# How UPM Communication Papers addresses climate change



# Working to improve our product carbon footprint

#### **UPM ComPapers' actions** • Supplier and supply chain Renewable energy development How much does each Toe procurement • Reducing supplier emissions contribute to the CF? by 30% What is a carbon footprint? Sustainable transportation: • Renewable energy Carbon footprint (CF) is an indicator of sustainable sea vessels, production the amount of greenhouse gases (GHGs) **Toe 4:** Toe 6: e-trucks and rail traffic • Improving mill energy emitted in producing and delivering a CO<sub>2</sub> emissions CO<sub>2</sub> emissions from efficiency good or a service. It is a single figure, production of virgin or related to purchased where all GHGs are expressed as an recovered fibre electricity and steam equivalent amount of carbon dioxide (CO<sub>2</sub>e). We use the CEPI Framework for Carbon Footprints for Paper & Board Products to communicate the CF of our To learn more about products. UPM considers fossil CO2 our climate actions emissions in our product carbon please click the arrow. footprint. Look to the right to see how much every stage contributes to CF. Our product Toe 5: Toe 7: Toe 3: related carbon footprint consists of **Toe** CO<sub>2</sub> emissions from production $CO_2$ from pulp and Transport-3-7 or the so-called CFPI Ten Toes. of non-wood raw materials related CO<sub>2</sub> paper production

### A carbon footprint can help focus on where we need to concentrate our efforts in order to reduce the footprint

#### Limits of a carbon footprint



The calculation is based on well-intentioned assumptions.



A CF alone does not indicate the overall environmental superiority of the product.



A product CF only reflects the sum of CO<sub>2</sub>equivalents of certain activities.



emissions

CFs are not directly comparable unless they are calculated to the same basic conditions and assumptions.



A CF is only a snapshot in time but does not indicate how a product contributes to further reducing global warming. A product carbon footprint cannot cover all our climate efforts!

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## Our climate actions



#### Offsetting

Offsetting emissions can lead to overall lower emissions. With **UPM**CO<sub>2</sub>ACT and **UPM**CO<sub>2</sub>ACT<sup>+</sup> customers can compensate the carbon footprint for the production of their order or its entire value chain.



#### **Demand Side Management**

We compensate the volatile wind and solar power by matching our production to their availability. This stabilizes the public grid and reduces the cost of electricity for all.



#### **Product carbon storage**

Books or archived products stored over a long period of time act as a temporary carbon storage; recycling ensures that the carbon is kept out of the atmosphere as long as possible.

### **Circular economy**

We minimise waste and reuse side streams.



We are one of the world's largest user of recovered paper for the production of graphic papers.



#### **Municipal district heating**

We provide municipal district heating in some communities near to our production sites.



We always grow more forest than we harvest and we manage our forests in a way to grow well and to remain as a carbon sink in the long term.



#### Forest carbon storage

We ensure that carbon stocks in forests remain stable or even increase through sustainable forest management, forest certification and the traceability of fiber.



We pursue zero solid waste to landfill by 2030.

We use our major side stream ash for example in the concrete industry.

# We are committed to reducing our CO<sub>2</sub> emissions by 65% by 2030 and to helping to limit global temperature rise to 1.5 °C.

#### Science-based targets and transparent performance complement our climate actions



UPM committed to the Science Based Targets Initiative. It helps companies to set targets, which contribute to the mitigation of climate change in a realistic time frame.



In December 2021 CDP, a global non-profit organisation, recognised us on a Forests A List for tackling deforestation, with a score A- in water security and in climate for tackling climate change. We are one of a few high-performing companies out of nearly 12,000 that were scored with an A in the forest category.

#### **#MADEOFSUSTAINABILITY**

To help prevent climate change, we are changing. Read more on our website:

