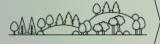


## This is UPM

**SALES 2023 EUR 10.5 BILLION** 







Low-emission energy

#### **BUSINESSES:**

**UPM FIBRES** 

**UPM ENERGY** 

**UPM RAFLATAC** 

**UPM SPECIALTY PAPERS** 

**UPM COMMUNICATION PAPERS** 

**UPM PLYWOOD** 

UPM BIORFFINING

54 production plants



16,600 employees in 43 countries

#### RENEWABLE AND RECYCLABLE PRODUCTS FOR:



PACKAGING



LABELLING



TRANSPORTATION



ELECTRIFICATION



CONSTRUCTION



COMMUNICATION



TISSUE AND HYGIENE PRODUCTS



MANUFACTURING



BIOPLASTICS



(A) BIOMEDICALS

11,000 customers



180

million end-users globally

### Our businesses





**UPM Pulp** A versatile range of chemical pulp for many growing end uses



**UPM Timber** Certified sawn timber for joinery, packaging, furniture, planing and construction



**UPM Forest** Sourcing wood raw material for sustainable and recyclable products



**UPM Energy** Carbon-free electricity generation of hydro, nuclear and thermal power



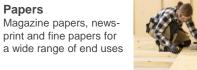
UPM Raflatac Self-adhesive paper and film products incl. label materials, graphics solutions and removable self-adhesive products.



**UPM Specialty Papers** Labelling materials, release base papers, flexible packaging papers, office and graphic papers



**UPM Communication Papers** Magazine papers, news-



**UPM Plywood** Plywood and veneer products for construction, vehicle flooring and LNG shipbuilding



**UPM Biofuels** Wood-based renewable diesel and naphtha



UPM **Biochemicals** Glycols, lignin products, renewable functional fillers



**UPM Biomedicals** Wood-based biomedical products for clinical and life science applications



**UPM Biocomposites** Composite decking materials and woodbased biocomposites

# We create a future beyond fossils

Biofore strategy drives stakeholder value creation and our transformation as the frontrunner of bioeconomy

#### Growth

- We respond to megatrends and meet customers' changing needs
- Creating new markets and enabling sustainable choices

#### Performance

- Continuous improvement
- · Agile operating model
- Corporate synergies



#### **Innovation**

- Creating new business and competitive advantage
- Replacing fossils with biomaterials

#### Responsibility

- Renewable & sustainable solutions
- Responsible operations and value chain

#### Portfolio choices

- Strategic access to sustainable renewable raw materials
- Investing in businesses with strong long-term fundamentals for growth and high barriers to entry
- Effective capital allocation with attractive returns

## Spearheads for growth

## - strong business platforms for growth



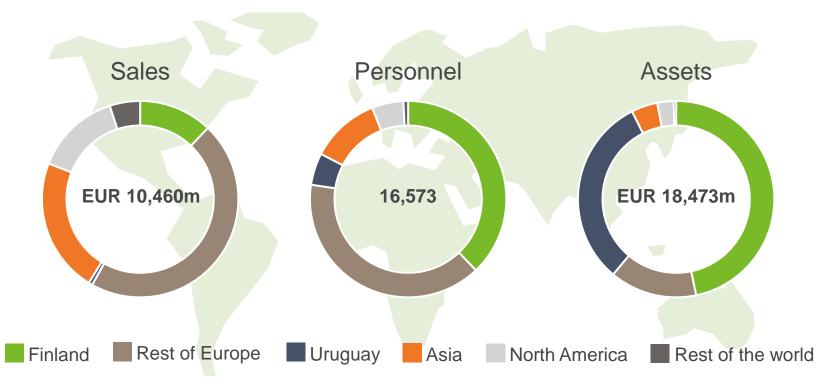


**UPMBIOFORE-BEYOND FOSSILS** 

5 | © UPM

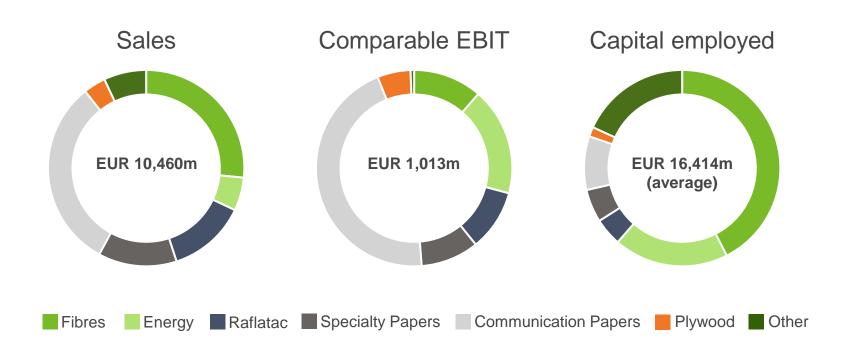
## Global strengths and opportunities





## **UPM** by business area in 2023





### **Our climate commitment**





## WE ACT THROUGH FORESTS

Committed to climate-positive forestry and enhancing biodiversity





## WE ACT THROUGH EMISSION REDUCTIONS

-65% from own CO<sub>2</sub> emissions
 -30% from CO<sub>2</sub> emissions of supply chain



## WE ACT THROUGH PRODUCTS

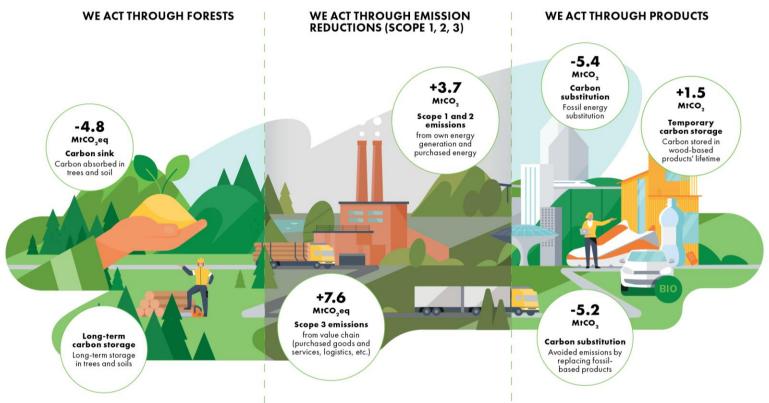
Innovative products

Scientifically verifying the climate impact of all our products



## **Towards net-zero emissions** (UPM 2023)





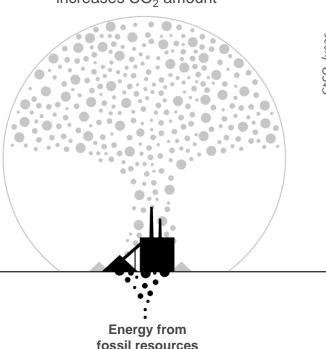
## Bioeconomy offers a sustainable alternative to fossil-based economy



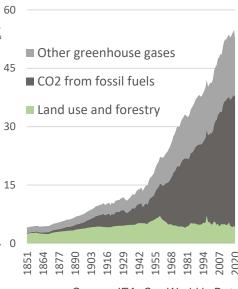
Biomass use is not increasing CO<sub>2</sub> to carbon cycle



Use of fossil resources increases CO<sub>2</sub> amount



Use of fossils has increased global CO<sub>2</sub> -emissions



## **External recognitions**

Member of

Dow Jones Sustainability Indices

Powered by the S&P Global CSA







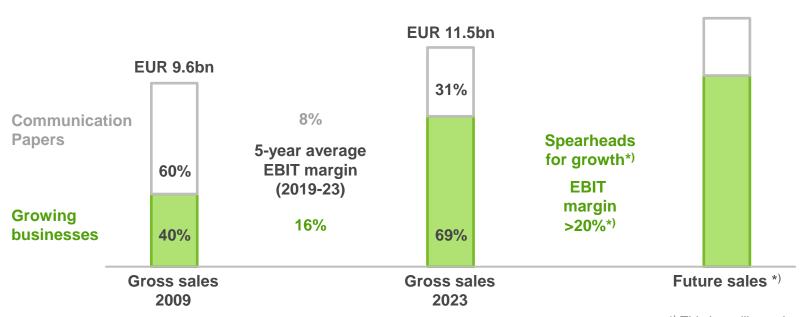






## Transformation continues – business mix drives earnings and shareholder value





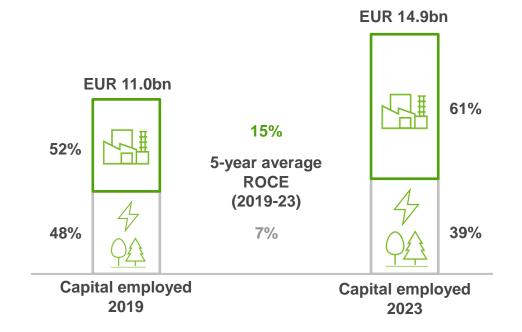
<sup>\*)</sup> This is an illustration, not a forecast

## Growth investments have increased capital employed, significant earnings potential as they start to contribute UPM



**Industrial operations:** Further growth, attractive return targets

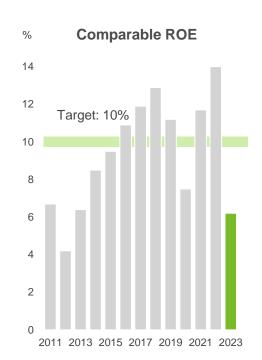
Forest and energy assets: Sustainable value creation

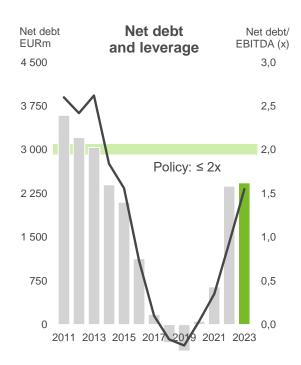


## **Group financial performance and targets**



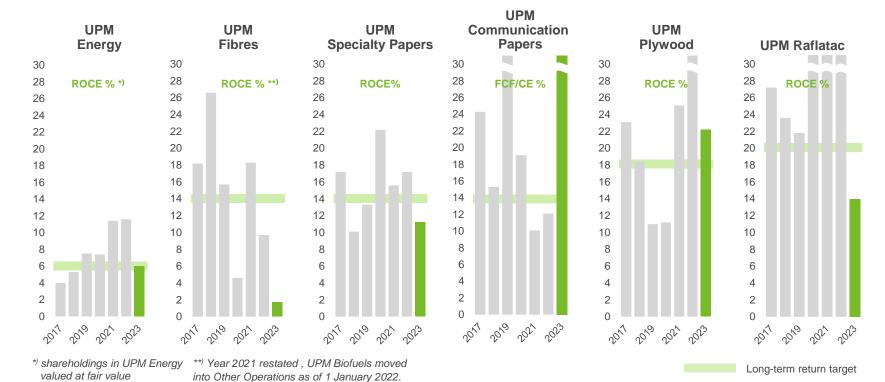






## **Business area long-term return targets**





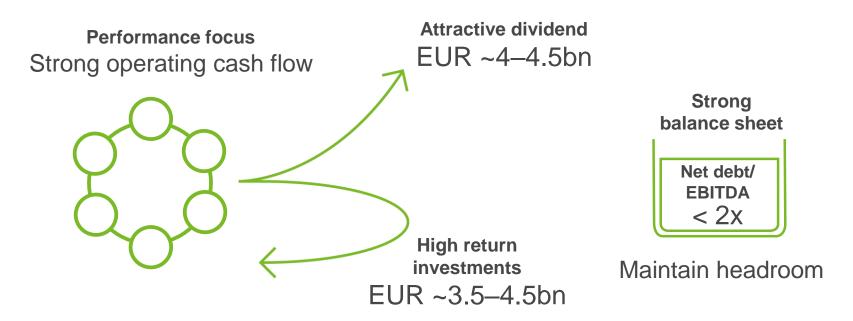
## Dividend policy and capital allocation



- UPM aims to pay attractive dividends, targeting at least half of the comparable earnings per share over time.
- UPM plans to allocate capital to
  - Invest to grow the company and its earnings. UPM targets growth in comparable EBIT and comparable return on equity exceeding 10%.
  - Pay attractive dividend. The targeted earnings growth drives dividend growth over time.
  - Maintain a strong balance sheet. Net debt to EBITDA ratio to be less than 2.
  - Share buybacks. They are a complementing tool that may be used relative to investment opportunities and company valuation.

## Illustrative 5-year capital allocation\*) (2023–2027)

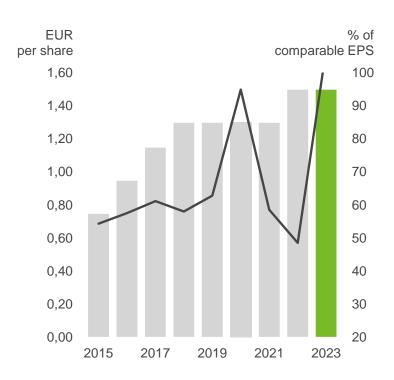




\*) This is not a forecast

## Dividend for 2023: EUR 1.50 per share





#### **Dividend policy**

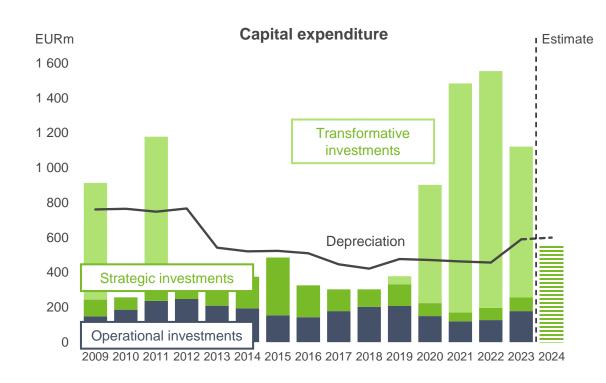
 UPM aims to pay attractive dividends, targeting at least half of the comparable earnings per share over time

#### Dividend for 2023

- EUR 1.50 (1.50) per share, totalling EUR 800m
- 107% of 2023 comparable EPS

## Major investment cycle coming to an end



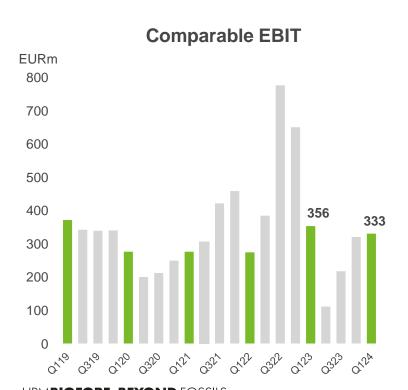


#### Capex estimate for 2024

- Total EUR 550m
- Includes EUR 300m on the UPM Leuna biochemicals project in Germany
- Operational investment needs consistently low

## Q1 2024: positive start to the year, growth projects contributed to earnings



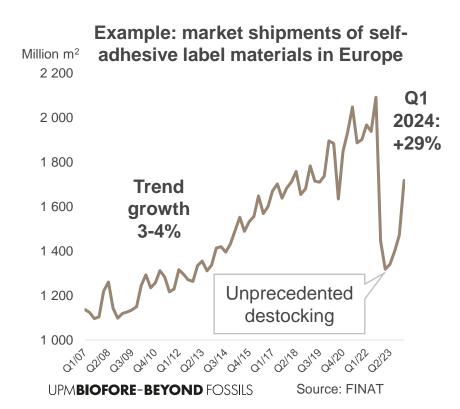


#### Q1 2024 in brief

- Sales decreased by 5% to EUR 2,640m (2,787m in Q1 2023)
- Comparable EBIT decreased by 6% to EUR 333m, 12.6% of sales (356m, 12.8%)
- Successful margin management and recovering market demand continued
- UPM Paso de los Toros reached positive EBIT
- Preparations for production and business launch by the end of 2024 at UPM Leuna

## Market demand recovering after unprecedented destocking in 2023

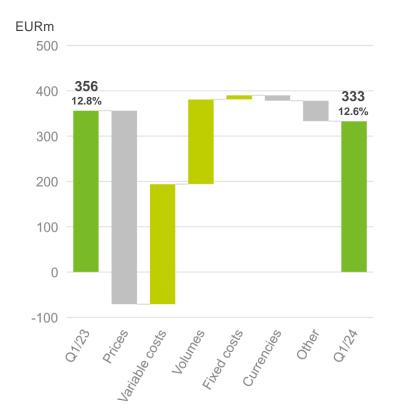


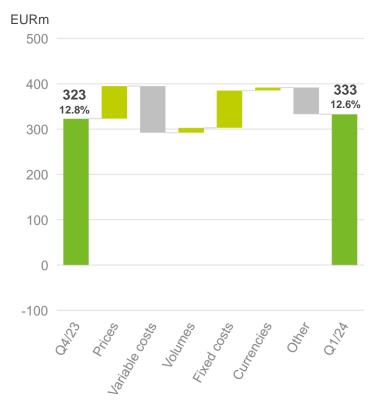


- Gradual recovery in most product markets continued in Q1 2024, having started in H2 2023
- Underlying consumer demand improving and destocking over
- In 2023, market shipments in most products were well below end-use demand and long-term trends due to destocking
- The long-term growth prospects remain intact and attractive

## Comparable EBIT in Q1 2024

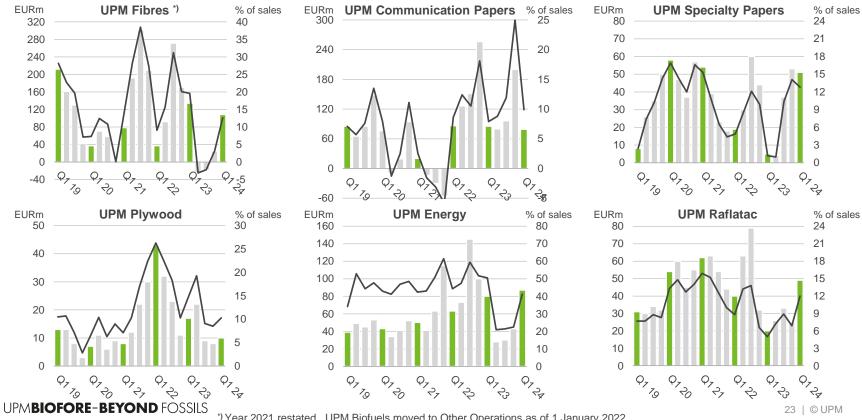






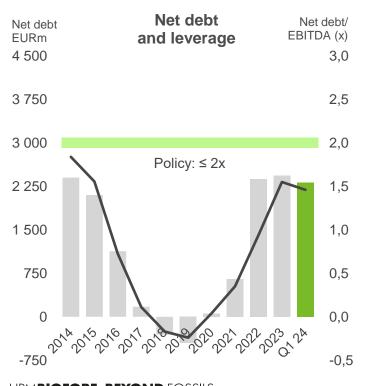
## Comparable EBIT by business area





## **Strong financial position**





- Net debt EUR 2,312m at the end of Q1 2024
- Net debt / EBITDA 1.46
- Cash funds and committed credit facilities
   EUR 3.5bn at the end of Q1 2024
- No financial covenants

UPMBIOFORE-BEYOND FOSSILS

## Outlook for 2024



- UPM's full-year 2024 comparable EBIT is expected to increase from 2023, supported by higher delivery volumes, continued ramp-up and optimisation of the UPM Paso de los Toros pulp mill, and lower fixed costs.
- Demand for many UPM products is expected to continue to improve gradually as the
  destocking seen in 2023 is over. The year has started with lower price level for
  advanced renewable fuels than last year. UPM continues to manage margins and take
  actions to reduce variable and fixed costs.
- In H1 2024, comparable EBIT is expected to be lower than in H2 2023, due to the timing
  of the energy-related refunds in Q4 2023 and unusually high maintenance activity in Q2
  2024. Planned maintenance shutdowns will take place in UPM Paso de los Toros, UPM
  Fray Bentos and UPM Pietarsaari pulp mills and all three units of the Olkiluoto nuclear
  power plant.



## FOREST

The UPM Forest Action programme takes a holistic view, covering the five fundamentals of responsible forestry:













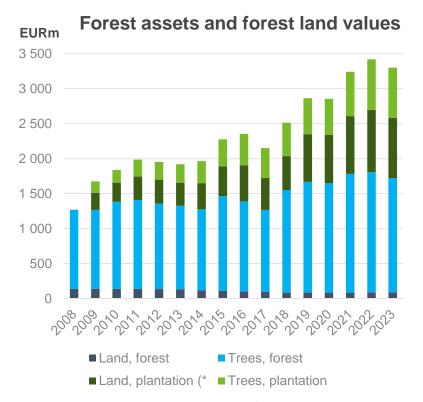


UPM forests and plantations	2008	2023	Area distribution		
Forest and plantation land (own and leased) (1,000 ha)	1,012	1,073	8%	8% US	
Forest growth (million m³)	4.3	11.5	90%	58% Finland	
Wood sourced from UPM forests and plantations (million m³)	2.2	7.0			
Value of forests and plantations, including land (EURm)	1,270	3,301		34% Uruguay	
			2008	2023	

Climate-positive forestry and maintenance of carbon sinks
Investing in strategic forest assets in Uruguay
Productivity with active management and nurseries
Enhanching biodiversity

## Active forest strategy – UPM's forest assets are increasingly productive and valuable





#### **Uruguay plantations**

"fast turnover, low inventory"

- Value EUR 1.6bn
- Continuous productivity improvement (pulp tonnes/ha)
- Investing in strategic forest assets

## Finland and other northern forests "slow turnover, high inventory"

- Value EUR 1.7bn (+36% since 2008, EUR/ha +129% since 2008)
- Decreased area (-41% since 2008), focusing on forests close to mills
- Improved growth (m³/ha)
- Trend price (EUR/m³)

### New business in woodbased biochemicals

## Responding to strongly growing demand for sustainable solutions



Industrial scale biorefinery in Leuna, Germany



Alternatives to fossil materials in various consumer-driven end-uses



EUR 1 180 million investment Total annual capacity of 220,000 tonnes



Scheduled to start up by the end of 2024



#### **UPM Biochemicals**

### Renewable product range

- Bio-monoethylene glycol (bMEG)
   for textiles, PET bottles, packaging, deicing fluids
- Renewable functional fillers
   for rubber applications as a sustainable, light-weight and
   high-purity alternative to carbon black and silica
- Bio-monopropylene glycol (bMPG)
   for composites, pharma, cosmetics, detergents
- Industrial sugars
   for various applications in chemicals industry









#### **UPM Biochemicals**

## Large growth markets – unique sustainability value





- The global glycols market is more than 30 million tonnes, with expected annual growth of approx. 4%
- The global market of carbon black and silica is more than 15 million tonnes, with expected annual growth of approx. 3%
- Current market supply based on non-renewable raw materials
- Customers increasingly committed to sustainable solutions
- UPM's renewable raw material and new technologies provide significant reduction in carbon footprint
- UPM biochemicals fit directly into customers' processes and the existing recycling infrastructure

## UPM Paso de los Toros will grow UPM Pulp by over 50%

## Highly competitive cash cost of USD 280 per delivered tonne of pulp





Pulp mill and deep seaport terminal in Montevideo Jobs and other opportunities for the residents of the region



Pulp is used in tissue, specialty and packaging papers, for example



USD 3.47 billion investment Total annual capacity of 2.1 million tonnes of eucalyptus pulp



Started up in April



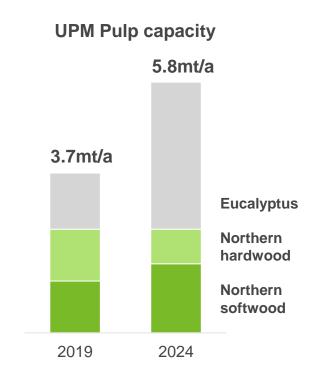


**UPMBIOFORE-BEYOND FOSSILS** 

## Transformative step in UPM's pulp business and in UPM's future earnings



- Significant step for UPM's future earnings
  - One of the most competitive mills in the world
  - Expected cash cost level of USD 280 per delivered tonne of pulp\*)
  - Attractive returns in various market scenarios
  - Carefully prepared to ensure long-term competitiveness and to minimise risks both in the project phase and during continuous operations
- Step change in UPM's pulp business



<sup>\*)</sup> including variable and fixed costs of plantation operations, wood sourcing, mill operations and logistics delivered to the main markets

#### **UPM Fibres**

## **Competitive wood supply**



Eucalyptus availability secured through UPM's own and leased plantations and wood sourcing agreements with private partners

UPM's own, leased and managed plantations in Uruguay cover 505,159 hectares, supplying both UPM Fray Bentos and the new Paso de los Toros mill

30 years experience of sustainably managed and productive plantations



#### **UPM Fibres**

### **Efficient logistics set-up**



## USD 280 million investment to a deep sea pulp terminal in Montevideo port

- Direct rail access from the mill with 4-6 trains/day + 1 chemical train/day to the mill
- Operating 24/7
- >50,000 m warehouse for ~2 million pulp tonnes
- Deep sea port with 100 pulp ships a year
- → Direct, efficient access to global markets

#### Railway modernisation

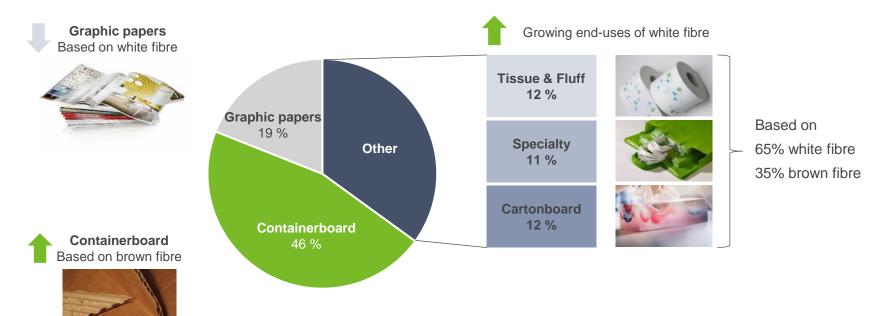
Public-private-partnership agreement by the government and the construction company

Road improvements



### Market pulp consumed in growing end-uses – alternative white fibre demand overcoming graphical paper decline





Total fibre consumption (2020): 421 million tonnes

#### **UPM Fibres**

## Expansion cycle coming to an end with no major confirmed projects after 2026



### Entry of market bleached pulp capacity

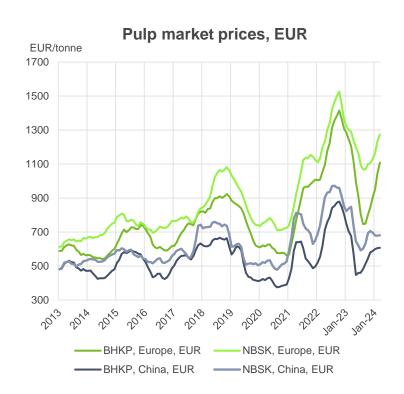


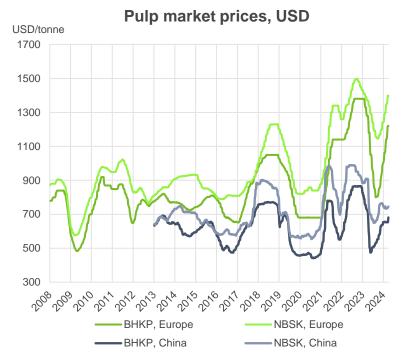
Note: including BHKP, BSKP, excluding fluff and dissolving

#### **UPM Fibres**

## **Chemical pulp market prices**







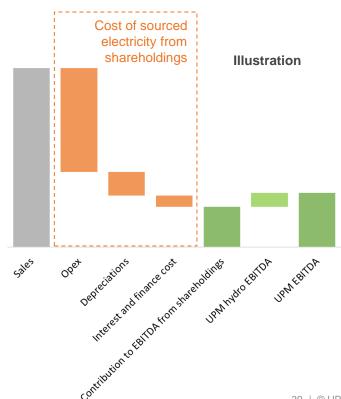
Source: FOEX Indexes Ltd

## UPM Energy UPM Energy



UPM Energy's power generation	MW	EURm
Hydropower holdings	552	976
Nuclear power OL1 and OL2	588	1,302
Nuclear power OL3 (PTO 05/2023)	494	0
Thermal power	133	1
UPM Energy's shareholdings in total, valued at fair value	1,765	2,278
UPM own hydropower assets	170	
UPM Energy's in total (incl. OL3)	1,936	
UPM Energy capital employed		2,501

UPM Energy sources electricity from part owned energy companies at full cost (cost-price principle, mankala principle)



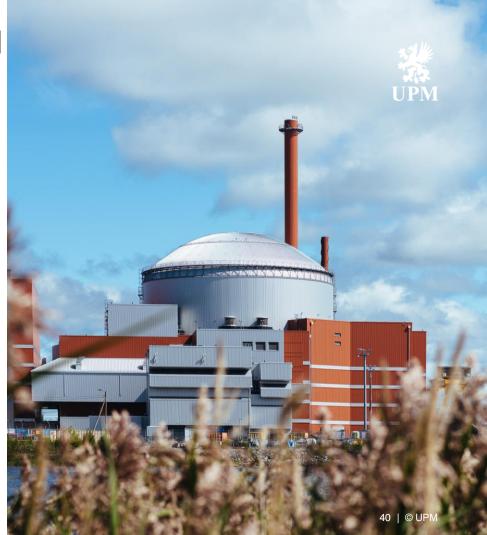
## OL3 in regular commercial electricity production

We create a future beyond fossils: OL3 grows UPM Energy's carbon free electricity generation by nearly 50%

Reliable CO<sub>2</sub>-free baseload energy to support the electrification of the society

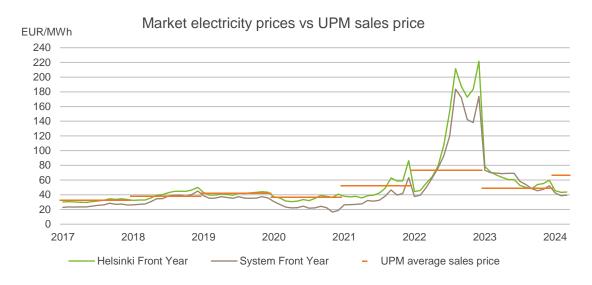
Finland's electricity self-sufficiency significantly improved, carbon neutral generation to about 90%

UPM's agile and competitive energy business platform opens growth opportunities in the green transition



## Cost efficient generation enables robust profitability in changing market environment





UPM Energy profitability	2019	2020	2021	2022	2023	Q1/2024
Comparable EBIT, EURm	185	171	270	381	182	87
% of sales	44.4	45.0	51.3	52.0	29.0	41.2

#### **UPM Raflatac**

## Self adhesive labels in various end-uses















Food

Wine, spirits & beverage

Pharmaceuticals

Personal care

al care Home care

**Durables** 



Transport & logistics



Industrial Chemical



Retail



A4 & cut-size



Security & brand protection



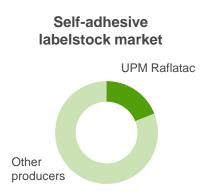
Tyre

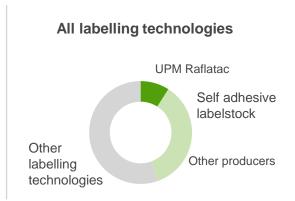
### **UPM Raflatac**

## The self-adhesive labelstock market



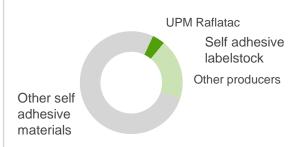
- >EUR 10bn global market
- ~3-4% p.a. growth
- Private consumption driven
- Largest of the labelling technologies
- <25% of total self adhesive materials markets







#### All self adhesive materials



#### **UPM Raflatac**

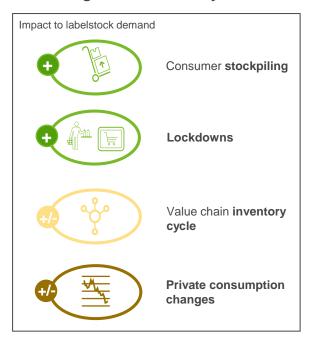
## The labelstock markets have solid long term demand growth trends – short term can be more volatile



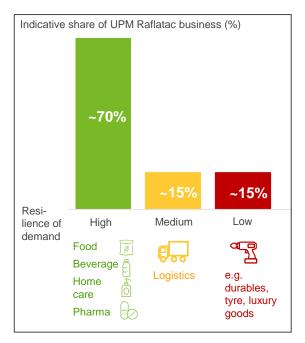
The long term demand growth outlook remains a solid 3-4% p.a.



## However in the short term the demand changes can be more dynamic



## The demand of UPM Raflatac's end use portfolio is relatively resilient





### **UPM Specialty Papers**

## **Growth expected to continue in main markets**



#### LABEL & RELEASE

Market development forecast, CAGR 2021-2026

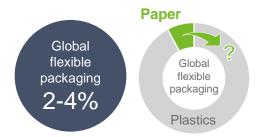
Global release liner ~4%

Global label face papers 2-3%

### **UPM Specialty Paper**

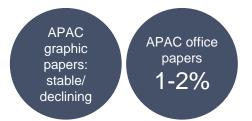
Leading position in growing global label and release paper markets \_

### PACKAGING PAPERS



Selective approach in consumer packaging area. Well positioned for future growth.

### **APAC FINE PAPERS**



One of the leading players in office papers, focused niche player in graphic papers

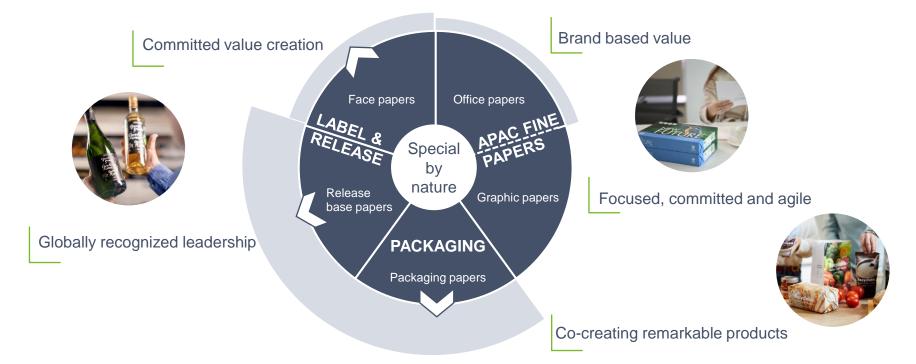
Source: AWA, Pira, UPM

### **UPM Specialty Papers**

## **UPM Specialty Papers GROWTH STRATEGY**



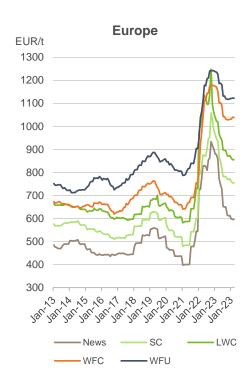
We co-create a future beyond fossils with renewable, recyclable and remarkable papers

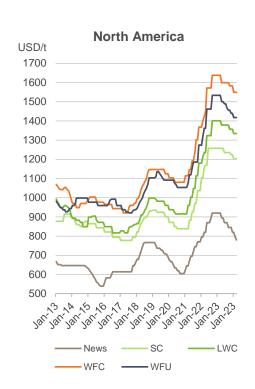


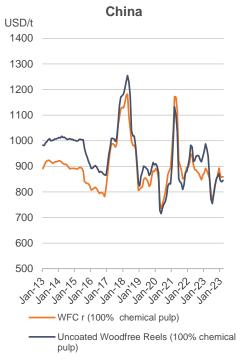
### **UPM Communication Papers**

## **Graphic paper prices**







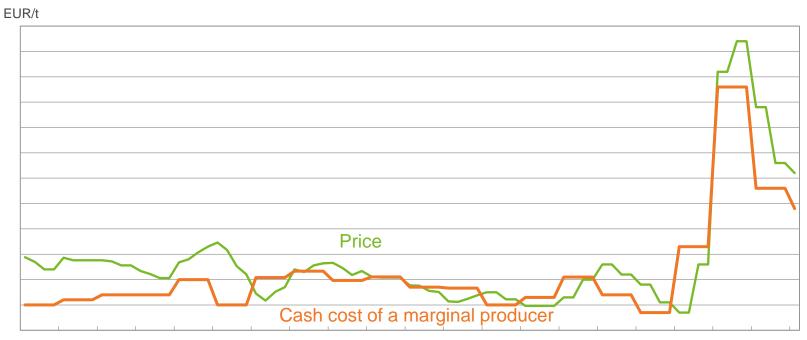


Sources: PPI, RISI

### **UPM Communication Papers**

## UPM

## Paper price vs. cash cost of marginal cost producer



2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024

### **UPM Plywood**

## **UPM Plywood focuses on three end use segments**



#### Construction



#### **UPM's position and direction**

- Leading position in high and medium range standard products in Europe through well established distribution network providing easy access to WISA® plywood
- Uncompromised sustainability, certified products and operations
- New growth sought by strengthening position in selected emerging markets

Vehicle flooring



#### **UPM's position and direction**

- · Leading position in Europe
- Competitive edge built on smoothly running operations and needs-based product design creating value to both vehicle manufacturers and operators
- Growth sought by expanding to new markets and related end use segments

LNG shipbuilding



#### **UPM's position and direction**

- Leading supplier in LNG plywood
- Competitive edge based on right quality and accurate on-time deliveries
- Long term commitment and benchmark service level
- Focus to secure leading position in LNG carriers and to extend offering into related applications using the same technologies (e.g. land storage tanks)

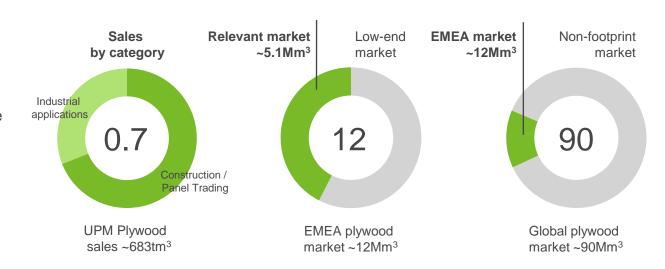
**UPM Plywood** 

## UPM's key markets are in the high and mid segments primarily in EMEA region



### **Strategic choices**

- Demanding industrial applications
- 2. High and medium range standard products
- 3. Selected customers
- EMEA region and LNG business globally



## Moving forward with biofuels growth plans

## Basic engineering phase of a next generation biorefinery



Potential industrial scale biofuels biorefinery



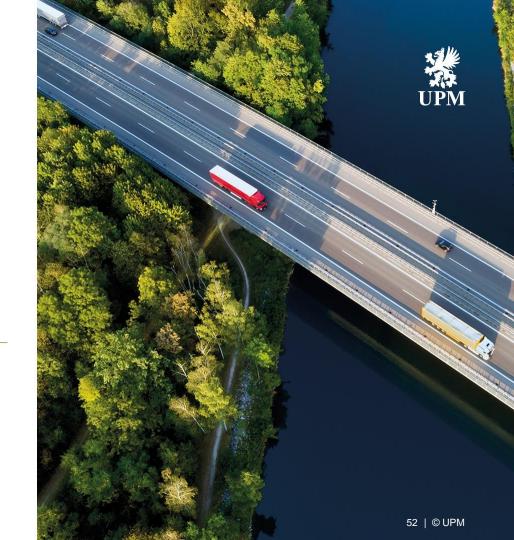
Products would significantly reduce carbon footprint in the road transport and aviation



Capacity would be up to 500,000t of renewable fuels incl. sustainable jet fuel

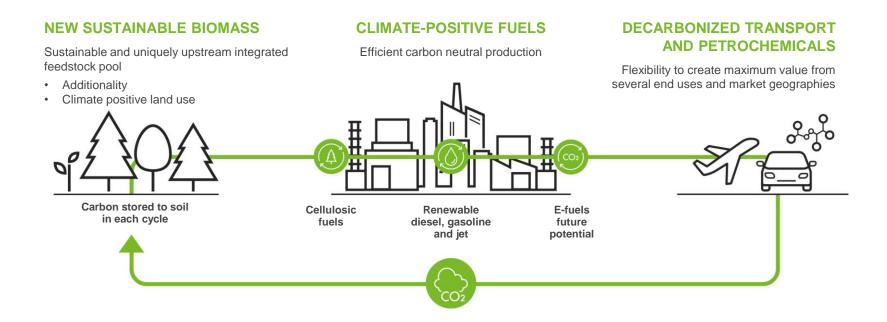


Potential investment in Rotterdam, the Netherlands.



## UPM Biofuels' competitive edge to be built on resilient ecosystem and agility to select markets





## UPM and hydrogen – growth opportunities in large-scale green hydrogen solutions

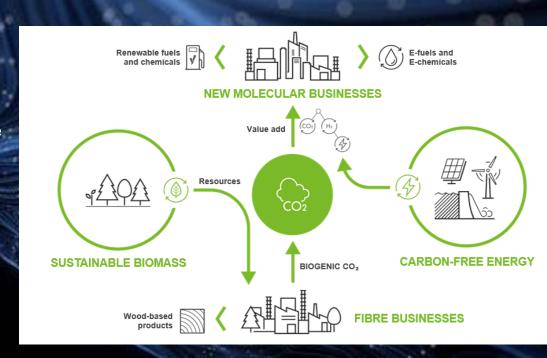


Decarbonisation will require synthetic fuels and new low-emission electricity generation

 demand for e-fuels will be driven by regulation and EU's target to decrease dependency on Russian fossil fuels

### **UPM** has competitive advantage

- experience and in-depth knowledge on energy markets
- decarbonisation and energy optimization tools and skills
- experience on biorefinery operations
- available biogenic CO<sub>2</sub> needed in the production of some e-fuels



## CREATING THE FUTURE

UPM

UPM CAPITAL MARKETS DAY
5 SEPTEMBER 2024

**VENUE:** 

LSEG (London Stock Exchange Group) and through a webcast

# UPMBIOFORE BEYOND FOSSILS