

UPM Changshu

ENVIRONMENTAL AND SOCIETAL RESPONSIBILITY

LAMANARA TALASIANAL

UPM Changshu

UPM Changshu paper mill is situated at Changshu Economic & Technological Development Zone against south bank of Yangtze River, approximately 90 km west of Shanghai. The mill is a subsidiary of UPM - Kymmene Corporation.

Founded in 1995, the mill started its operation in early 1999. Currently, the mill has three paper machines producing both wood-free fine paper and specialty paper. Pulp, used as the main raw material for paper-making, is exclusively sourced from sustainably managed forests. In fine paper production, calcium carbonate is used as a filler of paper and kaolin is applied for coated paper as a pigment. Filler is not used in the production of specialty paper grades.

The mill is also equipped with auxiliary facilities including an in-house thermal power plant, a fresh water plant and a wastewater treatment plant. These facilities supply electricity, steam and fresh water for paper-making and purify the wastewater and other wastes from the production processes. Water used for paper production is taken from the Yangtze river. The water is purified before being discharged back into the river.

In addition to the paper mill, UPM Changshu site accommodates other two UPM units, UPM Asia R&D Centre and the UPM Raflatac label plant. The scope of this report includes UPM Asia R&D Center which was merged with paper mill in 2012, but excludes the UPM Raflatac label plant.



2020

UPM Changshu Environmental and Societal Responsibility 2020 is a supplement to the Corporate Environmental and Societal Responsibility Statement of UPM's pulp and paper mills (available at www.upm.com) and provides mill-specific environmental and societal performance data and trends for the year 2020. The annually updated mill supplements and the UPM Corporate Environmental and Societal Responsibility Statement together form the joint EMAS Statement of UPM Corporation. The next Updated UPM Corporate Environmental Statement and also this supplement will be published in 2022.

UPM delivers renewable and responsible solutions and innovates for a future beyond fossils across six business areas: UPM Biorefining, UPM Energy, UPM Raflatac, UPM Specialty Papers, UPM Communication Papers and UPM Plywood. As the industry leader in responsibility we are committed to the UN Business Ambition for 1.5°C and the sciencebased targets to mitigate climate change. We employ 18,000 people worldwide and our annual sales are approximately EUR 8.6 billion. Our shares are listed on Nasdaq Helsinki Ltd. UPM Biofore – Beyond fossils. www.upm.com

Production capacity	1,220,000 tonnes			
Personnel	1,136			
Products	Office Paper: UPM Jetset® UPM Jincopy UPM Copykid® UPM Colorm UPM Yes® UPM Horizo UPM Office® UPM Sohu® UPM Future® UPM Excelle	ax [®] UPM Finesse Classic Gloss n [®] UPM Finesse Bulky Matt UPM Fine UPM Fine	Specialty Paper: UPM Brilliant [™] UPM Blue [™]	
Certificates	EMAS - EU Eco Management and Audit Scheme ISO 14001 - Environmental Management System ISO 45001 - Occupational Health and Safety Management System ISO 9001 - Quality Management System ISO 50001 - Energy Management System PEFC [™] Chain of Custody - Programme for the Endorsement of Forest Certification FSC [®] Chain of Custody - Forest Stewardship Council CFCC - China Forest Certification Council Jiangsu High Technology & Innovation Enterprise China Work Safety Certification level II All certificates can be found from UPM's Certificate Finder (available at www.upm.com/responsibility) >Principles and Performance > Certificate finder			FSC C014719 For FSC products, visit www.fsc.org
Environmental labels	China Green Label for copy paper Singapore Green Label for copy paper			
Awards	China Green Factory 2020 China Water Efficiency Frontru	nner 2020		Cert. No.: 05508P1054001R1



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2 Environmental and societal responsibility 2020

Review of year 2020

UPM Changshu paper mill is committed to continuously improving its environmental and societal responsibility performance. As a worldclass paper maker, environmental protection and sustainable develop ment are key cornerstones of our everyday activities.

Achievement of target

The environmental targets set by the mill for 2020 have all been achieved. The mill did not have any environmental deviations affecting the external environment. Environmental targets include but are not limited to Clean Run deviations, environmental risks observation, energy and water reduction. Mill safety and occupational health targets were also fulfilled at a good level.

Continuous improvement in 2020

The mill's environmental emission levels were within the optimum ranges as indicated by Best Available Techniques (EU BAT BREF 2014). Despite good results, efforts continued to be made in 2020 in order to further reduce emissions as well as water and energy consumption.

In total, seventeen actions to save water were realized without major investments in 2020, these brought a significant reduction in water use. In addition to the water saving actions, several modification projects were carried out to cut air and water emissions. At the mill jetty, a purification system was built to collecting initial rainwater and water containing coal dust. It was taken into use in June 2020. At the power plant and PM3 areas, the phase II construction project to collect initial rainwater in case of emergency situation, for example chemical leakage into rainwater canal, was also completed. In paper machine workshop, two natural gas burners were modified to reach the super-low nitrogen oxide emission limits.

The above-mentioned environmental improvement actions have generated excellent results. The mill's total annual water consumption was reduced by 1.12 million cubic meters despite a 4% production increase in 2020, specific process wastewater decreased 14.1% per tonne of paper, and total nitrogen (TN) as well as total suspended solids (TSS) in wastewater were 16% and 9% less than in year 2019, respectively. We have also achieved a significant improvement in air protection as the acidifying gas was 24% lower compared to 2019. The mill's specific energy consumption per tonne of paper was reduced 2.7% in 2020. Nevertheless, the future energy structure development and renewable energy studies are on-going.

Awards and recognitions

In 2020, the mill was awarded as Green Factory by China Ministry of Industry & Information Technology and Water Efficiency Frontrunner by China Ministry of Water Resources.

Annual dialogues with representatives from mill's neighboring villages were carried out, with positive feedback. The mill did not receive any complaints about environmental protection throughout 2020 from any organizations or individuals.

Environmental Monitoring

The following environmental monitoring activities are performed in the mill area:

A. Sampling of Yangtze River water quality nearby the mill by Changshu Water Bureau on a bi-monthly basis and sampling by Suzhou Ecological & Environmental Bureau on a monthly basis

- B. Measurement of mill wastewater - pH, COD, TSS, BOD₅, P, N, NUL Nuclear land (1) the mail
 - NH₄-N and colour (daily by mill laboratory)
 - flow, pH, COD, NH₄-N, TN and TP (24h-7d/w non-stop by on-line meters)
 - pH, COD, TSS, BOD₅, P, N, NH₄-N, AOX, and colour (monthly tested by third party)
 - All elements above are sampled by the authority quarterly or at random
- Mill area rainwater is tested quarterly by third party
- C. Air emission (mill boiler stack) – SO₂, NOx, particulates and CO₂
 - (24h-7d/w non-stop measurement)
 SO₂, NOx, and particulates
 (quarterly sample tested by third party and randomly by authority)
- D. Quarterly test were done for the mill border noise by third party
- E. Randomly site inspections by local environmental authority



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Mr. Steven Wang Mill EHS Director



Mr. Jukka Saarelainen Mill General Manager

Responsibility figures 2020

Waste **99.9%**

of mill solid waste is reused, recycled or incinerated with heat recovery.

O process waste

to landfill was achieved in 2020.



Energy

Specific energy consumption per tonne of paper was reduced

2.7%

in 2020.

Air



24%

of acidifying gas was cut in 2020.

Water



Mill total process water consumption reduced



even with a 4% production increase. And 14.1% reduction of process wastewater achieved per tonne of paper in 2020. There were also consequently 16% of total nitrogen and 9% of total suspended solids decrease comparing with 2019.

Certified Fibre





of fibre used in paper production was FSC[®] and/or PEFC[™] certified. UPM's target is to use only certified fiber by 2030. **Employment**



1,136 personnel

directly employeed by UPM Changshu mill. In addition, there were 270 full-time service people and 58 interns working at UPM Changshu mill site.

Supply chain



99.7%

of raw materials spend was covered by UPM Supplier and Third Party Code (wood not included).

Community

Due to the COVID-19 pandemic, societal activities at school and community were on pause in 2020. Instead,

16.9 tonnes of copy paper

was donated to 16 hospitals in Wuhan and

15,000 medical masks

to Changshu government and Changshu Customs.

Health



Annual health check covered



and zero occupational illnesses was reported in 2020.

Safety



25% decrease of TRI*

was achieved comparing to 2019.

- 99.2% of safety incident handled within 6 weeks from initial reporting.
- 96% actions closed where proactive actions were required as a result of all incidents, safety walks etc. carried out in 2020.
- *TRI: total recordable injuries





Annual contributions to China government was



Including:

- State taxes (Corporate income tax)
- Local taxes (Real estate tax, Land use tax, Land value-added tax, Environmental protection tax, Stamp duty and Local levies)
- Customs duty on imported materials and equipment
- Individual income tax and social security contributions for UPM China employees
- (indirect contributions through employment)



UPM Changshu Mill's power plant is a combined heat and power (CHP) plant. It is equipped with two coal fueled boilers rated at 241t/h each and four gas boilers rated at 56t/h each. The power plant produces electricity and steam for paper production. In supplement to the in-house capacity, external electricity and steam are occasionally purchased to cover any shortages. The gas boilers are only used occasionally for steam production during the overhaul of the coal-fueled boilers.

The coal-fueled boiler's flue-gas is purified through denitrification, desulphurization and particulate removal processes. This flue-gas purication system performed very well during 2020, resulting in less air emissions. Two small natural gas burners in the paper machine workshops have been rebuilt to reach China's super-low NOx emission limits.

In China, local and national authorities limit air pollutant emissions for industrial enterprises by the total volume and unit concentration, as specified in the tables on the right side. The emission quotas were based on the mill's existing boiler capacity and authority

permitted limits of pollutant concentration. Quotas were reduced slightly to exclude the emission of minor outlets during the license renewal in 2020.

Air emission quota permits 2020 (t/a)

Nitrogen oxides, NOx	435.1
Sulphur dioxide, SO ₂	217.6
Particulates	86.9

Super-low air emission permit (*mg/nm³)

Nitrogen oxides, NOx	50
Sulphur dioxide, SO2	35
Particulates	10

*Hourly limit values for thermal power plant emissions required by government

The designed capacity of the mill's wastewater treatment plant (WWTP) is $26,400 \text{ m}^3/\text{d}$. The processes mainly consist of pre-sedimentation, bio-activated sludge stage, anoxic denitrification and finally the disc filtration processes.

Water

The wastewater treatment plant continues to maintain excellent operation throughout the year, and most of the wastewater pollutant indicators were significantly lower than the permit values in 2020. However, two water related improvement systems were still constructed. The first system collects all wastewater on mill jetty floor, and the second system is designed to collect rainwater for further purification before discharge from the power plant and PM3 areas in case of chemical leakage.

Limits for both the quantity and the concentration of the water pollutants for industrial enterprises are set by local and national Chinese authorities (quantity is set by local authority on bases of production capacity and concentration is specified in the table 3 of "Discharge Standard of Water Pollutants for Pulp & Paper Industry", standard code







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Remark 1: Above measurements are done according to Chinese standards which are derived from ISO standards, but they might not be fully comparable Remark2: NOx are monitored by measuring NO and calculated into NO₂









— Permit limit





GB3544-2008). After the PM3 modification project was completed in 2019, COD and TSS quotas were updated in discharge license in 2020.

Water pollutant quota permits (t/a)

Chemical oxygen demand, CODcr	408.18
Total suspended solid, TSS	81.64
Total nitrogen, TN	54.63
Total phosphorus, TP	2.732

Water pollutant concentration permits (*mg/l)

Chemical oxygen demand, CODcr	50
Total suspended solid, TSS	10
Total nitrogen, TN	10
Total phosphorus, TP	0.5

*Hourly average values stipulated in Standard GB3544-2008



EFFLUENT FLOW



Solid waste from the mill is mainly derived from boiler ashes, waste packaging and maintenance waste. Waste is 99.9% reused, recycled or incinerated with heat recovery, and a small amount of non-recyclable waste is landfilled. The landfill site is located 30km west of the mill. The site is rented and operated by a private company with a legal license. The combustible non-hazardous waste from the mill is incinerated in an external power plant with energy recovery. Hazardous waste is treated by qualified environmental companies in compliance with relevant laws and regulations. A majority of effluent sludge is incinerated by the mill's in-house boilers as biofuel. Trial is continued for using effluent sludge to make construction material.

In response to the new domestic waste classification rules promulgated by local government in June 2020, the mill updated and implemented the solid waste handling procedures. SOLID WASTE



Remark: The weights included in the figures are dry weights. The rate calculation of waste reused, recycled or incinerated with heat recovery has covered all recyclable waste, nonrecyclable waste, hazardous waste and side-product.

Organizational structure and emergency organization

Changshu Mill's organization structure and emergency response team are well defined with responsible persons nominated according to government regulations. Emergency response procedures are also established and communicated with all employees in response to any kind of emergencies such as fire, environmental deviation, safety accident, individual injury as well as natural disaster. The goal is to achieve a quick response and to minimize the losses possibly caused by emergency incidents by means of immediate and well-organized reactions. Under the mill emergency management organization, there is an emergency response team (ERT) whose members come from each workshop and shift. Annual wastewater emergency drill was carried out to respond to sudden, but unlikely, wastewater deviation.

In addition, there are designated representatives responsible for the integrated management system (occupational health & safety, environment, quality and energy).



UPM Changshu Mill Social Responsibility

UPM places emphasis on economic, social and environmental responsibility in its daily operations, and aims to be a leader in sustainable development. UPM Changshu Paper Mill attaches great importance to social responsibility.

In 2020, the global pandemic and related lockdowns caused an abrupt and severe economic shock challenged all societies and businesses. With decisive measures we ensured the safety of UPM employees and business continuity.

Occupational health and safety

UPM Changshu Mill is committed to developing a world-class safety culture and being a safe, fair and responsible employer. Safety is the priority of our daily work, and is put in the first place in any circumstances at any time. All UPM employees, suppliers, contractors and visitors are required to strictly comply with UPM safety standards. Rigorous management and trainings are conducted to avoid accidents and to provide a safe working environment. In 2020, Changshu mill has achieved a 25% reduction of Total Recordable Injuries (TRI).

In 2020, UPM Changshu mill was recognized with UPM CEO Jussi Pesonen's safety recognition award for the fight against COVID-19, and for the valuable learnings and its best-practices were shared within UPM all over. The learnings shared helped other UPM units find practical measures to prevent the virus.

At the start of the COVID-19 outbreak in China in early 2020, UPM Changshu mill took strong protective measures quickly: an coronavirus response team was established, responsibilities were determined, risks and impacts were analyzed and monitored. UPM Changshu mill ensured the health and safety of our employees and third parties, including contractors, suppliers and visitors. The active and effective practices of UPM Changshu mill were highly acknowledged by the local government.

In June 2020, UPM Changshu Mill held "UPM Safety and Health Week" as usual. During 2020, activities were organized mostly online. The purpose was to review safety performance and recognize positive developments, share practice and better strengthen safety and health awareness, while aiming to establish a long-term safety culture.

In September 2020, UPM Changshu Mill organized the first "Environmental Week" to demonstrate UPM's commitment to a future -Beyond Fossils and to further enhance the Clean Run and environmental protection awareness of UPMers.

In 2020, UPM Changshu mill was awarded as the "Top Employer in China" for the ninth time and Mercer China Healthiest Workplace (Excellent Health Leader) for the third consecutive time. This is a recognition of UPM's long-term commitment to developing a safe, healthy and inspiring working environment in which people can participate and grow as professionals.

UPM focuses on long-term career development, emphasizing performance and employee engagement. The smooth two-way communication stimulates staff professionalism, 47.5% of employees in China have worked for UPM for more than 10 years, while more than 18.6% of employees in China have been with the company for more than 20 year.

Due to COVID-19 situation, recreational clubs for employees or public welfare activities were not organized in 2020.

SUPPLIER MANAGEMENT INFORMATION	
Total number of contracted suppliers	172
 Direct raw material suppliers 	45
 Other material and service suppliers 	112
- Transportation service providers	15
Number of suppliers been audited on-site in 2020 (including 8 TfS* audits)	22
Number of suppliers to be audited in 2021	21

*TfS: Together for Sustainability (TfS), a joint initiative and global network of chemical companies, delivers the de facto global standard for environmental, social and governance performance of chemical supply chains. UPM joined TfS initiative in 2018 and scaled up the supplier evaluation with TfS network in 2020.





UPM donates masks to Changshu local government for COVID-19 prevention



UPM Changshu mill holds the first "Environmental Week"



UPM actively supports UWC's "Circular Economy and Innovation" school-enterprise interactive teaching activities

Contribution to local society

In February 2020, availability of masks became one of the most serious challenges in the fight against coronavirus. UPM Changshu mill actively took social responsibility and kept a close eye on the virus combating situation of Changshu city. With the help of group sourcing team and the UPM Finnish mills, UPM Changshu mill donated 15,000 medical masks to the Changshu municipal government and Changshu customs. This donation did not compromise availability of masks for UPM employees. At the same time, 1,445 boxes of copy paper were donated to 16 hospitals in Wuhan, Hubei province to support their battle against the virus. UPM Changshu mill also played an important role in making sure the recommended anti-virus medications reach the market by prioritizing the production of UPM Fine paper for the patient information leaflet.

In December 2020, UPM supported the "Circular Economy and Innovation" schoolactivities of the United World Colleges (UWC) Changshu China. The objective was to inspire students to apply the concept of a circular economy to the curriculum and develop innovative solutions for a more sustainable campus.

Due to COVID-19 pandemic, the "Green Future" project, "Green lifestyle" information sharing, "Blue April" products as well as other volunteer activities were not organized in 2020. In the "2020 Golden Bee CSR · China Honour Roll", UPM China was recognized as "Ecological Civilization" company, becoming a pioneer role model in practising Corporate Social Responsibility.

Stakeholder engagement

UPM's compliance with laws and regulations - in particular, competition and anticorruption laws – lays a solid foundation for us as a trusted business partner, and our responsible and ethical practices create long-term value for both UPM and its stakeholders.

Supplier audits are an integral part of responsible sourcing. UPM revised the "Supplier and Third-Party Codes" in 2020, which defines the minimum compliance requirements for suppliers in terms of responsibility including environmental impact, human rights, labour practices, health and safety, and product safety. Suppliers' environmental and social performance is monitored through regular data collection and analysis.

The year 2020 marks the 70th anniversary since the establishment of diplomatic relations between China and Finland. This year, UPM has actively supported a number of China-Finland exchanges and cooperation activities. As Finland's largest single investment project in China, UPM has been deeply committed to China for more than 20 years and has played a prominent role in promoting economic and cultural exchanges, environmental protection and sustainable development in both countries. In the future, UPM will continue to enhance its own innovation capabilities, and drive the sustainable development here in China.

UPM promotes responsible practices throughout the value chain and is actively finding sustainable solutions in co-operation with its customers, suppliers and partners. Guided by "Beyond Fossils" strategy, inspired by the limitless opportunities of the bio-economy, UPM is delivering renewable and responsible solutions, and innovating for a future beyond fossils.



Mr. Pasi Hellman (left), the Consul General of Finland in Shanghai visited UPM Changshu mill on November 23rd, 2020

Environmental parameters 2020

The figures related to production as well as raw material and energy consumption are published as aggregated figures on group level in the UPM Corporate Environmental Statement.

		2018	2019	2020
Production capacity	Wood-free fine and specialty paper	1,400,000 t	1,400,000 t	1,220,000 t
Raw materials and additives	Pulp Fillers and coating pigments Chemicals for paper production Others	See UPM Corp	porate Environmental ar	nd Societal
Energy	Fossil and biomass-based fuels Purchased power	Responsibility Statement for more information		rmation
Emissions to air	Particulates	31 t	11 t	13 t
	Sulphur dioxide, as SO ₂	76 t	86 t	81 t
	Nitrogen oxide, as NO _x	263 t	201 t	166 t
	Carbon dioxide, as CO2 (fossil)	911,715 t	946,342 t	950,868 t
Water intake	Process and cooling water including power plant use	10,583,540 m³	11,133,921 m ³	10,273,704 m ³
	Municipal water	331,387 m ³	372,491 m ³	107,550 m ³
Discharges to water	Clean cooling water	237,250 m ³	237,250 m ³	237,900 m ³
-	Process effluent volume	6,653,232 m ³	6,636,141 m³	5,911,987 m ³
	BOD₅	22.9 t	33.4 t	40.4 t
	CODcr	165 t	147 t	143 t
	Solids	52 t	47 t	44 t
	Phosphorus, P	0.5 t	0.4 t	0.4 t
	Nitrogen, N	18 t	22 t	18 t
Side-product	Ammonia sulfate	3, 138 t	3,684 t	4,336 t
Non-hazardous waste ¹⁾	Waste to recycling, energy recovery and or composting (see below for breakdown)	74,779 t	71,312 t	78,676 t
	– Boiler ash	66,202 t	63,952 t	68,865 t
	– Sludge	1, 128 t	778 t	3,263 t
	– Wood waste	255 t	259 t	262 t
	– Paper and board	3,876 t	2,841 t	2,142 t
	- Metals	2,389 t	2,567 t	2,533 t
	 Other recycling waste 	648 t	620 t	1, 159 t
	– Domestic waste	281 t	295 t	245 t
	Waste to landfill	323 t	157 t	30 t
	 Construction and maintenance waste 	303 t	157 t	30 t
	 Production process waste 	20 t	0 t	0 t
Hazardous waste	Hazardous waste	105 t	159 t	177 t
Land use	Total use of land	185 ha	185 ha	166 ha ²⁾
	Total sealed area	51 ha	52 ha	52 ha
	Total nature-oriented area on site	134 ha	133 ha	114 ha

¹⁾ All waste are dry weight. ²⁾ Total use of land includes the land used by Walki Packaging Company and UPM Raflatac Label Plant. Part of mill spare land was returned to government in 2020.



Performance against the targets in 2020

TARGET	ACHIEVEMENT	COMMENTS
1 Clean Run deviations		Actual results
– Category 5 (severe) = 0	Yes	0
- Category 4 (major) = 0	Yes	0
- Category 3 (medium) = 0	Yes	0
− Clean Run observations ≥ 150 reports	Yes	151
2 Occupational, health and safety		
 Number of lost time accident (LTA) = 0 case 	No	One LTA occurred
3 Jetty wastewater collection project implemented	Yes	A system was built on the mill jetty to collect initial rain- water, floor flushing water and sanitary waste for further purification before discharge. Project was completed in June 2020.
4 Mill-wide energy and water reduction versus 2019 results		Saving actions and high machine runnability helped greatly for reducing water and energy consumptions in 2020.
- Electricity reduction by 0.5% per unit product	Yes	3.2% actual reduction
- Steam reduction by 0.5% per unit product	Yes	2.5% cut reached
- Water usage reduction by 2% per unit product	Yes	14.1% saving realized

Targets for year 2021

TARGET	MEASURES	RESPONSIBLE PERSON
TARGET	MEASURES	RESPONSIBLE PERSON
1 Clean Run deviations - Category 5 (severe) = 0 - Category 4 (major) = 0 - Category 3 (medium) = 0 Clean Run near misses - Category 2 (moderate) ≤ 1 - Category 1 (minor) ≤4	Improving all employees' environmental awareness by annual training sessions and launch of "Environmental Week" activities.	All employees
2 Occupational, health and safety - Number of total recordable injuries (TRI) ≤ 2	 More measures shall be taken to improve all employees and contractors' safety understanding and awareness. Close follow up of safety observations, safety walks and near miss report. E-learning will be more widely used for safety trainings. 	All employees
3 Low incoming COD load debottleneck project implemented at WWTP	The preliminary plan is to make aeration power adjustable and install sludge agitators to follow the incoming COD load varia- tions. This project is aiming to minimise the risk of effluent plant sludge expansion, to avoid COD emission exceeding the permit.	Energy & Utility manager
4 Mill-wide energy and water saving targets versus 2020 results		Production managers
 Electricity reduction by 0.5% per unit product Steam reduction by 0.5% per unit product 	 Consolidate the results gained in previous years and develop new potential savings opportunities. 	
- Water usage reduction by 2% per unit product	 Water saving optimizations proposed and realized in the coming years. Changshu Mill water usages are significantly lower than local standards. 	



Revalidation Statement

As an accredited environmental verifier (FI-V-0001), Inspecta Sertifiointi Oy has examined the environmental management system and UPM Changshu mill Environmental and Societal Responsibility 2020 statement as well as the information concerning UPM Changshu mill in the Updated UPM Corporate Environmental and Societal Responsibility Statement 2020.

On the basis of this examination, the environmental verifier has herewith confirmed on 2021-03-31 that the environmental management system, the UPM Changshu mill Environmental and Societal Responsibility 2020 statement and the information concerning UPM Changshu mill in the Updated UPM Corporate Environmental and Societal Responsibility Statement 2020 are in compliance with the requirements of the EMAS Regulation (EC) No 1221/2009.

We reduce the world's reliance on fossil-based materials by developing renewable and responsible products and solutions in all our businesses. **UPM Biofore – Beyond fossils.**

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