:05 – 10:15

2. Opening remarks



Edi Snaidero

EFIC President

***Morning session: Key trends affecting the European furniture sector,
with a focus on the coronavirus pandemic, sustainability and digitalisation***

10:15 – 10:45

3. Keynote speech: Current and future megatrends in the furniture industry: A focus on the coronavirus pandemic, sustainability and digitalisation



**Prof. Dr. Sascha
Peters**

Haute Innovation

Megatrends in the furniture industry

A focus on the pandemic, sustainability and digitalisation

Hon. Prof. Dr. Sascha Peters
HAUTE INNOVATION – Zukunftsagentur für Material und Technologie, Berlin





STOP
Klimakrise
STOP
GroKo

IR HABEN
WE WANT

Greta
We love You

LIKELY

FOR THE
GOOD

For hours

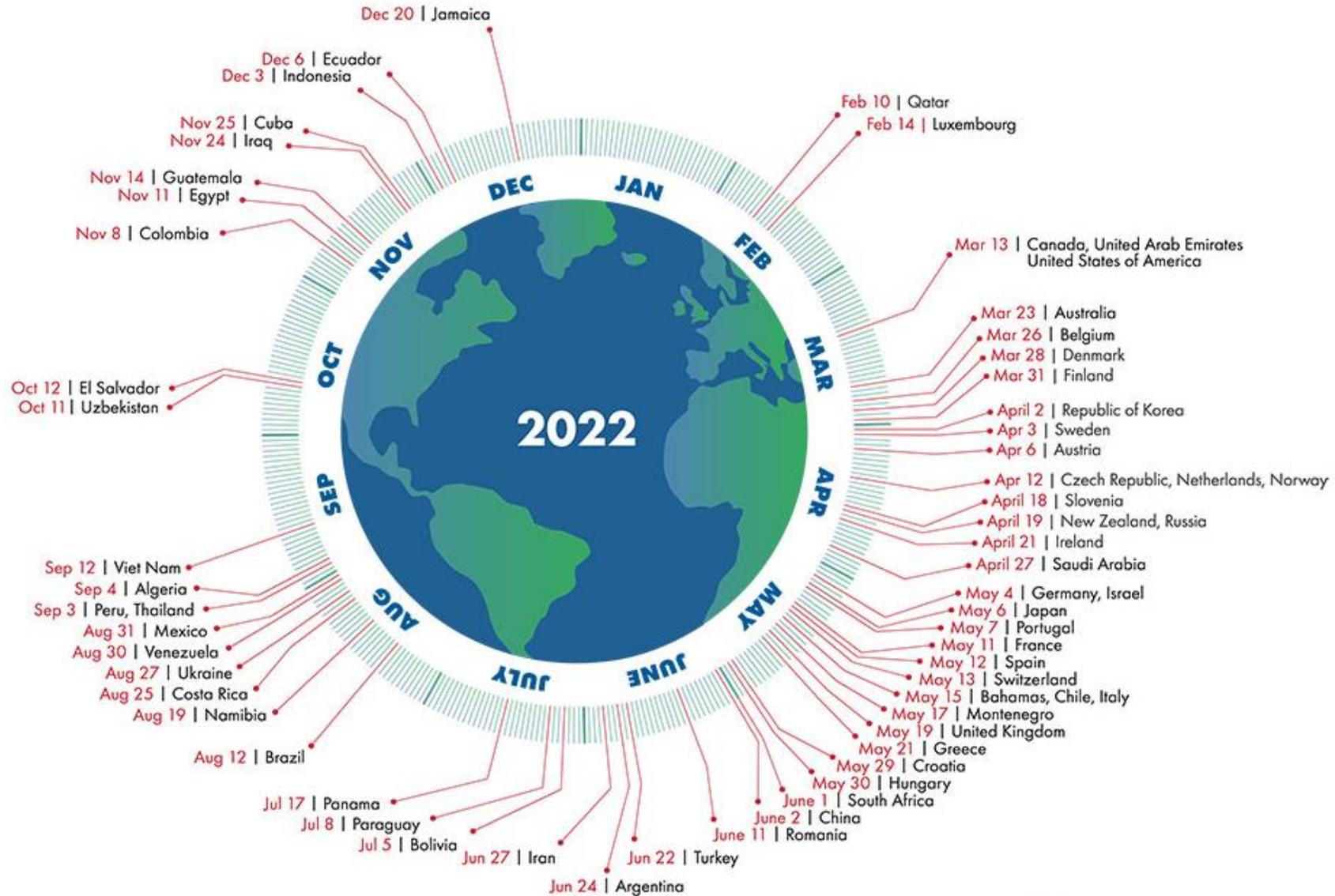
Overstepping Ourselves

Global Footprint Network



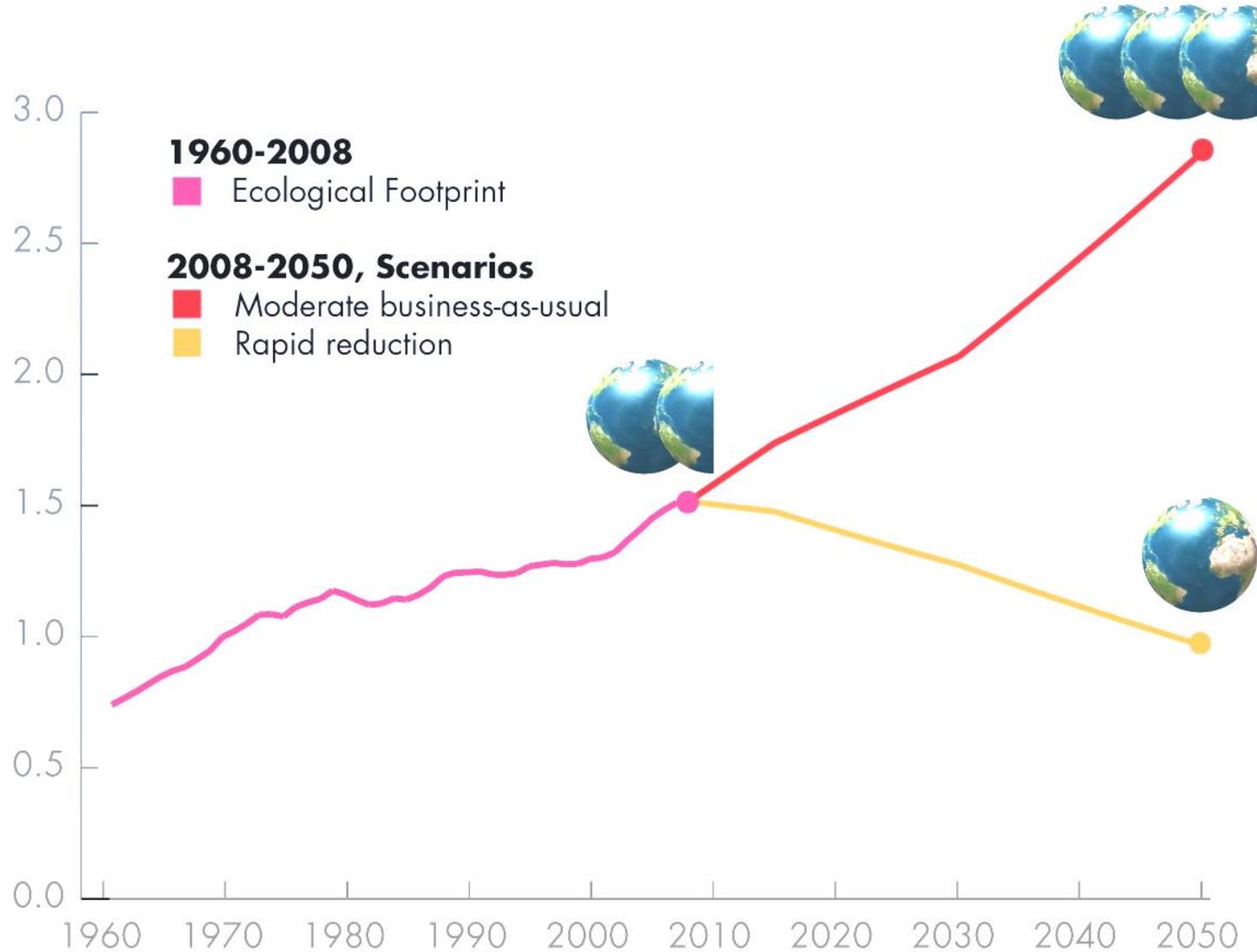
Ecological Footprint

Earth Overshoot Day: 29th of July 2021 ... since then, we live on credit!



Ecological Footprint

Earth Overshoot Day: 29th of July 2021 ... since then, we live on credit!





DHC Channel
DHC
DHC

DMM
Bitcoin

大盛堂書店

THE HEADLINE NEWS SHIBUYA

STARBUCK COFFEE

TSUTAYA

SHIBUYA

Immense drop of CO₂ emissions in 2020

there are ways to reduce emissions even in the short term

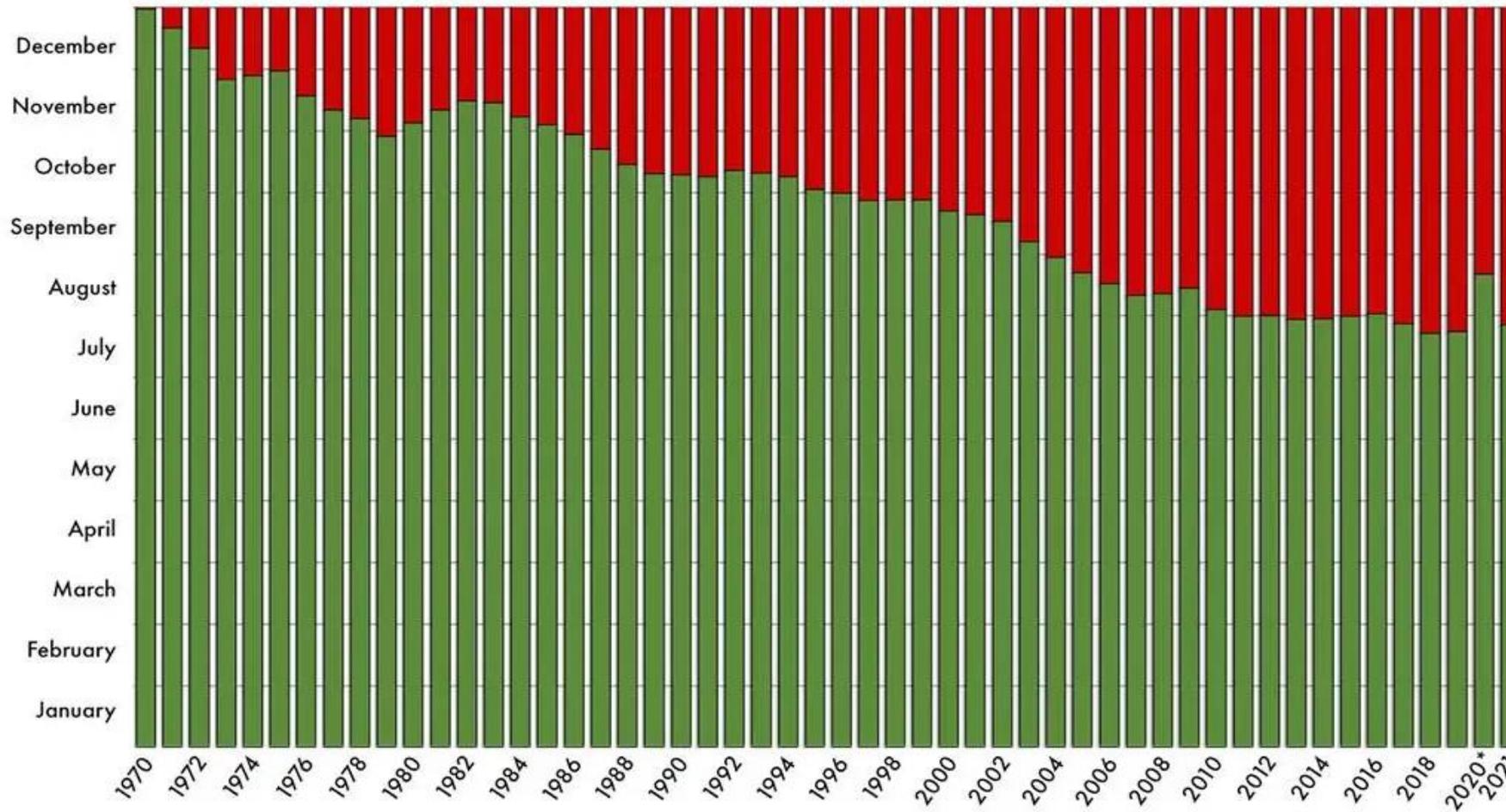


1 Earth

Earth Overshoot Day 1970 - 2021



1.7 Earths



CO₂-Budget

megatons until we reach +2 °C

1.079.389,866



Quickly reduce dependence on fossil fuels from Russia

45% renewable energy in the EU by 2030



Quickly reduce dependence on fossil fuels from Russia

1,236 gigawatts renewable energy in 2030

By 2030, 45 percent of the energy in the EU should come from renewable sources, instead of the previously planned 40 percent.

That would increase clean energy capacity to **1,236 gigawatts renewable energy**, compared to 511 gigawatts today - more than what was initially foreseen in the EU climate package.

According to the draft, the number of **solar power systems** should more than double by 2028, to 300 gigawatts.

The Commission also relies on **climate-friendly hydrogen**, which is produced from green electricity.

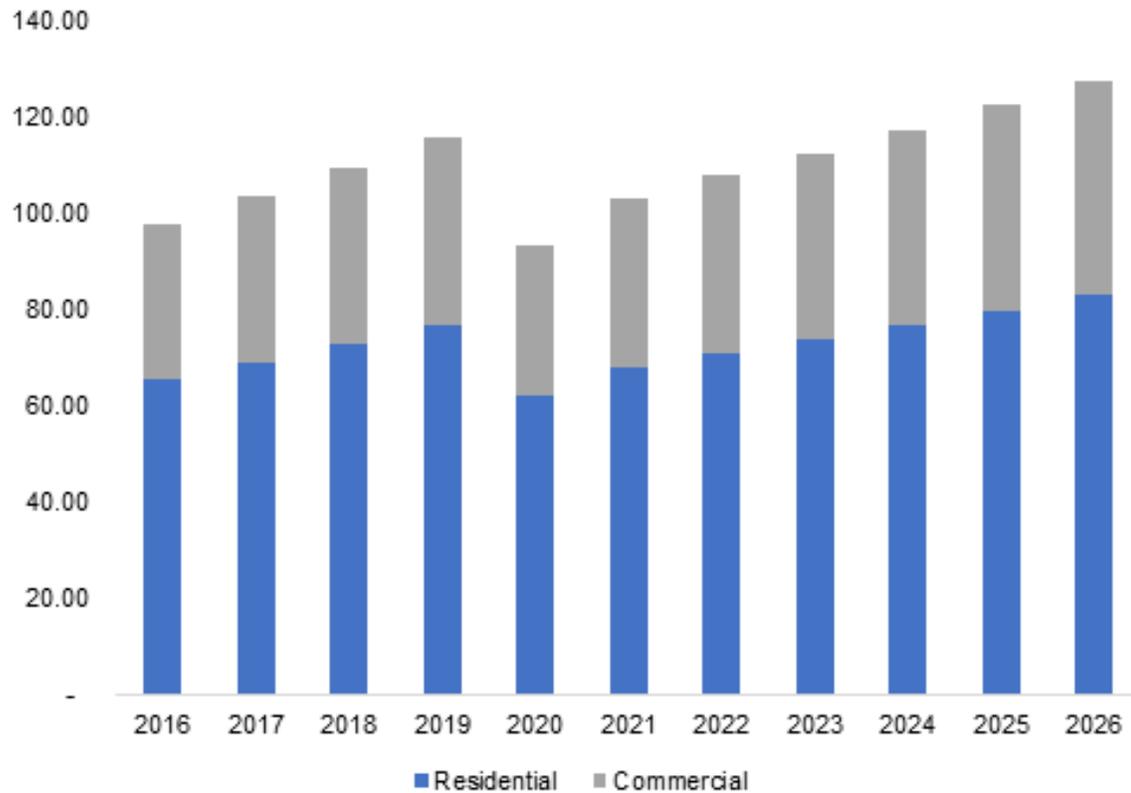
At the same time, it is proposed to **reduce energy consumption** by at least 13 % by the end of the decade, instead of the 9% previously envisaged.



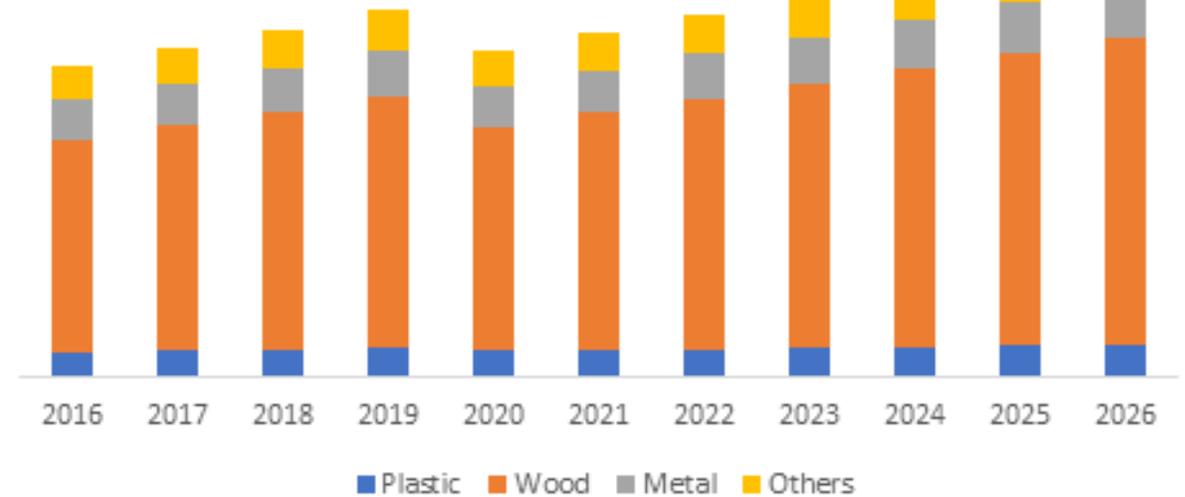
European Furniture Market 2016-2026

pandemic-related market decline in 2020 (Graphical Research, USA)

Europe Wooden Furniture Market Size, By Application, 2016 – 2026 (USD Billion)

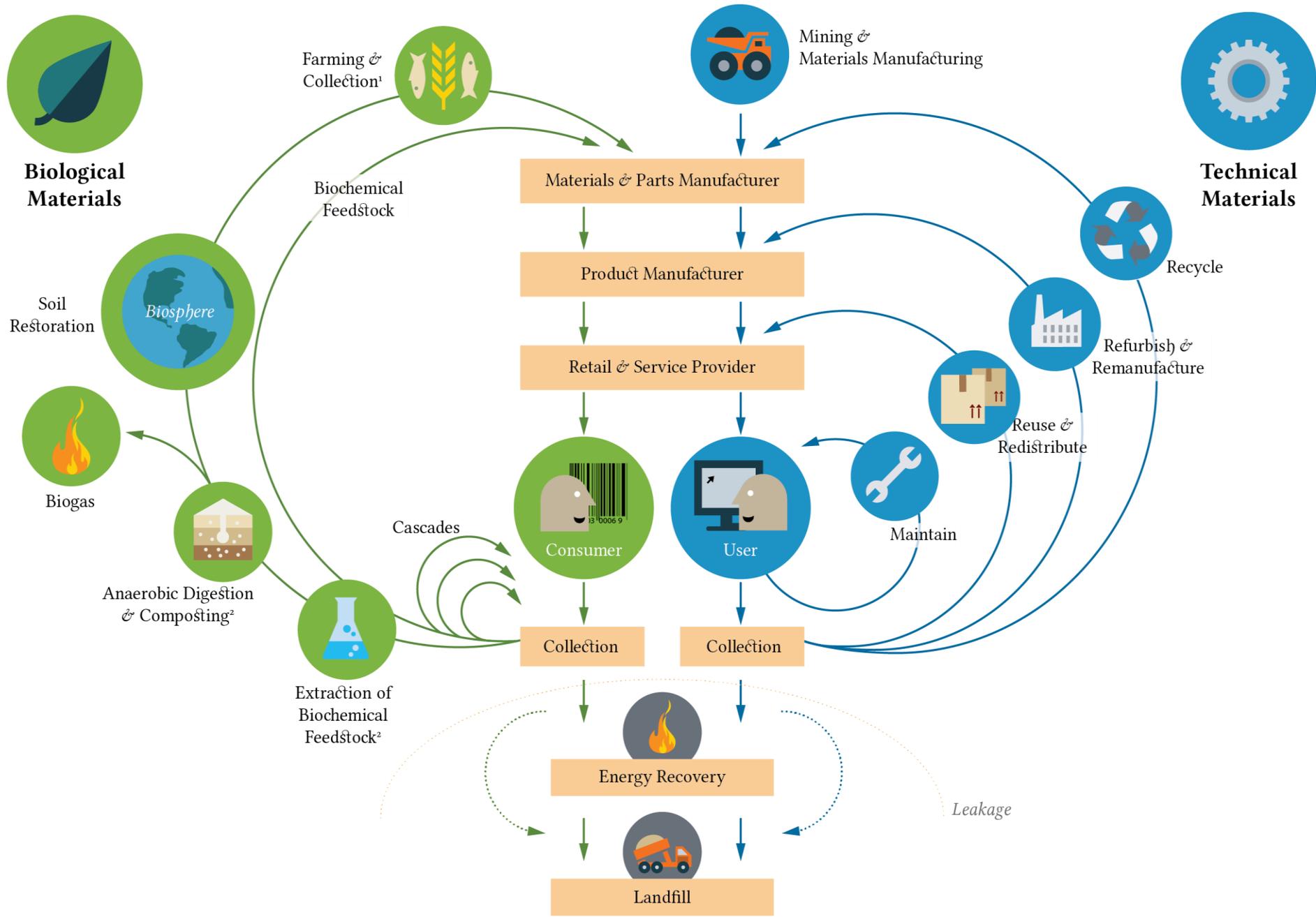


Europe Furniture Market Size, By Material, 2016 – 2026 (USD Million)



Digitization is/was a key value-added factor in the pandemic
online furniture sales will have doubled from 2020 to 2025 (formbar, Germany)





Circular Business Model: Second Hand Furniture

NochMall – selling discarded furniture (Berliner Stadtreinigung, Germany)



NOCHMALL

ALLES AUSSER NEU



Circular Business Model: Second Hand Furniture

NochMall – selling discarded furniture (Berliner Stadtreinigung, Germany)



Circular Business Model: Rental Furniture

marketplace for rentals, rent-to-own or buy furniture new/secondhand (Beleco, Sweden)



SHARING FURNITURE

JOIN THE COMMUNITY

BELECO

Circular Business Model: Furniture Leasing

sustainable furniture rental (Lyght Living, Offenbach)

Lyght Living
furniture leasing

★ Trustpilot

How it works

Our Furniture

About Us

Contact

Quick and Easy Furniture Rental!

Furnish your property with our sustainable rental furniture!
Get a non-binding quote directly on our website now.
Our all-in service package guarantees professional and flexible delivery, as well as setup within 48 hours from time of order.

How long would you like to rent for?

Delivery location:



1 mo. 2 mo. 3 mo. 4 mo. 6 mo. 12 mo. 24 mo. 36 mo. 48 mo.

Choose furniture



8 Marken

< Bloomingville >



We bring 10 years of quality furniture rental expertise and would love the opportunity to earn your business!

Circular Business Model: Refurbish Office Furniture

low carbon office furniture (rype office, London)



Circular Business Model: Furniture from recycled materials

Print your City – furniture from urban plastic waste (The New Raw, NL/Greece)





3D PRINTER



tuel

www.tuel.com
tuel BUS
tuel BUS

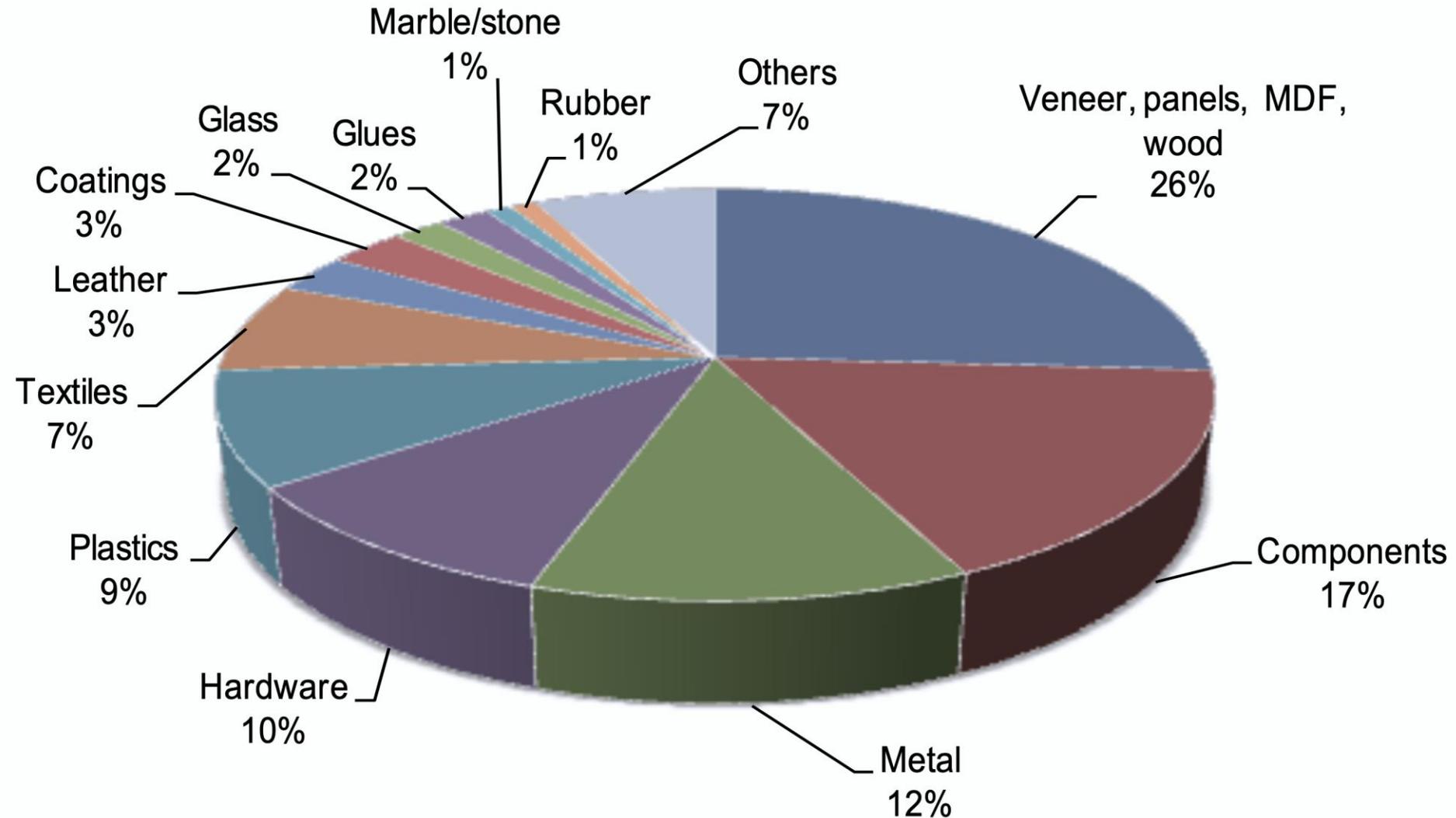
Circular Business Model: Furniture from recycled materials

Print your City – furniture from urban plastic waste (The New Raw, NL/Greece)



EU 28 material mixture

share of materials used in furniture production (European Commission, 2014)



Dismantling possibilities receive higher value

connection systems become the decisive selling point (IKEA, USM)



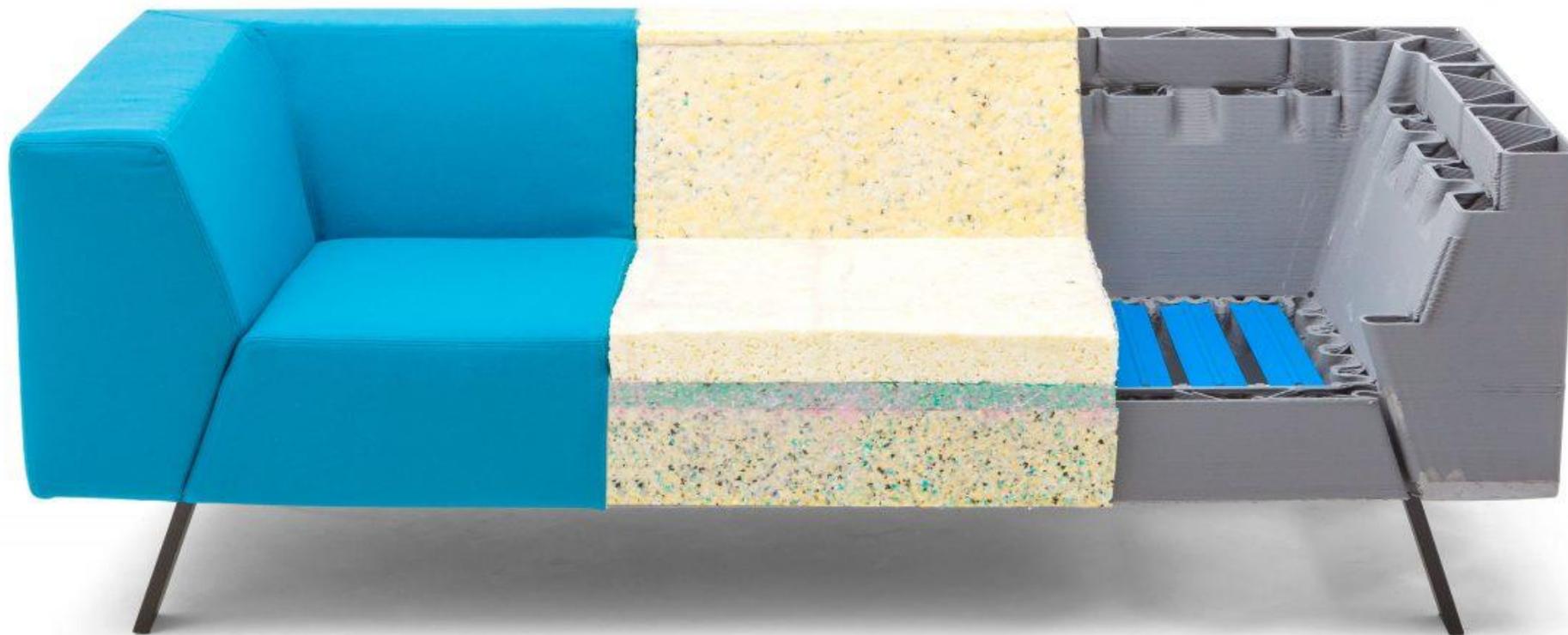
Costume

modular sofa system for circular economy (Stefan Diez for Magis/Italy)



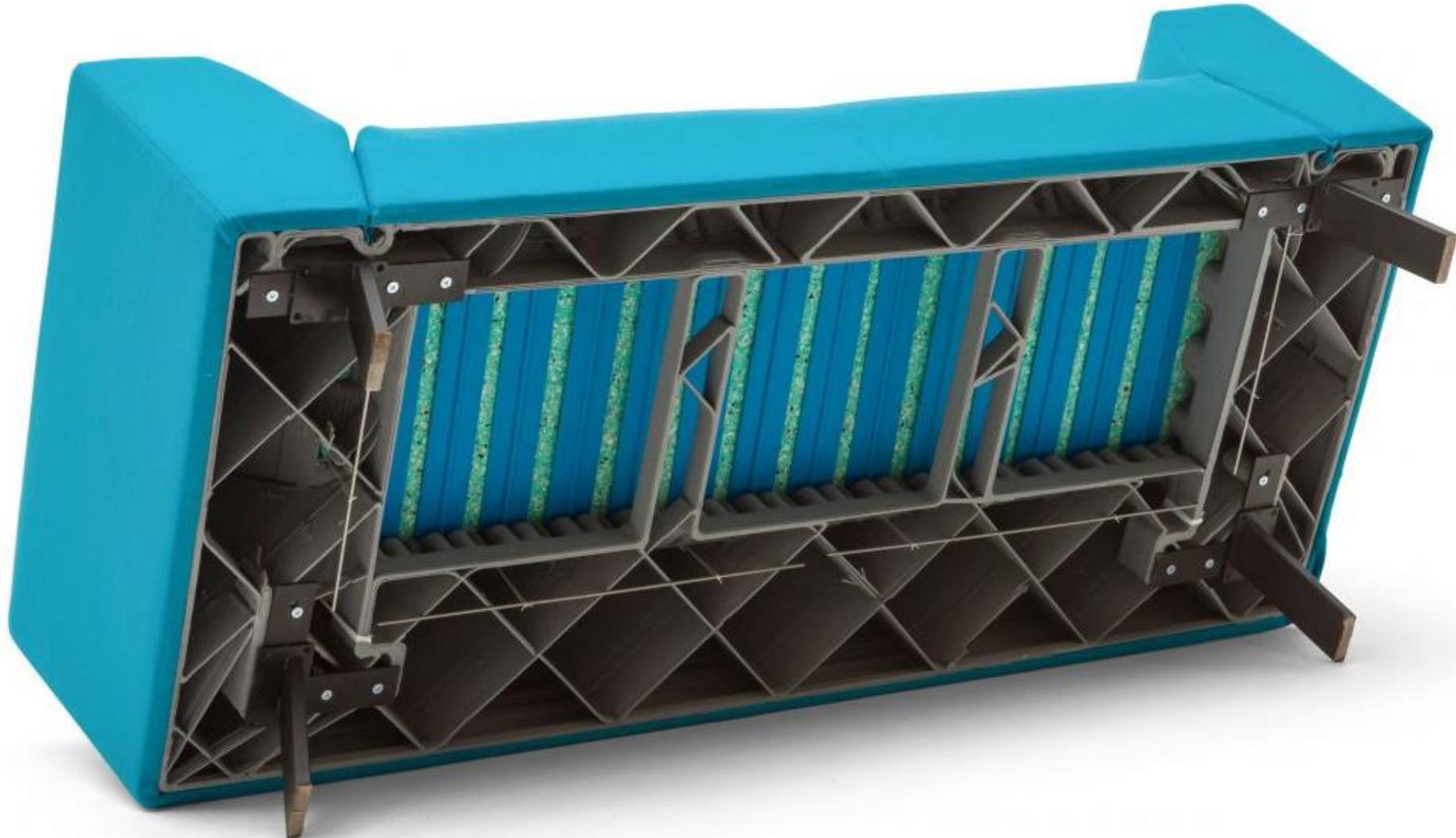
De Sett CE

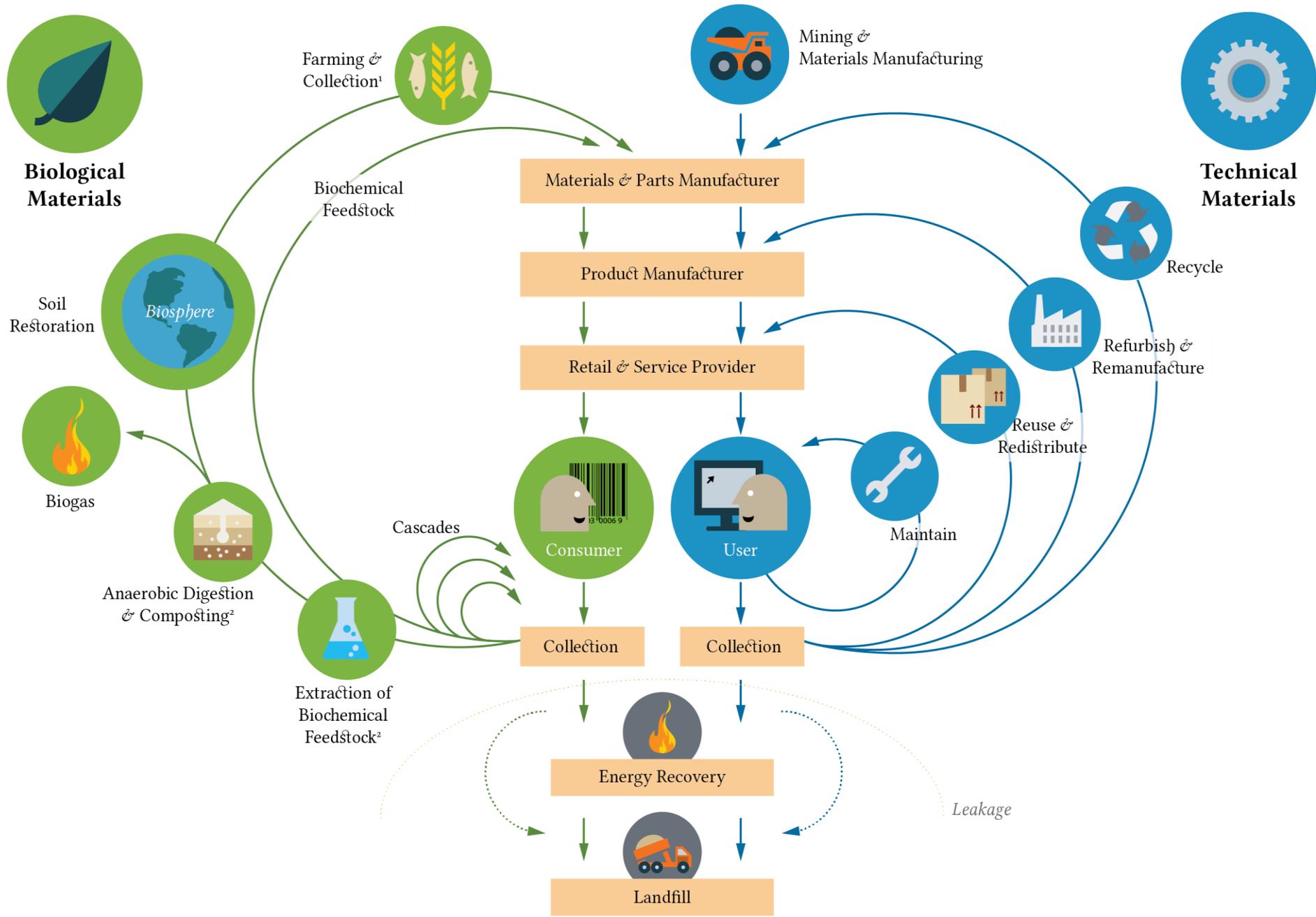
3D printed sofa body – 95 % recycled materials (Peter van de Water, Gispen, NL)



De Sett CE

can be re-used up to ten times without having to add new material (Gispen, NL)







Lignoloc Wood Nails

world first collated nail made of wood (BECK Fastener Group, Austria)





Circular fiber-boards without glue or resin

post-consumer cellulose fibers, biodegradable, zero waste (Honext, Barcelona)



Nature-inspired enzymatic treatment

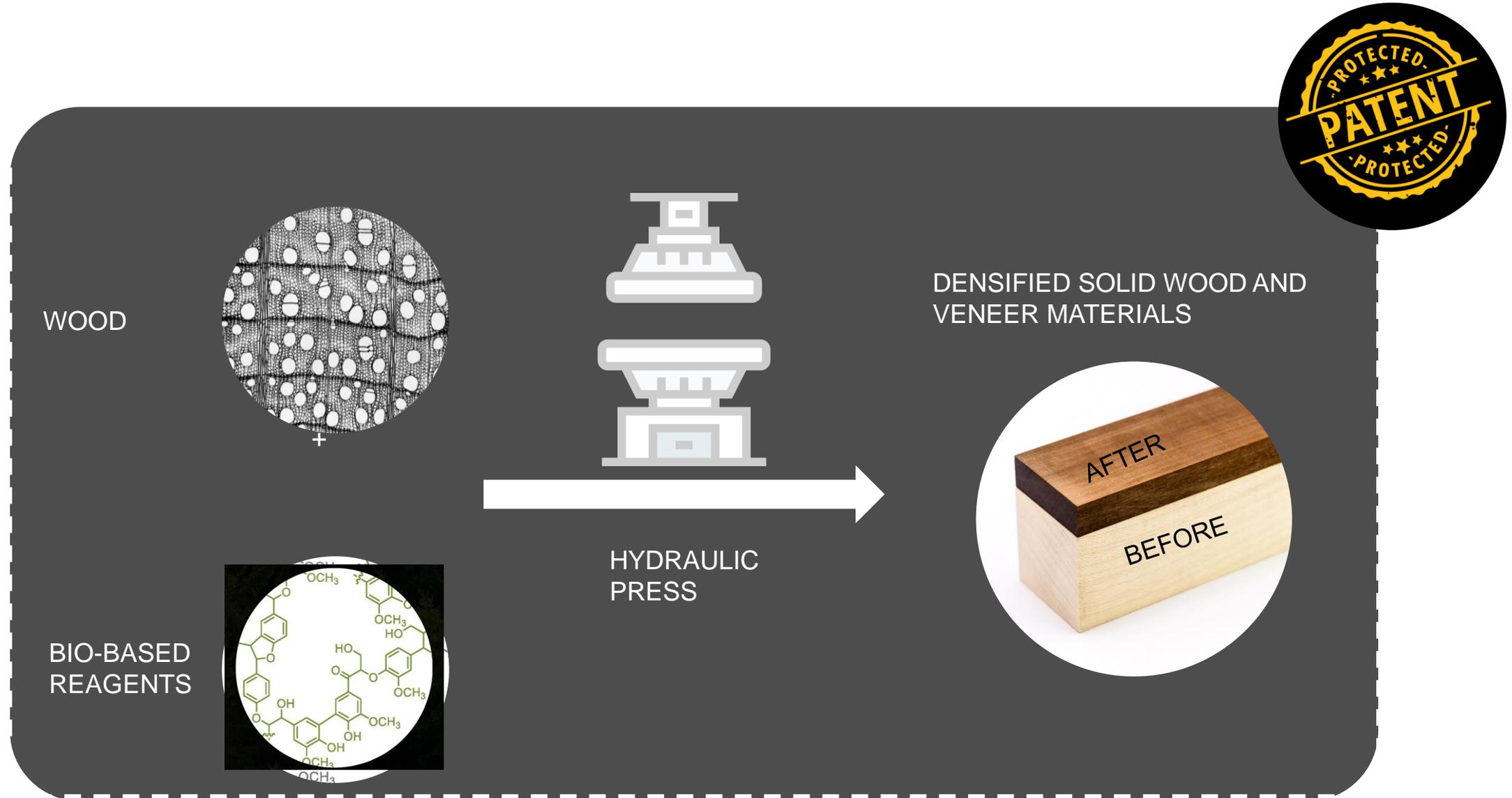
generate stronger bindings between cellulose fibres (Honext, Barcelona)





High-tech digital wood

densify European wood in tropical quality (Swiss Wood Solutions, Zurich)



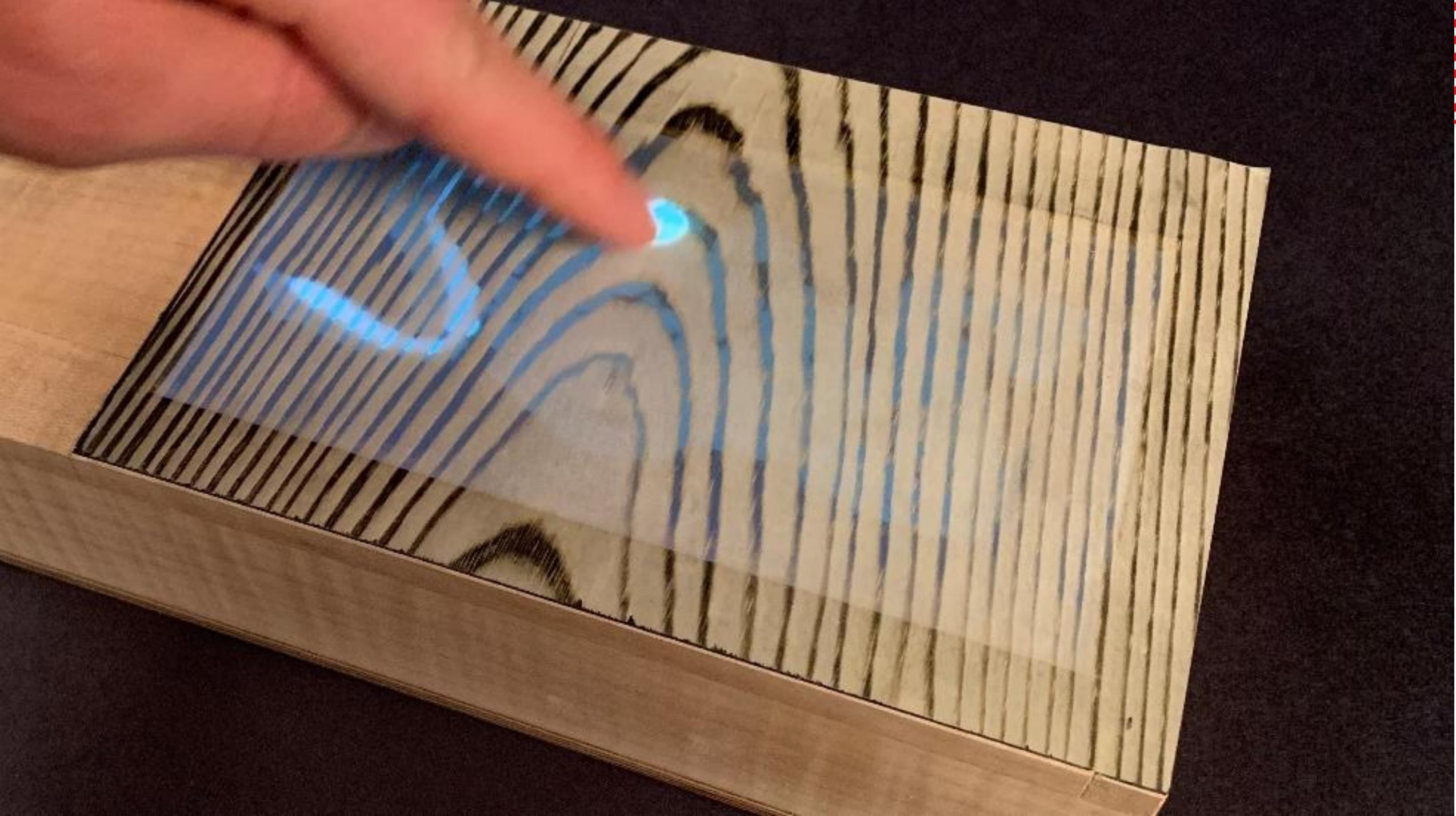
 BANK



2718 2818 2845 9045

12/22

Leonhard Euler



New secondary resources for boards

straw, fish-scales, seaweed, sunflower fibers, artichoke thistles, coconut fibers



Fish scales as a raw material for architectural boards

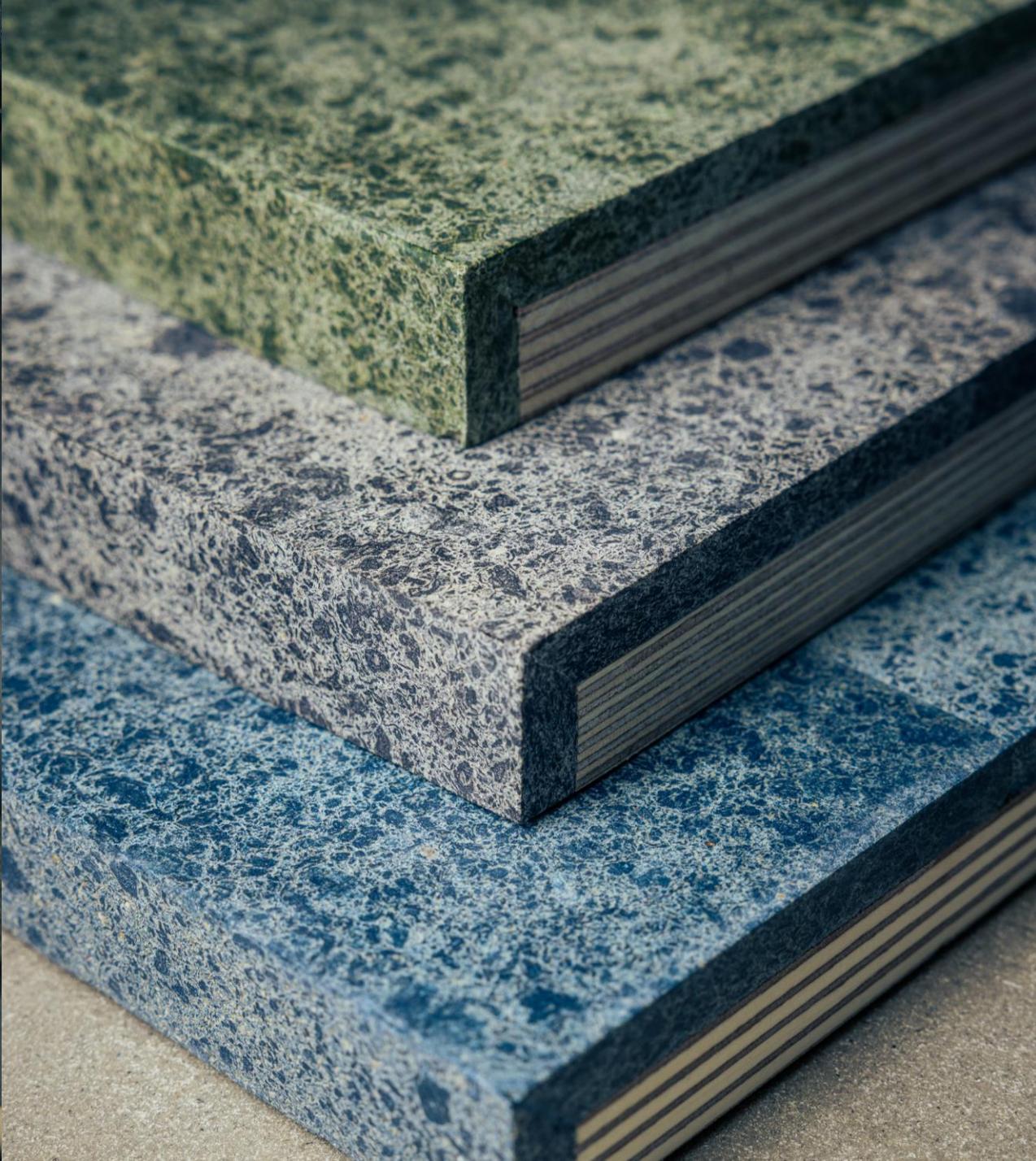
thermoplastic biopolymer in the structure of the scales (Erik de Laurens, London)



Scalite Interior Boards

100% made from fish scales, fire proof, biodegradable (Scale, France)





Leather alternatives for upholstery

corc powder, orange peels, wine trester, cactus protein, hemp residues



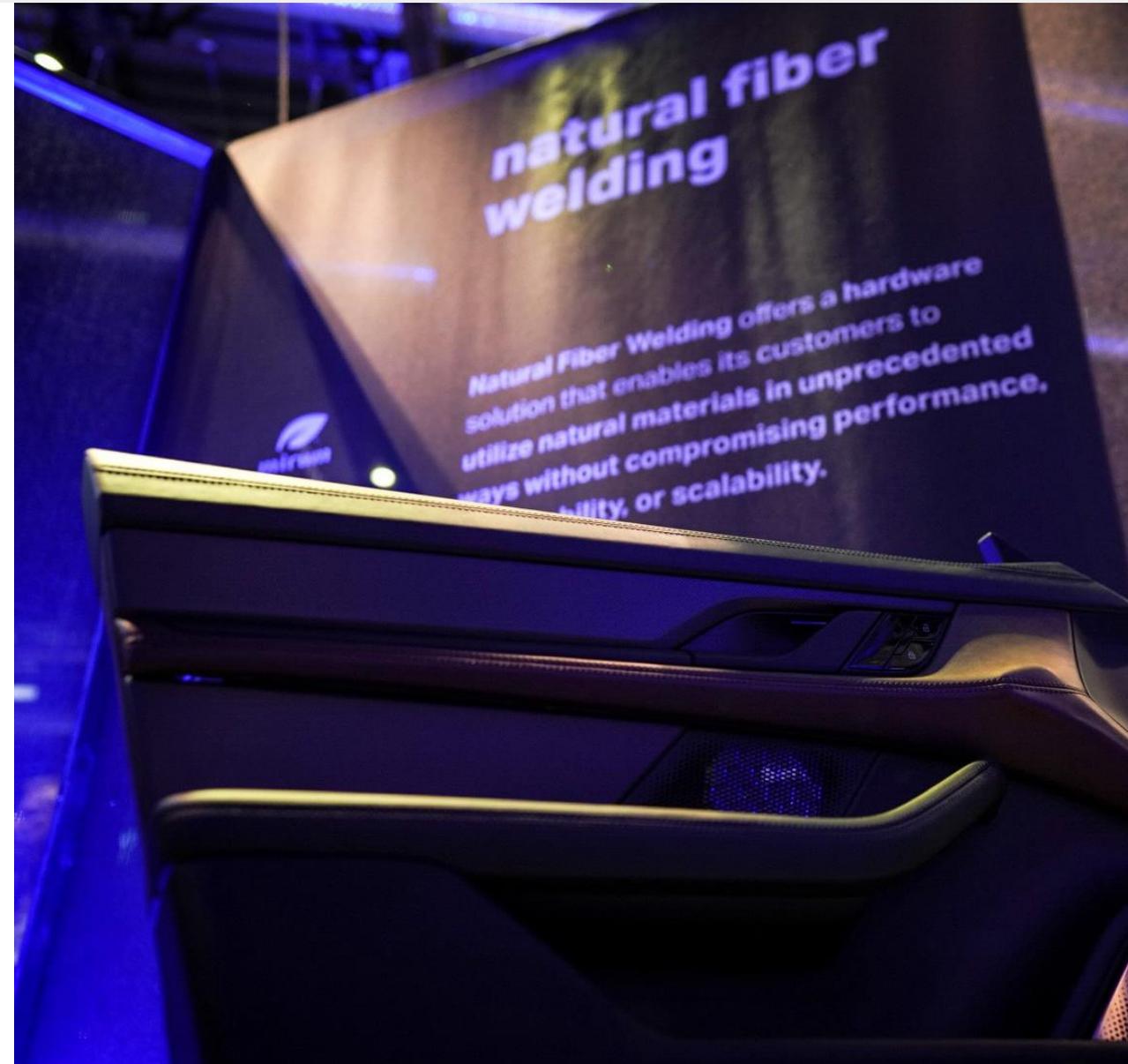
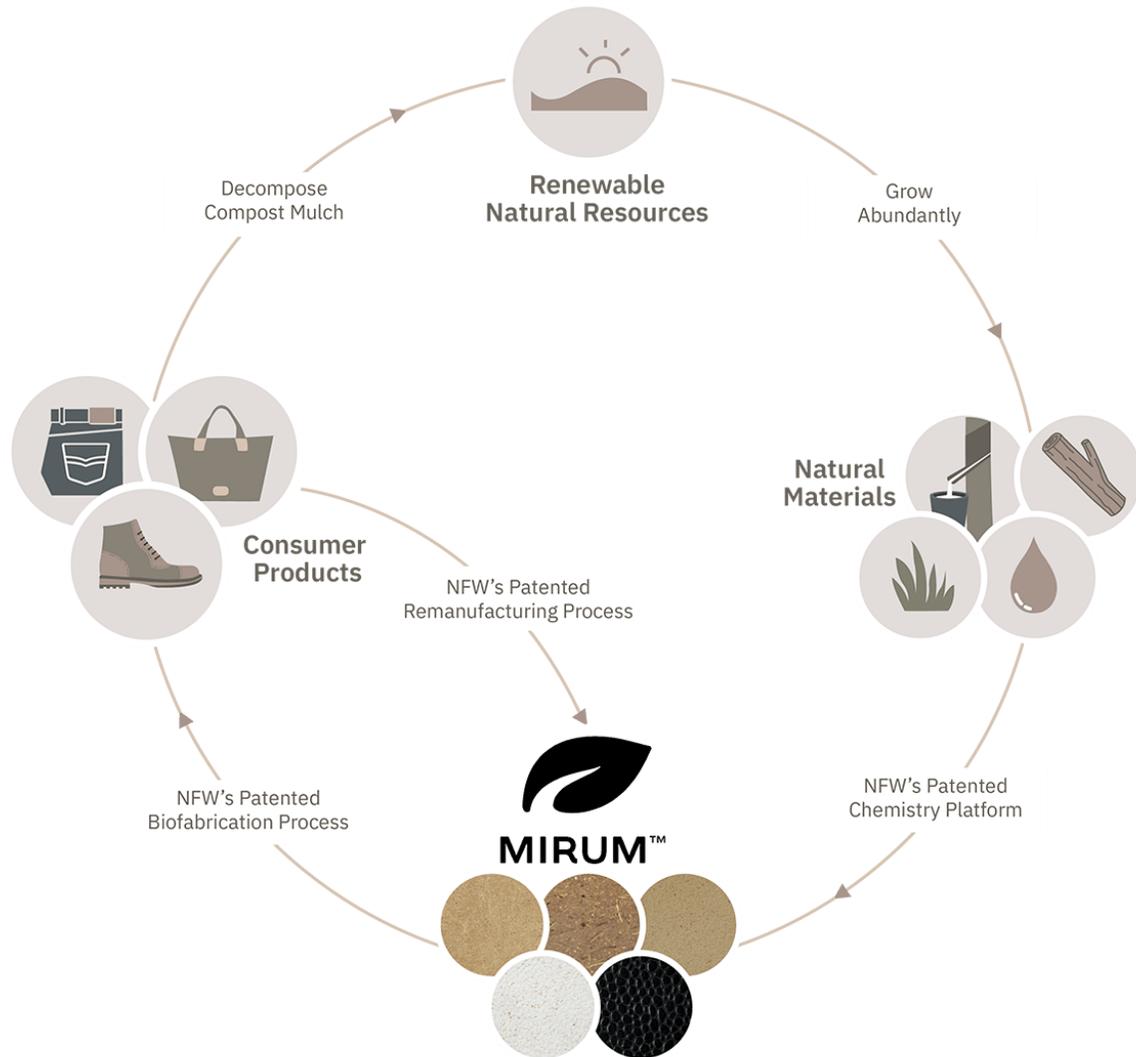
MIRUM leather-like material

100% free of plastic, recycable, biodegradable (Natural Fiber Welding, USA)



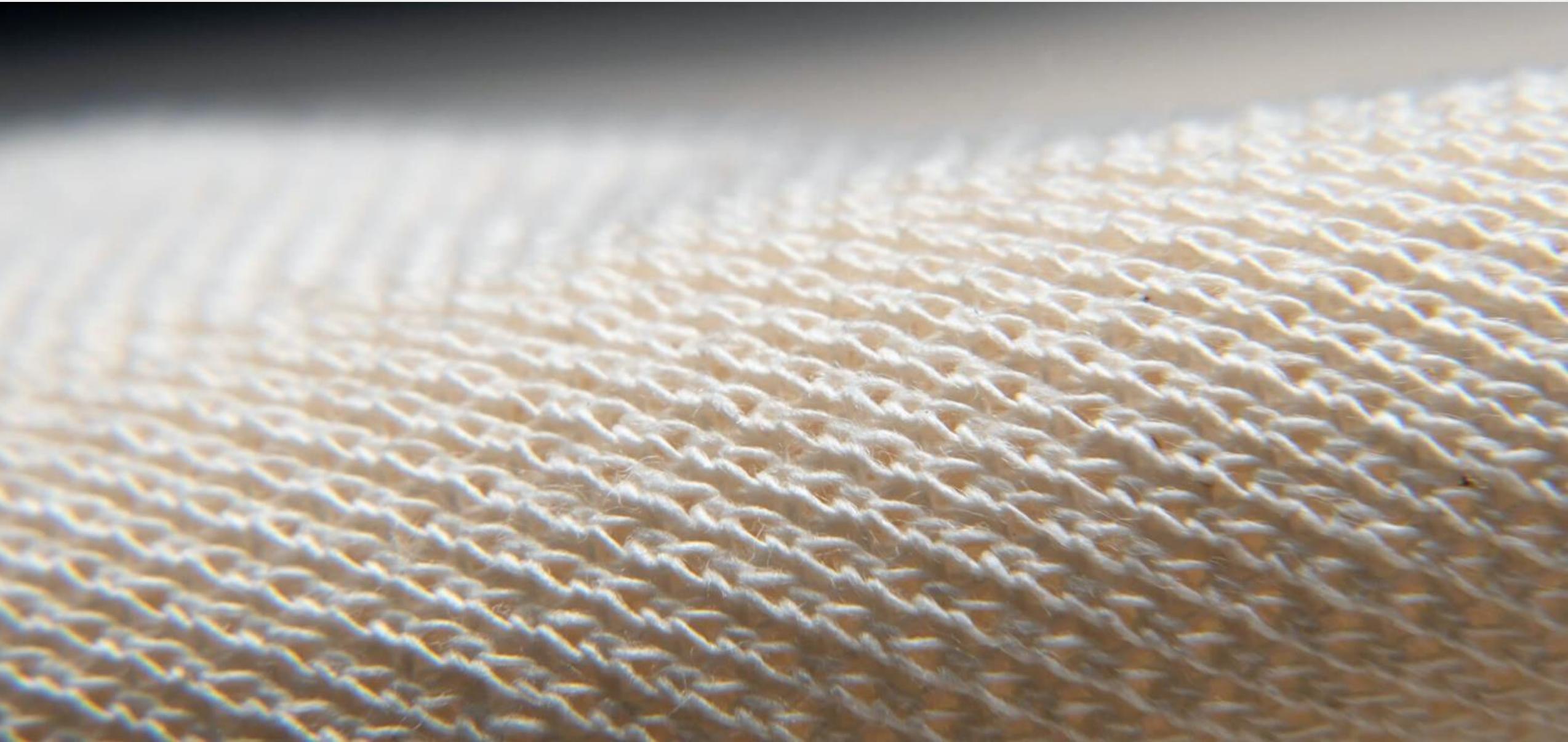
MIRUM leather-like material

byproducts such as cork powder & coconut fibers (Natural Fiber Welding, USA)



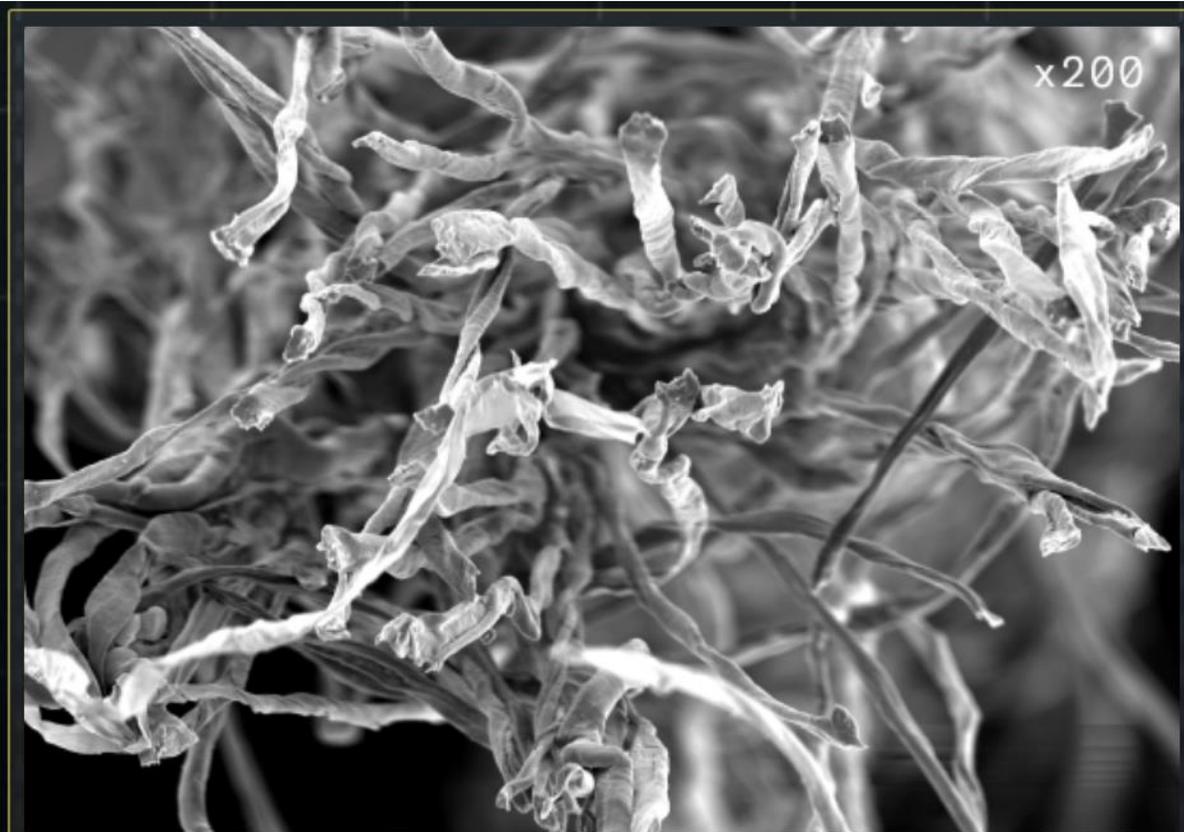
CLARUS fabrics

alternative to polyester based on fiber welded cotton (Natural Fiber Welding, USA)



CLARUS fabrics

provide synthetic-equivalent performance properties (Natural Fiber Welding, USA)



Microscopic cross-sectional view of cotton yarn before CLARUS® fiber welding: The structure of traditional spun (cotton) staple fiber yarns equates to poor moisture management and slow drying.

before



Microscopic cross-sectional view of cotton yarn after a particular type of CLARUS® fiber welding: CLARUS-engineered structural changes improve moisture management and drying time.

after

Soft foam made from leather scraps

suitable for sound absorber or upholstery (eco-softfiber, Germany)



Mushroom Materials

strength is due to the growth of the mycelium (KIT, Germany)



Mushroom Boards

high-strength and weather-resistant (KIT, Germany; Singapore Future City Lab)



Mushroom Acoustics 2.0

made from natural fibers, mycelium skin, fireproof paint (Mogu, Italy)

WHAT IS IT MADE OF?

Mogu was founded on the belief that it is possible to employ Nature's intelligence to radically disrupt the design of everyday products, seeking a finer balance between the man-made and the rhythms of the natural ecosystem.

Natural fibers (cotton , hemp)

Mycelium Skin

Fire-proof paint + colored paint







EPHEA Mycelium Leather

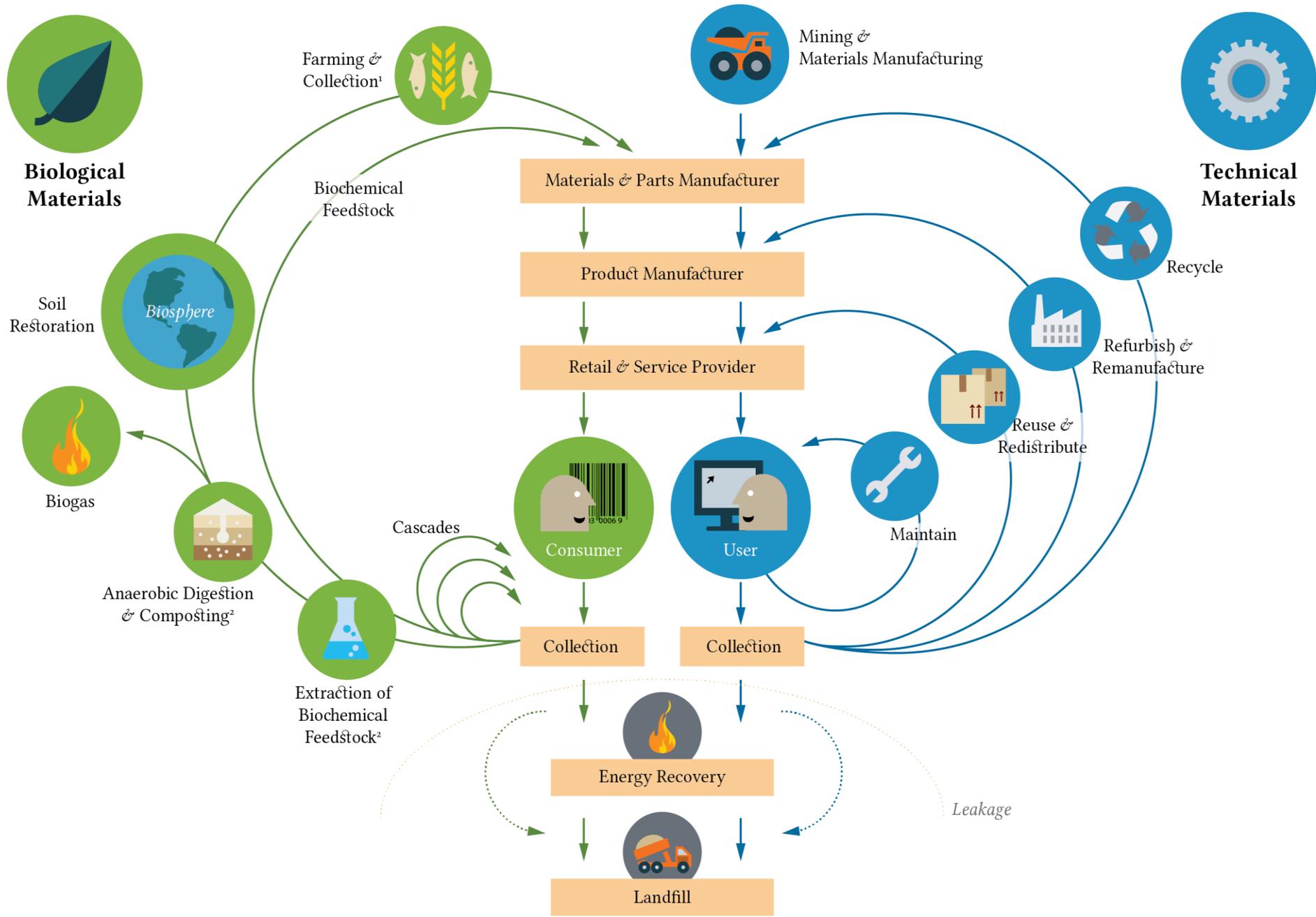
market launch on March 6, 2022 at Paris Fashion Week (Sqim, Italy)



AirMycelium Foam

guiding the geometrical growth of mycelia (Ecovative Design, New York)





Future success in the furniture industry will be about setting up **circular business models**, making use of **digital design & manufacturing tools** and finding ways of using **sustainable materials!**

Thanks for your attention!

Hon. Prof. Dr. Sascha Peters
HAUTE INNOVATION – Zukunftsagentur für Material und Technologie, Berlin

www.haute-innovation.com

***Morning session: Key trends affecting the European furniture sector,
with a focus on the coronavirus pandemic, sustainability and digitalisation***

10:45 – 11:05

4. EU industrial policies, EU response to pandemic and Ukrainian crisis - opportunities and challenges for forest-based industries



Maila Puolamaa

European Commission,
DG GROW I.1 - Energy
Intensive Industry &
Raw Materials



EFIC Conference

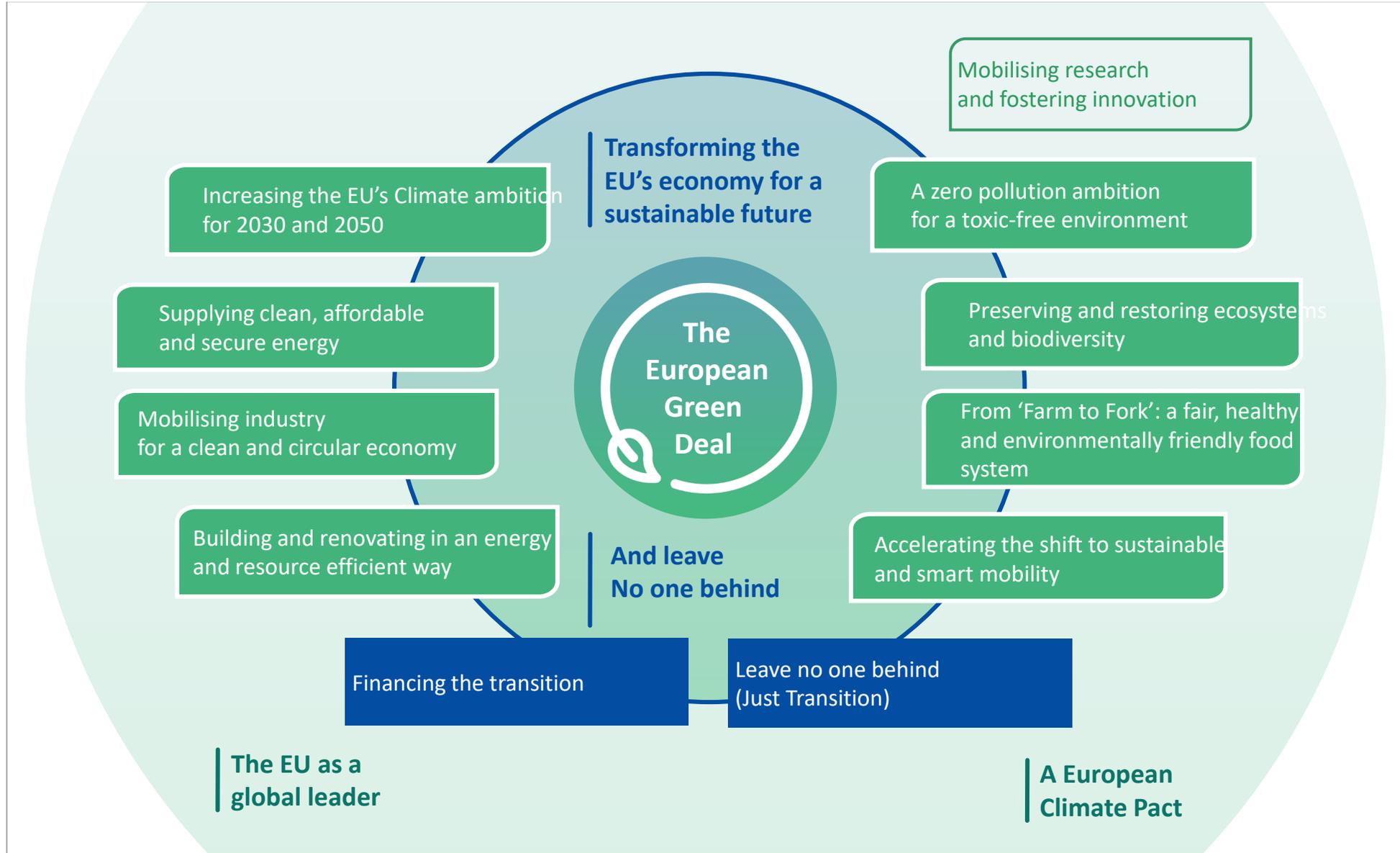
The EU Furniture Day 2022

EU industrial policies, EU response to pandemic and Ukrainian crisis – Opportunities and challenges to forest-based industries

19 May 2022

Maila Puolamaa
H.1 Construction
DG Internal Market, Industry, Entrepreneurship and SMEs

The European Green Deal



The European bioeconomy is one of the EU's largest and most important sectors

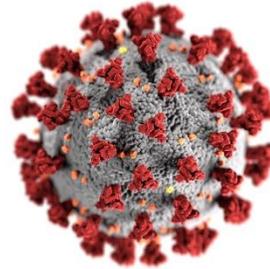
		EMPLOYMENT (MILLION JOBS)	TURNOVER (BILLION EUR)	VALUE ADDED (BILLION EUR)
	AGRICULTURE	9.2	380	174
	FORESTRY	0.5	50	24
	FISHING AND AQUACULTURE	0.2	12	7
	FOOD, BEVERAGES AND OTHER AGRO-MANUFACTURING	4.5	1 153	233
	BIO-BASED TEXTILES	1.0	103	28
	WOOD PRODUCTS AND FURNITURE	1.4	174	47
	PAPER	0.6	187	46
	BIO-BASED CHEMICALS AND PHARMA - CEUTICALS, PLASTICS AND RUBBER	0.4	177	56
	LIQUID BIOFUELS	0.03	12	3
	BIOELECTRICITY	0.01	11	3

- It includes agriculture, forestry, fisheries, food and other bio-based products as well as bio-energy.
- It generates 4.7% of the GDP and employs 8.9% of the labour force (2017)
- Forest-based industries provide almost 20% of value added.
- **Furniture industry: 1 M employees 120 000 companies (88% micro) with 96 € billions turnover.**

Circular Economy Action Plan – A key to recovery



Disruption of
global supply
chains



Job insecurity

Circular economy is expected to:

Impacts



Design drives innovative circular bio-based business and environmental friendliness



Zero Pollution Action Plan



Vision 2050: *Air, water and soil pollution is reduced to levels no longer harmful to health and natural ecosystems thus creating toxic free environment*

Targets by 2030:

Air:	>55% less premature deaths caused by air pollution
Water:	50% less waste, plastic litter at sea and 30% less microplastics to the environment
Soil:	50% less nutrient losses and chemical pesticides
Biodiversity:	25% less EU ecosystems threatened by air pollution
Noise:	30% less of people chronically disturbed by transport noise
Waste:	50% less residual municipal waste and total waste generation significantly reduced

Key action areas:

1. Improve human health
2. Boost change across society
3. Protect natural ecosystems and biodiversity:
4. Reduce pollution from production and consumption
5. Implement and enforce pollution laws more strictly
6. Minimise the EU's external pollution footprint and promote change globally
7. Promote digital solutions for zero pollution
8. Stimulate knowledge and innovation

The Industrial Strategy Update (ISU)

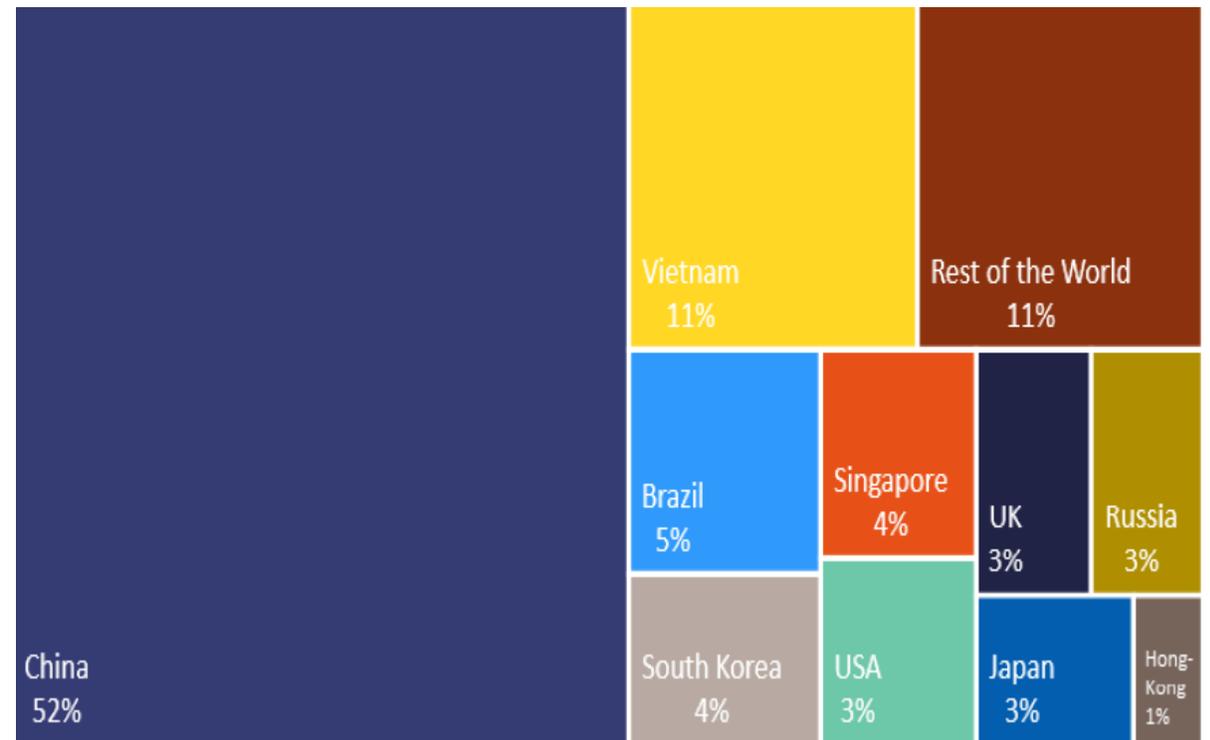
Single Market Emergency Instrument

- Structural solutions for circulation of goods and services (e.g. *Green Lanes*)
- Improved transparency on export restrictions and services restrictions (e.g. *notifications*)
- Faster product availability and enhanced market surveillance (e.g. *standard setting & sharing, fast track conformity assessment*)
- **Strengthened public procurement cooperation**

Green and digital transition

- **A coherent and stable regulatory framework (*Fit for 55*)**
- Access to capacities and infrastructure (*Energy and Industry Geography Lab*)
- **Finance for innovation and deployment (*Horizon Europe, State Aid rules, renewed Sustainable Finance Strategy*)**
- Access to raw materials (*European Raw Materials Alliance*)
- Decarbonised energy (*Support the uptake of corporate renewable power purchase agreements*)
- **The right skills (*Skills Roundtables*)**

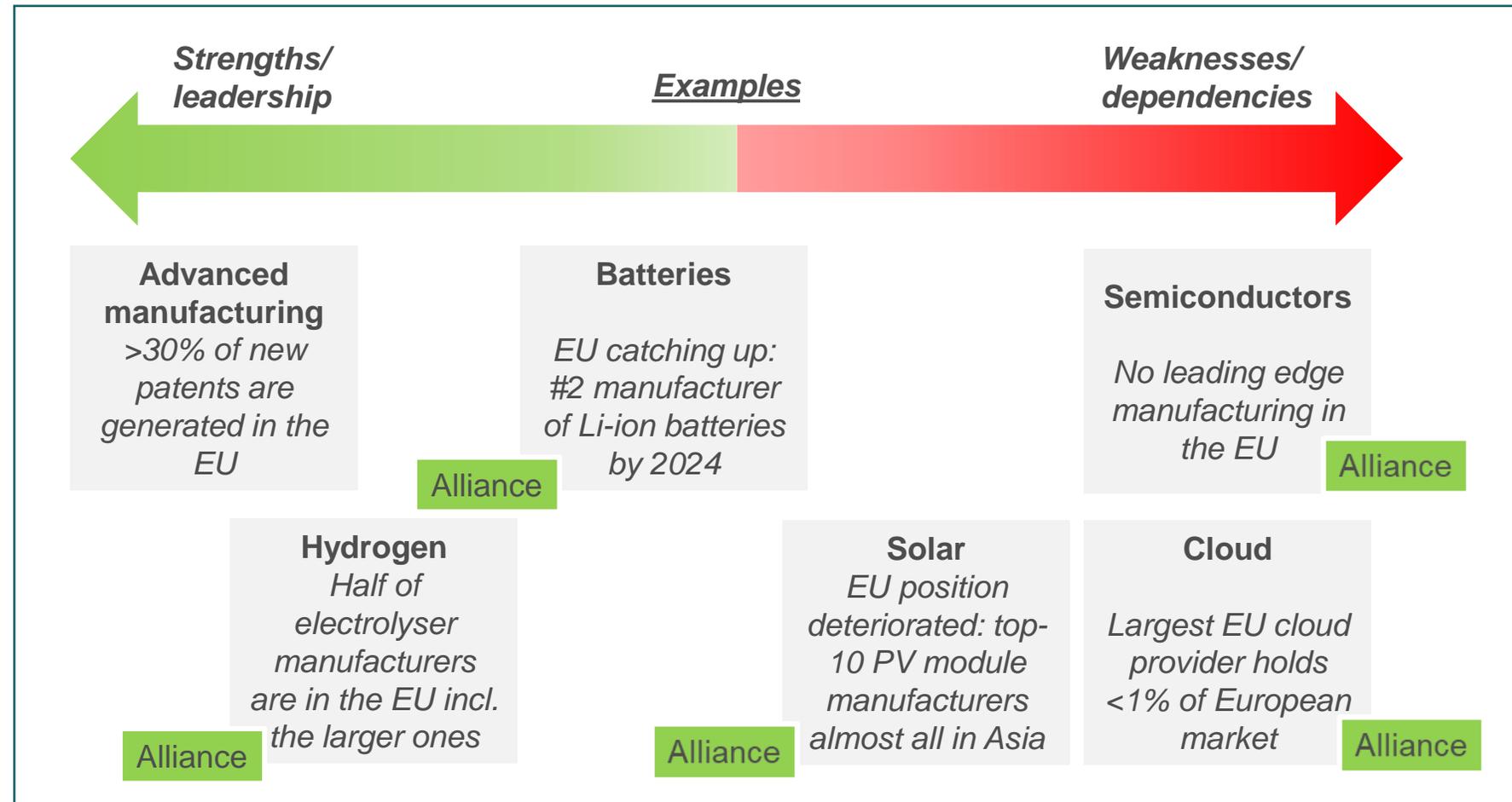
EU strategic capacity: strong in some technologies, highly dependent for others



EU strategic capacity: strong in some technologies, highly dependent for others

Main take-aways

1. Dependencies are **not limited to products**
2. Strategic capacity in key technologies is essential to **deliver on green/digital ambitions**
3. EU has **strengths and weaknesses**: highly competitive in some areas, highly dependent in others
4. Can **build on successful examples (e.g. alliances)**



The Fit for 55 Package – Overview



December 2021:

- Deforestation –free products,
- Sustainable carbon cycles,
- Energy performance of buildings etc.

March 2022:

- Ecodesign for sustainable product regulation,
- Construction products regulation, - etc.

New Guidelines on State aid for climate, environmental protection and energy (CEEAG)

- On 21 December, the Commission endorsed **the revised guidelines** to ensure that **EU State aid rules play their full role in supporting the European Green Deal and the Fit for 55 package** in order to tackle climate change, pollution and loss of biodiversity. The revised guidelines aim to:
 - Open up and facilitate to a maximum and far above the previous guidelines those aid measures that are **2030/2050 compliant**, for example for renewables.
 - End support for the most polluting fossil fuels, not compatible with the Green Deal.
 - **Set conditions for other measures, e.g., for natural gas, to ensure that they are 2030/2050-proof, i.e., no displacement of cleaner technologies, no lock-in effects.**
- **Green measures will be facilitated through:**
 - **Enlarging the scope** of categories of investments and technologies that Member States can support (e.g., industrial decarbonisation, clean mobility, **resource efficiency**, biodiversity, **replacement of fossil-based raw materials or feedstock with bio-based raw materials or feedstock**) to cover all technologies that can deliver the European Green Deal (e.g., renewable and low carbon hydrogen, e-storage).
 - **More flexible rules:** Higher aid amounts (100% of funding gap) and new aid instruments (e.g., contracts for difference), simplified assessment of cross-cutting measures, generally no individual notifications for large green projects within approved schemes.
 - Endorsing **green security of supply:** allow more generous contract terms for green technologies, allow stricter environmental requirements.

Global value chains and Europe's resilience



RePowerEU, 18 May 2022

HOW TO BOOST THE DEVELOPMENT OF CLEANER INDUSTRIAL PROCESSES



Electrification, energy efficiency and uptake of renewables could allow industry to save **35 bcm** of **natural gas by 2030** beyond Fit for 55 targets



Largest reductions in gas, almost **22 bcm** could be made from **non-metallic minerals, cement, glass and ceramics, chemicals** production and refineries

THE SHIFT TO CLEAN INDUSTRY:

- Electrification of industrial processes
- Renewable hydrogen deployment
- Circular use of materials
- Use of alternative biobased or renewable inputs
- Waste valorisation
- Energy efficiency



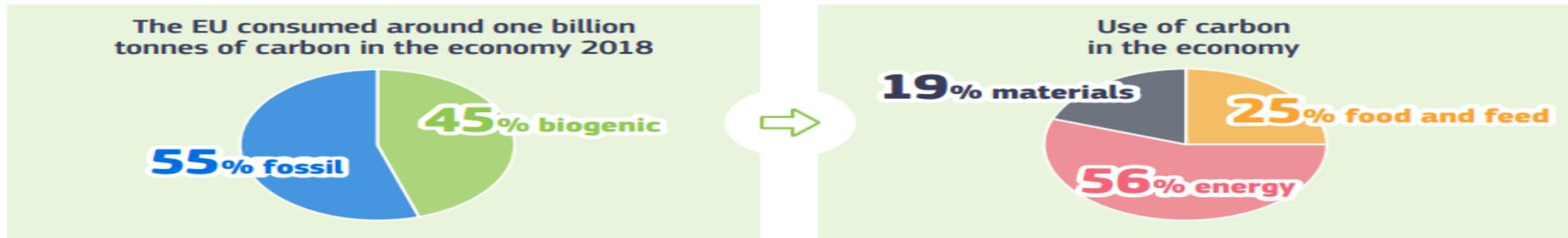
Around **30%** of **EU primary steel production** is expected to be decarbonized on the basis of renewable hydrogen by 2030



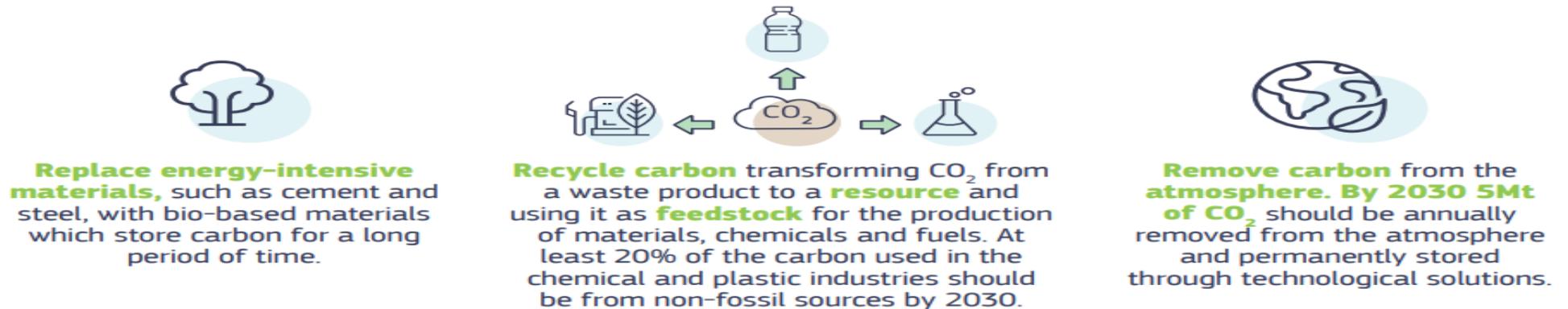
Sustainable carbon cycles

SUPPORT A NEW INDUSTRIAL VALUE CHAIN FOR THE SUSTAINABLE CAPTURE, USE, TRANSPORT, AND STORAGE OF CARBON

In addition to decarbonising its energy system, the EU will also need to rethink its **sourcing of carbon** as feedstock for industrial processes.



Creating a market for capture, use, and storage of CO₂



***Morning session: Key trends affecting the European furniture sector,
with a focus on the coronavirus pandemic, sustainability and digitalisation***

11:05 – 11.55

**5. Panel discussion:
Pandemic and post
pandemic supply chain
development and material
sourcing, implications of
Ukrainian crisis and link
to circularity and climate
ambitions**



Jan Kurth

Managing Director
of VDM



Stina Wallström

Public Affairs Manager
IKEA Range and Supply



**Giovanni del
Vecchio**

CEO at Giorgetti



**Martin
Brettenthaler**

CEO at Swiss Krono



Andre Dorner

Managing Director at
Blum Germany

Morning session: Key trends affecting the European furniture sector, with a focus on the coronavirus pandemic, sustainability and digitalisation

11:55 – 12:00

6. Wrap up morning session



Mariam Zaidi

Moderator

Lunch break & networking

12:00 – 13:30

Afternoon session: The furniture industry in the twin (green and digital) transitions & overall needs of the industry to remain competitive at global level

13:30 – 13:35

7. Introduction to afternoon session



**Gabriella
Kemendi**

EFIC Secretary
General

Afternoon session: The furniture industry in the twin (green and digital) transitions & overall needs of the industry to remain competitive at global level

13:35 – 13:55

8. Commission package of proposals March 2022: proposal for an Ecodesign for Sustainable Products Regulation & implications for the European furniture industry



Matjaž Malgaj

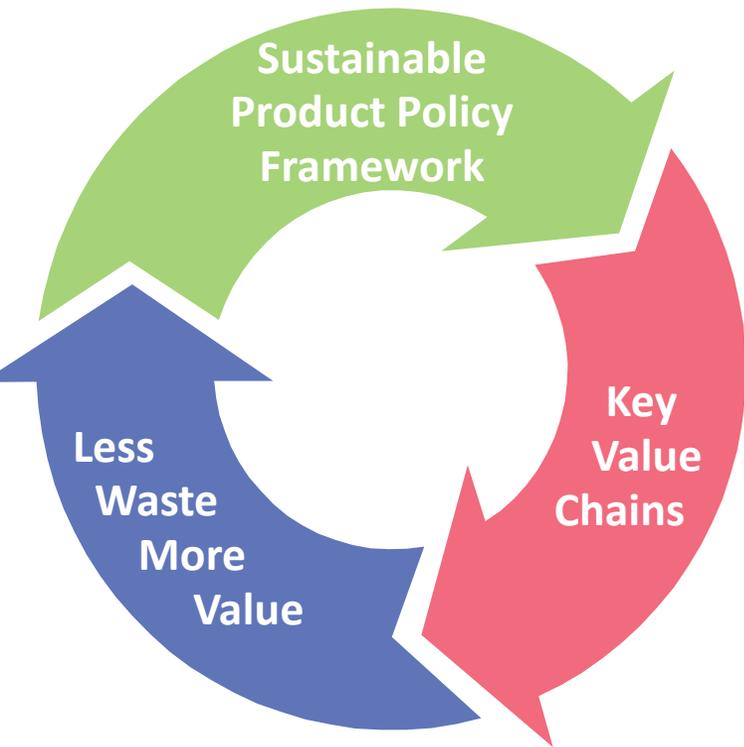
European Commission,
Head of Unit DG ENVI
B4, Sustainable
Products



Regulation on Ecodesign for Sustainable Products

**This is summary presentation and does not represent the official views of the European Commission*

CEAP - Changing the way Europe consumes and produces



35 actions

Make sustainable products the norm in the EU
Empower consumers and public buyers
Sustainable production processes

Electronics and ICT
Batteries and vehicles
Packaging
Plastics
Textiles
Construction and buildings
Food, water and nutrients

Reduce Waste
Reduce Waste Exports
Boost market for high quality and safe secondary raw materials

Making circular economy work for people, regions and cities

Circular economy as a requisite for climate neutrality

Getting the Economics Right

Financial Markets

Investments and R&I

Global Level Playing Field

Monitoring

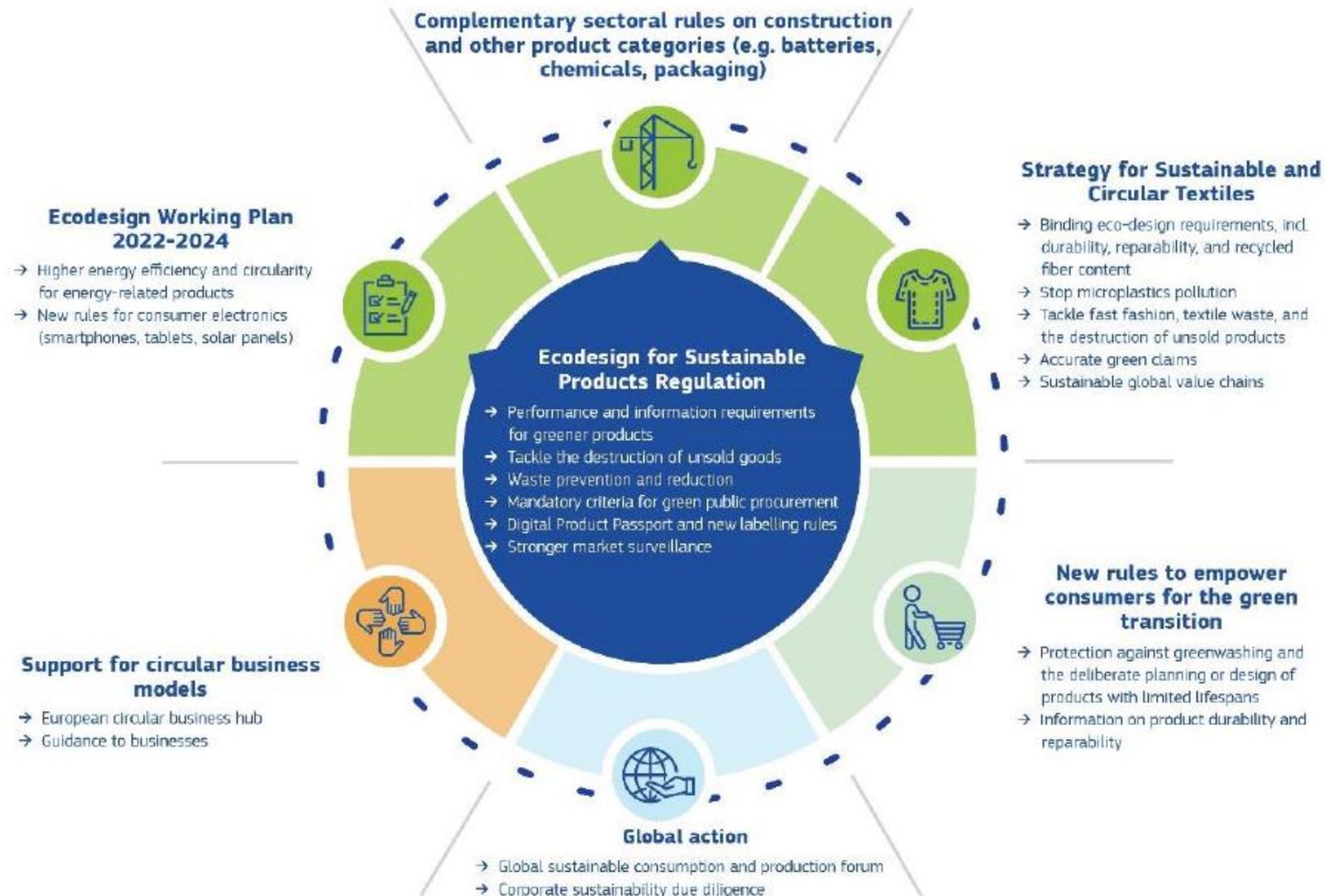


*“It's time to end the model of ‘take, make, break, and throw away’ that is so harmful to our planet, our health and our economy. Today's proposals will ensure that **only the most sustainable products are sold in Europe**. They allow consumers to save energy, repair and not replace broken products, and make **smart environmental choices** when they are shopping for new ones.”*

***Frans Timmermans,**
Executive Vice-President for the European Green Deal*

The Circular Economy package – 30 March 2022

Making sustainable products the norm in a more resilient Single Market

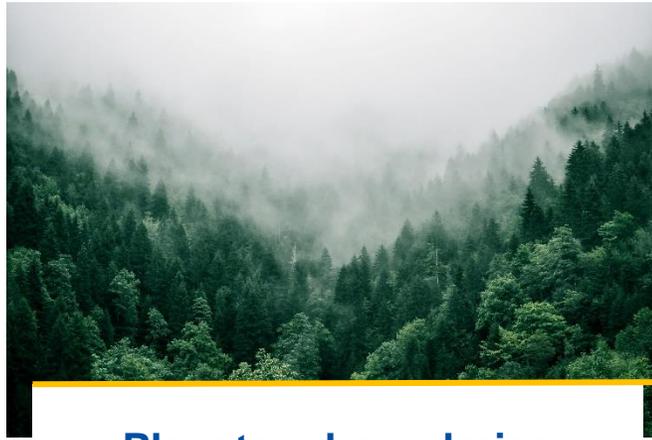


Why is ESPR needed?



Inefficient use of resources

- **Global extraction of materials tripled** since 1970
- Over **90% of biodiversity loss and water stress** from resource extraction and processing
- **Waste generation** set to increase **70%** by 2050
- High **strategic** and **material dependency**



Planetary boundaries exceeded

- EU has less than 10% of world population, yet its **consumption-based impacts are close to or exceed boundaries** for climate change, particulate matter, land use and mineral resources (Sala et al, 2020)



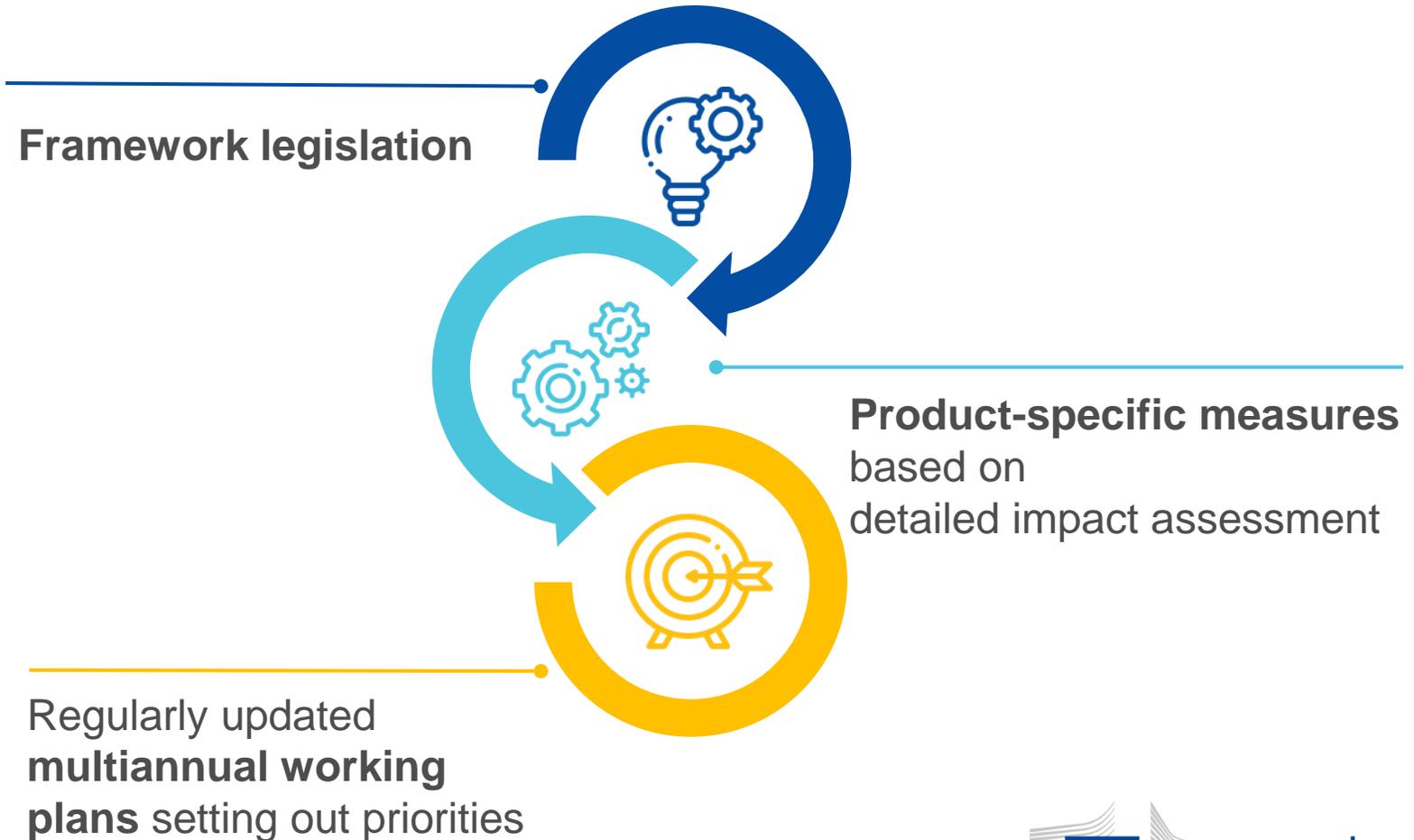
New business opportunities

- **Better functioning of the Single Market**
- **Reduce material use and expenditure**
- **Level playing field**

How will ESPR work?

1. Building on the existing Ecodesign Directive

Key features
of Ecodesign
Directive
approach
maintained



How will ESPR work?

2. Extending the Ecodesign approach



Scope extension

Moving beyond energy-related products to a wide product scope



New requirements

Plus clarification of existing requirements



Horizontal approach

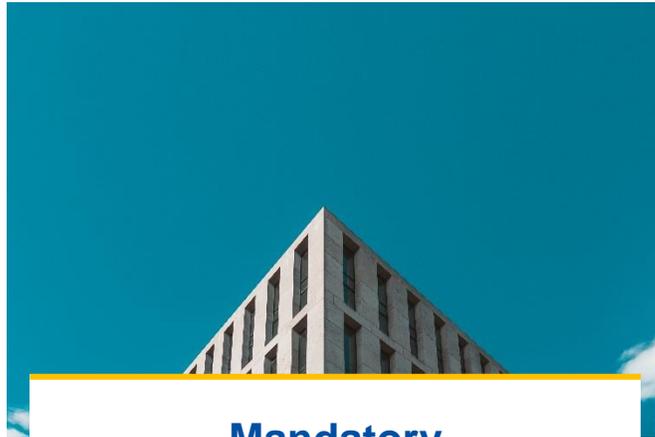
Now allowed for in addition to product-specific requirements



Increased focus on product information

e.g. Digital Product Passport; labels

Other tools provided by ESPR



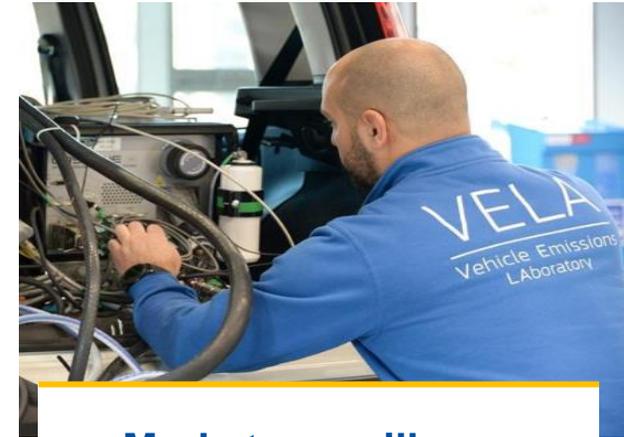
Mandatory Green Public Procurement

ESPR will enable mandatory GPP criteria to be set in delegated acts for public contracting authorities



Prevention of destruction of unsold consumer goods

Transparency requirements for those choosing to discard unsold goods, and possibility to ban their destruction for relevant product groups.



Market surveillance and customs controls

Reinforcing controls on regulated products, including market surveillance implementing plans, possible targets on checks, support to common projects and investments

Key product aspects under ESPR

- Durability
- Reliability
- Reusability
- Upgradability
- Repairability
- Possibility of maintenance and refurbishment
- Presence of substances of concern
- Energy use or energy efficiency
- Resource use or resource efficiency
- Recycled content
- Possibility of remanufacturing and recycling
- Possibility of recovery of materials
- Environmental impacts, including carbon and environmental footprint
- Expected generation of waste materials

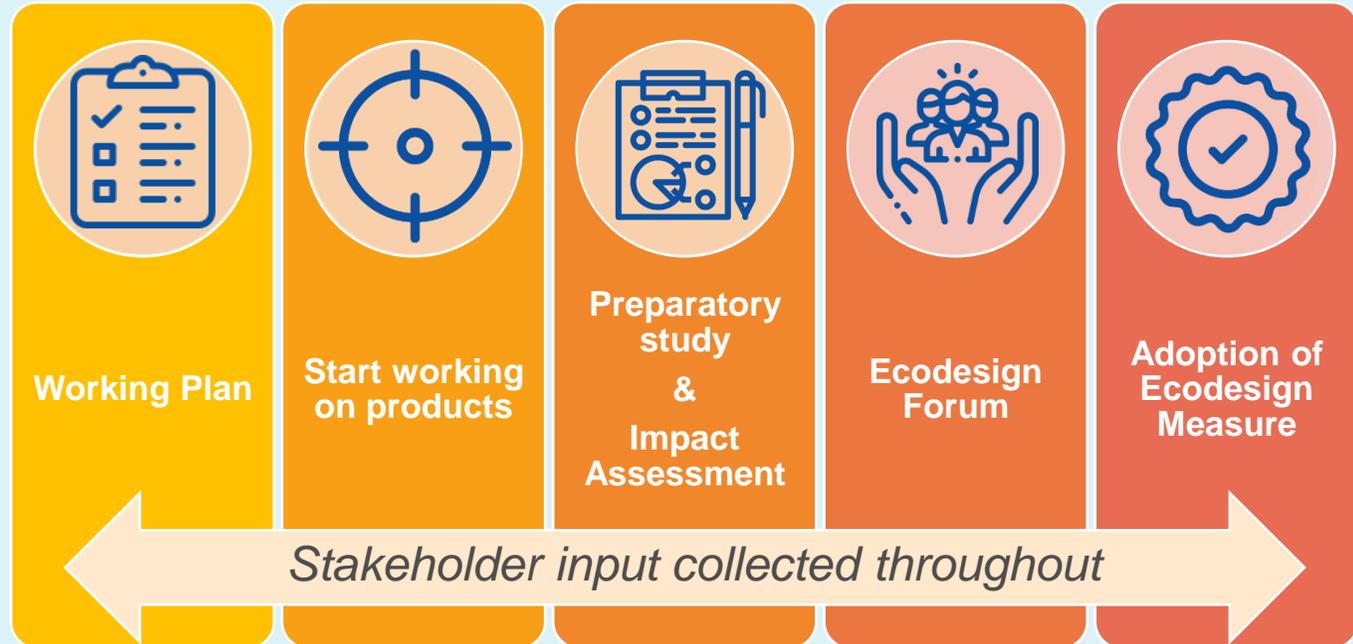
How will ESPR work?

3. Process

**ESPR =
framework
legislation**

*i.e. does not set
specific measures.
Rather, it enables
their later adoption*

Improved process for adoption of new Ecodesign measures





Digital Product Passport (DPP)

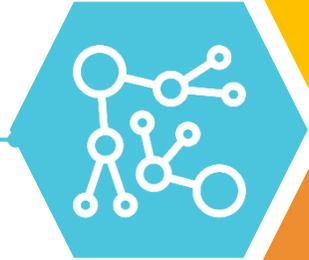
- Structured **collection of product data** with agreed ownership and access rights conveyed through **unique identifier**
- **Decentralised system**
- **Data** on sustainability, environmental impact, circularity, substances of concern, value retention for reuse/remanufacturing/recycling

The DPP business case

- Track **raw material extraction/production** supporting due diligence efforts



- Track the life story of a product, enabling new business models related to its **remanufacturing, reparability, re-use/re-sale/second-life, recyclability, new business models**



- Support **market surveillance and customs authorities** with necessary checks



- Enable **manufacturers** to create product **digital twins**, embedding all the information required



- Provide **public authorities and policy makers** with reliable information, enabling links between **incentives and sustainability performance**



- ❖ Allows **citizens** to have access to **relevant and verified information** to buy or use/maintain products (e.g. using a smartphone)



Expected outcomes of ESPR



Environment

- Help achieve EU's environmental goals and SDGs
- Target product-related environmental impacts



Consumers

- Improved product performance and longer lifetimes
- More informed decision making
- Financial savings (longer life and less energy)



Supply chain actors

- Reduced material costs
- Reputational benefits
- Increased transparency across supply chain



EU Economy

- Decoupling economy from resource use
- Reduced dependencies
- Increased resilience to external shocks

Existing instruments for circularity of furniture

- **Eu Ecolabel criteria**
- **EU GPP criteria**
- **Product/Organisation Environmental Footprint methods**
 - **PEFCRs relevant for furniture: Decorative paints, leather,**

Thank you!

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_2013

• © European Union 2022



• Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.



Keep in touch



ec.europa.eu/



europa.eu/



[@EU_Commission](https://twitter.com/EU_Commission)



[@EuropeanCommission](https://www.facebook.com/EuropeanCommission)



[European Commission](https://www.linkedin.com/company/european-commission)



[europeancommission](https://www.instagram.com/europeancommission)



[@EuropeanCommission](https://medium.com/@EuropeanCommission)



[EUTube](https://www.youtube.com/EUTube)



[EU Spotify](https://open.spotify.com/EU_Spotify)

Afternoon session: The furniture industry in the twin (green and digital) transitions & overall needs of the industry to remain competitive at global level

13:55 – 14:35

9. Panel discussion: European furniture industry reactions to the Commission proposals, national associations initiatives in support of companies & best practices



Robin Ljungar

Environmental
Manager at TMF
(Sweden)



Kees Hoogendijk

Director General at
CBM (Netherlands)



Cathy Dufour

Director General
l'Ameublement
Français (France)

Afternoon session: The furniture industry in the twin (green and digital) transitions & overall needs of the industry to remain competitive at global level

14:35 – 15:20

**10. Panel discussion:
What does the
European furniture
industry need from
policymakers to stay
competitive at global
level?**



Philippe Moreau

L'Ameublement
Français President
(France)



Maria Porro

Assarredo President
(Italy)



Jan Desmet

Fedustria President
(Belgium)



Patrizia Toia

MEP, ITRE Committee,
S&D



Chris de Roock

General Manager at
WOOD.BE

Afternoon session: The furniture industry in the twin (green and digital) transitions & overall needs of the industry to remain competitive at global level

15:20 – 15:25

11. Closing remarks & thank you



Edi Snaidero

EFIC President

Afternoon session: The furniture industry in the twin (green and digital) transitions & overall needs of the industry to remain competitive at global level

15:25 – 15:30

12. Wrap up



Mariam Zaidi

Moderator

THE FURNITURE DAY 2022

19 May 2022

EFIC
European Furniture Industries Confederation

**THANK YOU FOR
PARTICIPATING!**

EVENT SPONSORED BY



#EFICFurnitureDay2022