



DOUBLING THE VALUE FROM WOOD WITHOUT HARVESTING MORE TREES

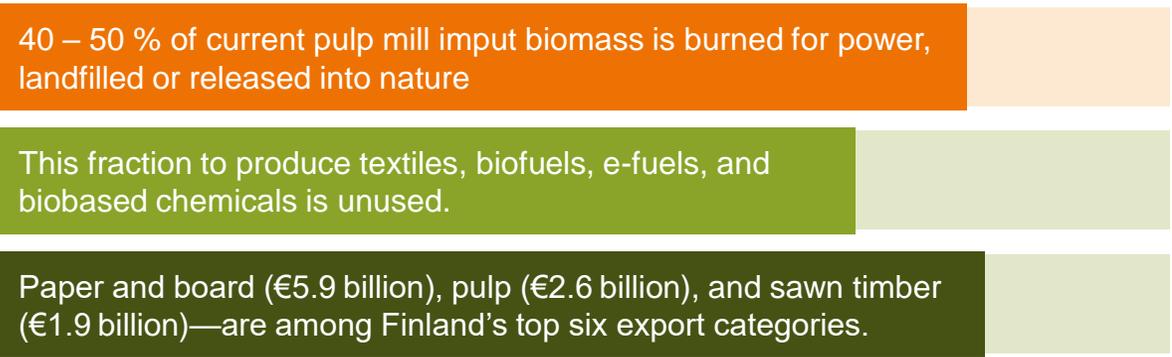
BioCircleToZero – VETURI PROGRAM

ROADMAP

ANDRITZ

CHALLENGE: UNLOCKING THE UNUSED POTENTIAL OF FINNISH FORESTS

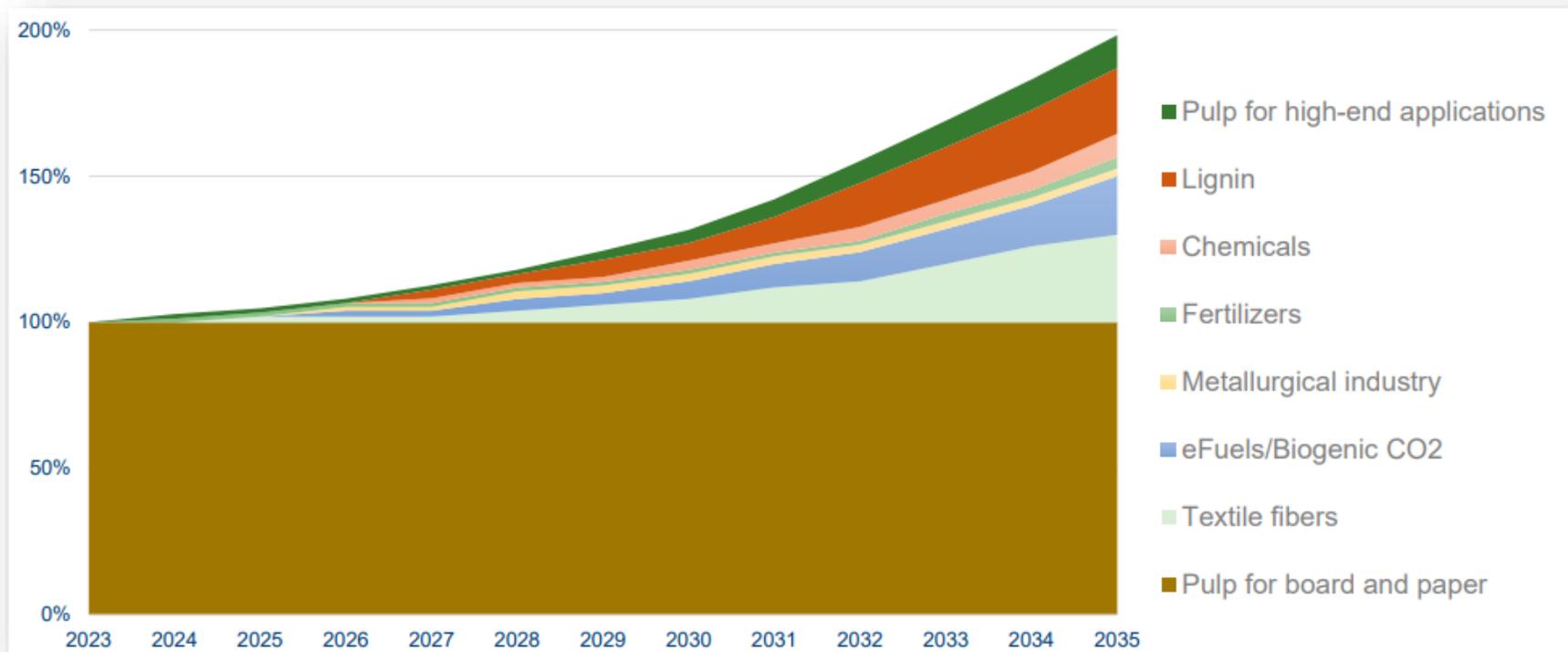
Finnish forests are a valuable but limited resource, and protecting their biodiversity is essential. To create a more resource-efficient and sustainable forest products industry, we must develop and commercialize high-value bio-carbon products. In long-term this will also support Finland's global position in the forest industry and drive economic growth.



MISSION: DOUBLE VALUE FROM WOOD WITHOUT HARVESTING MORE TREES



To maintain Finland's global position in the forest industry and drive economic growth, we must support the industry in tapping into this unused potential



LET'S GO: ANDRITZ-LED BIOCIRCLEZERO R&D PROGRAM IS SELECTED AS BUSINESS FINLAND VETURI PROGRAM IN 2025



Our commitment

“At ANDRITZ, we are committed to helping the forest products industry drive the green transition while ensuring its long-term competitiveness.”

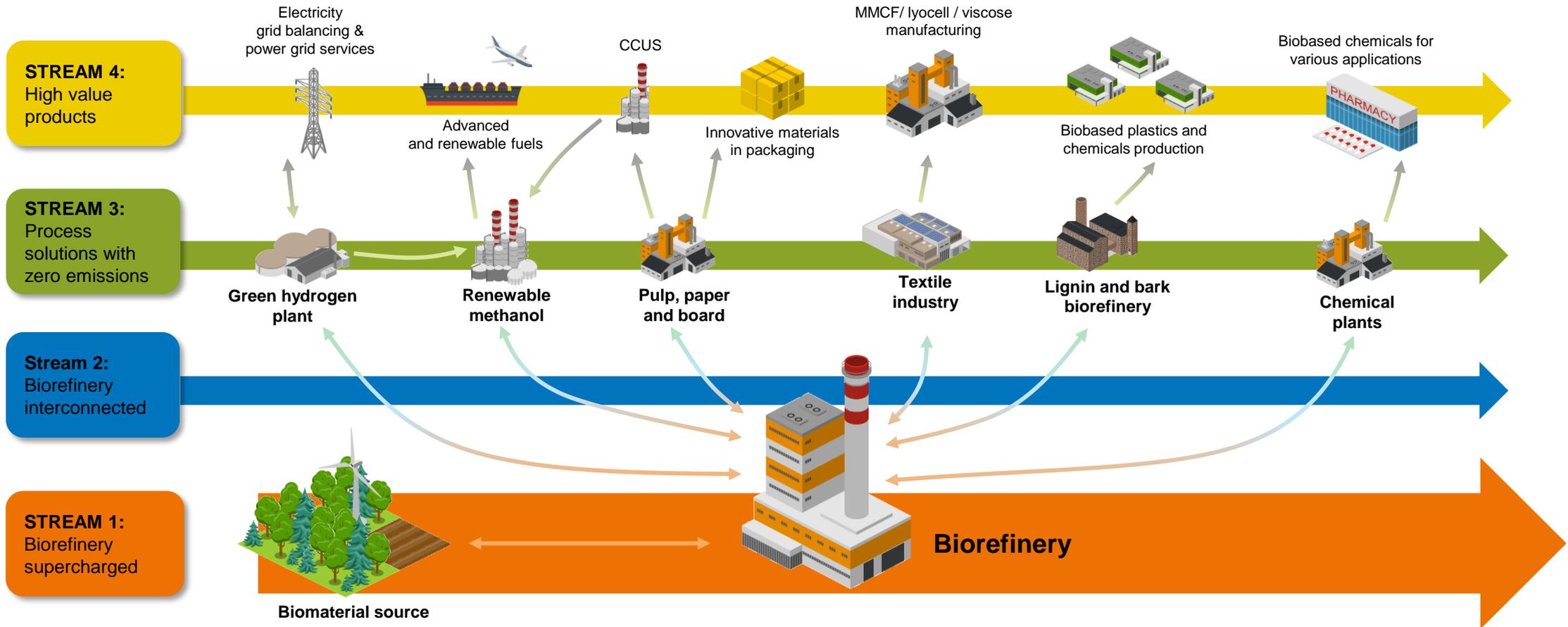
Kari Tuominen, President & CEO, ANDRITZ Oy

Funding

- Business Finland has granted ANDRITZ 10 million euros in funding for the BioCircleToZero program.
- An additional 20 million euros will be provided by Business Finland to partners contributing to the program.



TARGETING FOR A MORE RESOURCE-EFFICIENT FOREST INDUSTRY



ROADMAP



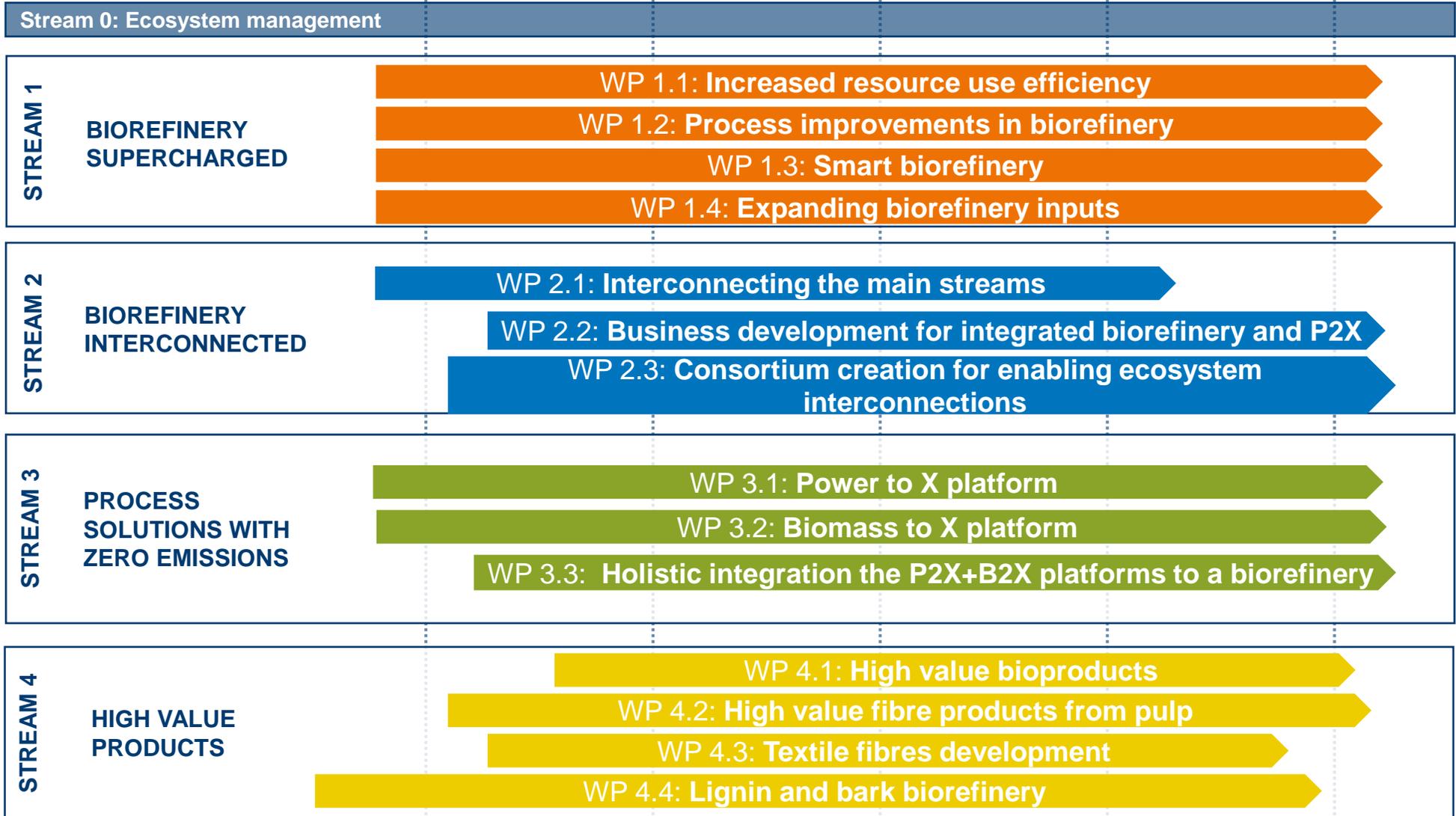
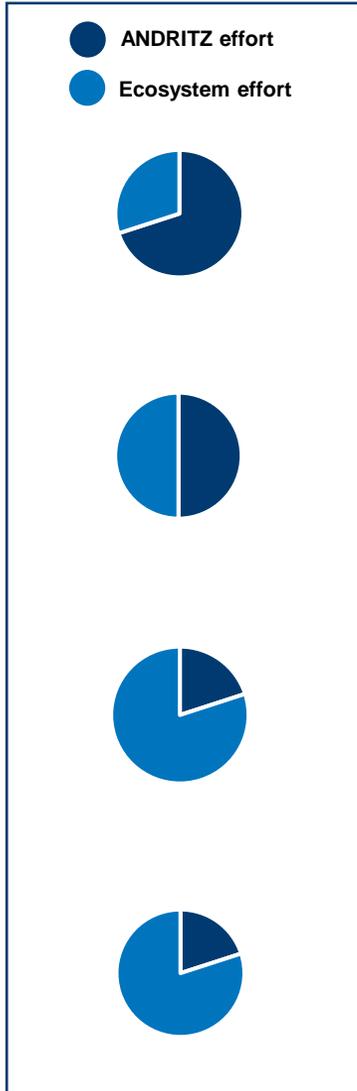
2025

2026

2027

2028

2029





KEY OBJECTIVES OF THE PROGRAM

1. Enhancing utilization of underutilized stream materials

The program focuses on optimizing the use of biomass and renewable electricity to create new high-value products and services, reducing emissions and waste.

2. Developing new technologies and processes

The program aims to innovate and implement new technologies for biorefineries, including advanced digitalization, automation, and integration with other industries.

3. Creating a sustainable biorefinery ecosystem

The program seeks to establish a collaborative ecosystem involving industry leaders, research institutions, and innovative companies to drive the green transition and enhance the competitiveness of the Finnish forest products industry.

4. Reducing environmental impact

The program aims to achieve zero emissions and zero waste in biorefinery operations, contributing to global environmental sustainability



JOIN US ON THIS JOURNEY TOWARDS ZERO-EMISSIONS



Would you like to join the ecosystem as a partner?

ANDRITZ's BioCircleToZero program brings together Finnish industry, research, and innovators to develop sustainable biorefinery solutions that boost the forest sector's competitiveness.

Running from 2025 to 2030, the program is open to partners and offers up to €20 million in Business Finland funding to support innovation and growth.

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