

UPM BIOFORE
BEYOND FOSSILS



UPM EUCA

UPM PULP

UPM EUCA FROM URUGUAY: SUSTAINABLE, CONSISTENT, SECURE

Our bleached eucalyptus kraft pulp UPM Euca is supplied from two modern pulp mills located in Uruguay. The 2.1 million tonne capacity Paso de los Toros mill in central Uruguay started operations in 2023, adding to the 1.3 million tonne capacity of the Fray Bentos mill in southwestern Uruguay. These two mills offer our customers the same stable quality UPM Euca with reliability and security of supply.

At both mills consistent raw material from traceable sources, state-of-the-art production technology – delivered by the same main machinery supplier – excellent mill availability and strict process controls along the entire production process result in improved quality stability.



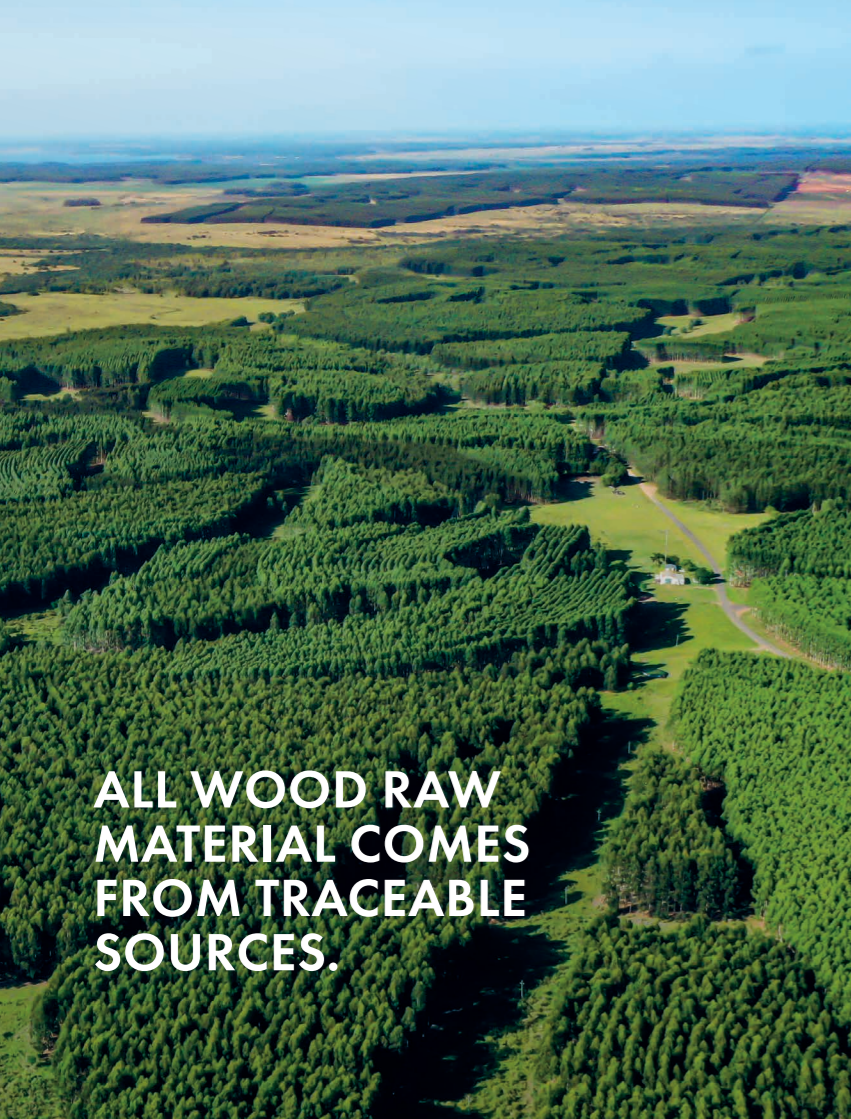
Two world class pulp mills with a combined production capacity of 3.4 million tonnes a year



Highly specialised, fit-for-purpose deep sea pulp terminal



Direct rail connection from the Paso de los Toros mill to Montevideo port.



**ALL WOOD RAW
MATERIAL COMES
FROM TRACEABLE
SOURCES.**

SUSTAINABLE PLANTATIONS

Operated by UPM since 1990, our plantations in Uruguay are carefully planned and planted commercial forests that produce high-quality eucalyptus wood. The plantations are managed by UPM Forestal Oriental on company-owned and leased land and established on grasslands that were formerly used for cattle grazing.

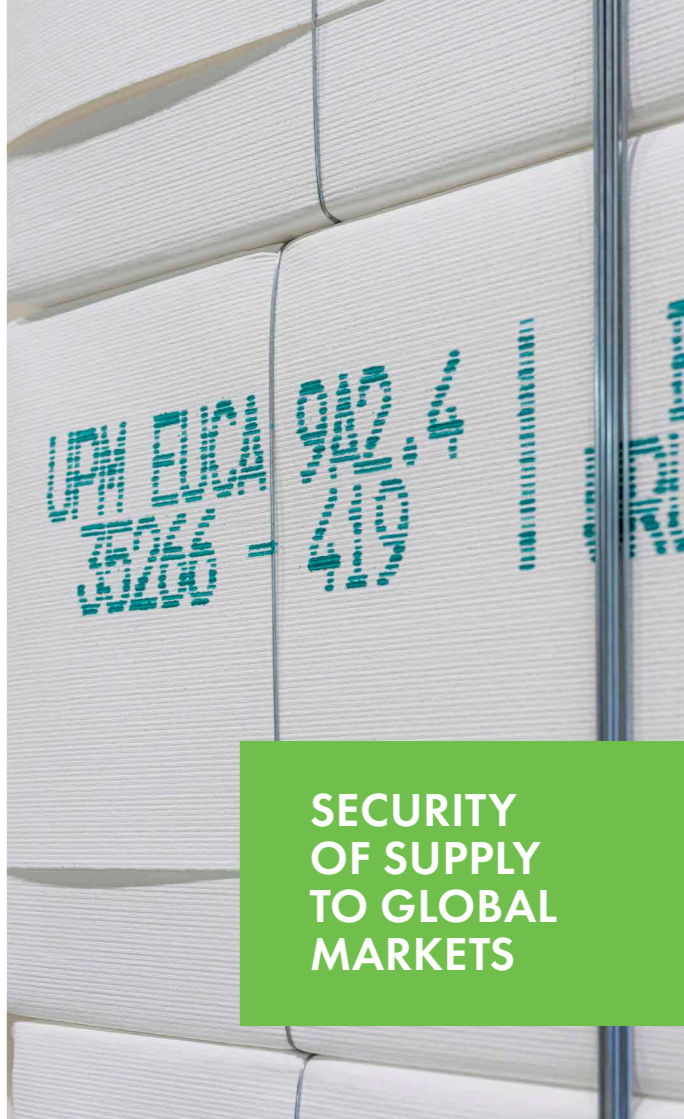
All wood is sourced from sustainably managed local plantations. UPM does not convert natural forests or fertile food production soils into plantations, and none of our actions result in any deforestation. All UPM plantations are certified or in the process to become certified according to the FSC® (SGSCH-FM/CO20173) and PEFC (UY11/20080091) forest management schemes.



WORLD CLASS LOGISTICS

As part of its investment in the Paso de los Toros pulp mill, UPM built a pulp specialised deep sea terminal in the port of Montevideo. Operating 24/7 throughout the year, the terminal is used for receiving, handling and storing pulp and chemicals for pulp production. With direct rail access from the mill to the port, the terminal creates an efficient supply chain to world markets.

A professional and competitive logistics organisation is in place to handle pulp deliveries reliably also from the Fray Bentos mill. The pulp is transported to the deep sea port of Nueva Palmira by river barge to be loaded onto transatlantic vessels bound for global markets.



**SECURITY
OF SUPPLY
TO GLOBAL
MARKETS**

UNIQUE PULP QUALITY

UPM Euca is an optimal blend of two main Eucalyptus wood species – E. grandis and E. dunnii – which combined provide a unique set of pulp and papermaking properties to the end product. This combination together with a careful raw material selection determine the UPM Euca pulp properties to a large extent.

Eucalyptus grandis has more slender fibres which enable faster refinability, improved bonding and higher tensile strength along with a higher fibre number resulting in excellent optical properties. Eucalyptus dunnii has higher basic density and thick walled, less collapsible fibres which provides bulk and easier dewatering properties.

When the qualities of these two wood species are properly combined, the result is a pulp with the papermaking properties desired by customers from many different segments. The pulp production process is well adjusted and controlled in order to produce stable high brightness pulp with low brightness reversion and excellent cleanliness characteristics.

UPM Euca fit for various end-use segments

TISSUE

- High initial tensile strength
- Good bulk at given tensile level
- Good softness

BOARD

- High brightness
- Good refinability
- Good smoothness

SPECIALTY GRADES

- High cleanliness
- High brightness
- Balanced strength properties

PRINTING & WRITING

- Good strength
- Good dewatering
- Balanced optical properties

TECHNICAL EXPERTISE AT YOUR SERVICE

UPM's technical experts are based at our mills and in main markets. By working closely with the production, sales and global R&D teams they can offer high quality technical expertise to support our customers' needs.

UPM's research centres and facilities in China, Finland and Uruguay form a strong network that also includes technical institutes, academia, machine suppliers and other partners.

We offer services covering advanced tools such as fibre furnish optimisation studies, refining and trial support, troubleshooting and customer specific projects and studies. These add up to basic services such as pulp quality reporting and benchmarking, technical data and claim handling.

CONSTANT DEVELOPMENT

The development of UPM Euca has its roots in our tree breeding programme and our work on UPM's own nurseries, providing high-quality seedlings for plantations. The aim is to enhance wood yield and fibre quality, while ensuring that trees adapt to different forestry sites and climate conditions.

The development of process efficiency is carried out at our UPM Fray Bentos R&D Lab. It covers the pulping, bleaching and drying phases as well as wood chemistry and fibre properties. The facilities are used for the evaluation and selection of clones (commercial deployment), evaluation of the wood supply to the mill and for mill process development studies.



