

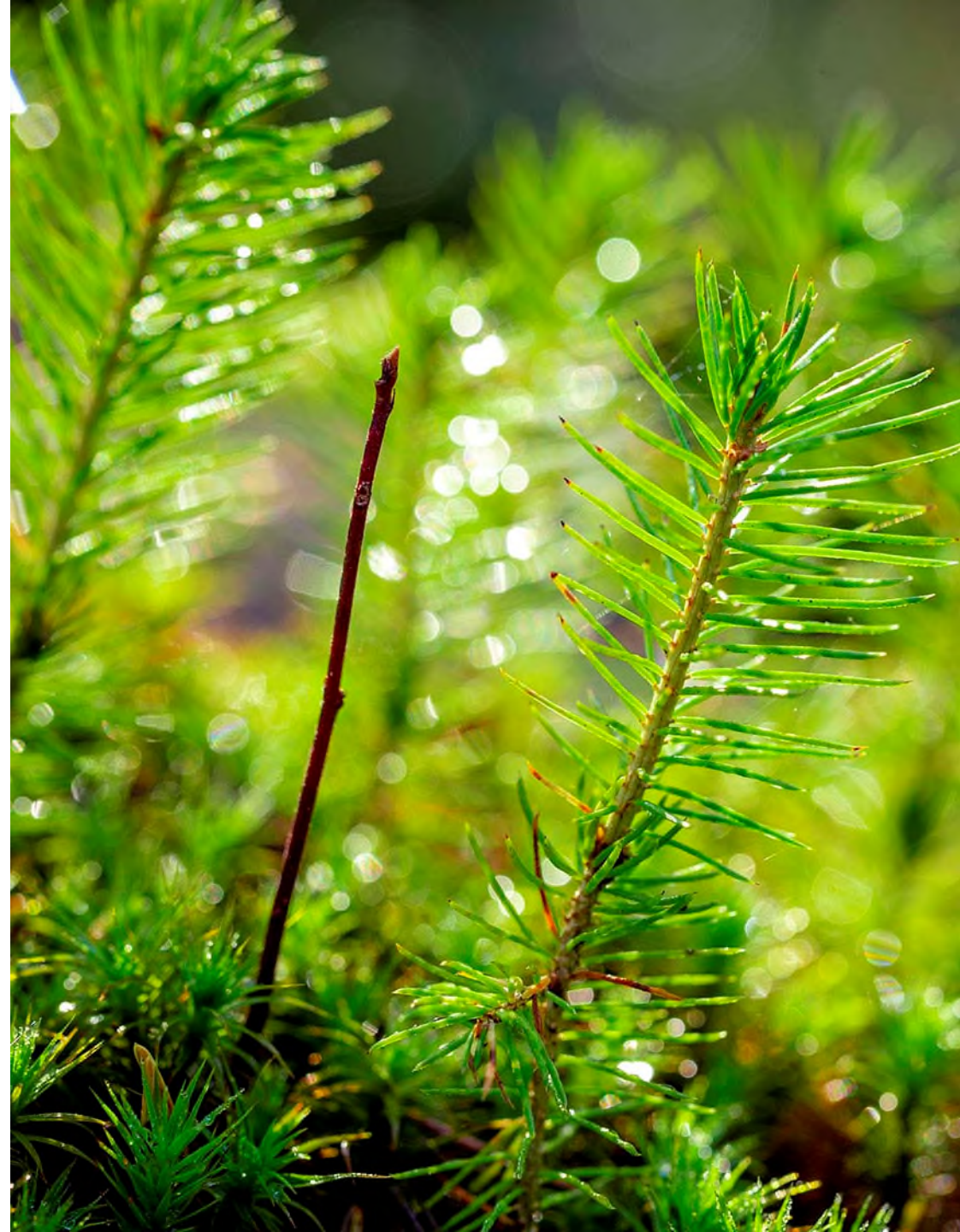
Forest sector as a solution to the EU Green Deal targets: Finnish Forest Industry's Climate roadmap

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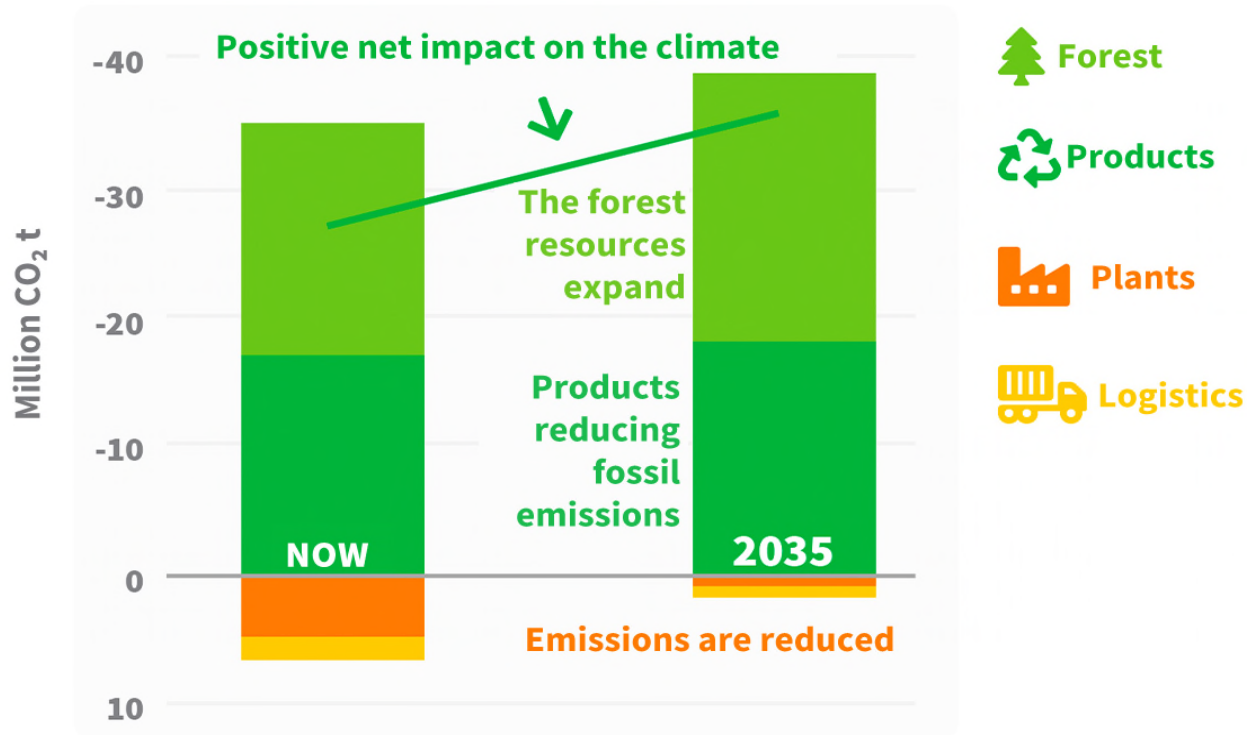
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Finnish Forest Industries



Forest industry's solutions for Green Deal targets and carbon neutral Finland 2035

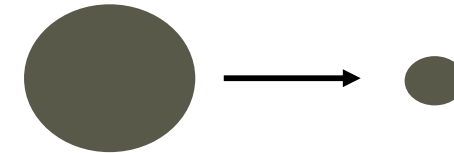


- The climate benefits of Finnish wood-based products estimated by VTT, one of Europe's leading research institutions
- Forests growth potentials estimated by LUKE, Natural Resources Institute that monitors natural resources and produce data on greenhouse gases
- Emission reduction potentials estimated by Afry, an engineering and consulting company operating across the globe

Fossil-free mills are realistic

- Fossil emissions are the main reason to climate change
- The forest industry may be close to zero fossil emissions by 2035
- The industry is already far into the process of phasing out the use of fossil fuels – 87 % are renewable

What?



2020: 3 MtCO₂

2035: 0,3 MtCO₂

How?

🌲 **Electrification and energy efficiency measures**

🌲 **Replacing peat**

🌲 **Replacing natural gas**

🌲 **Replacing fossil oil**

The forest industry's renewable products offer climate-friendly options

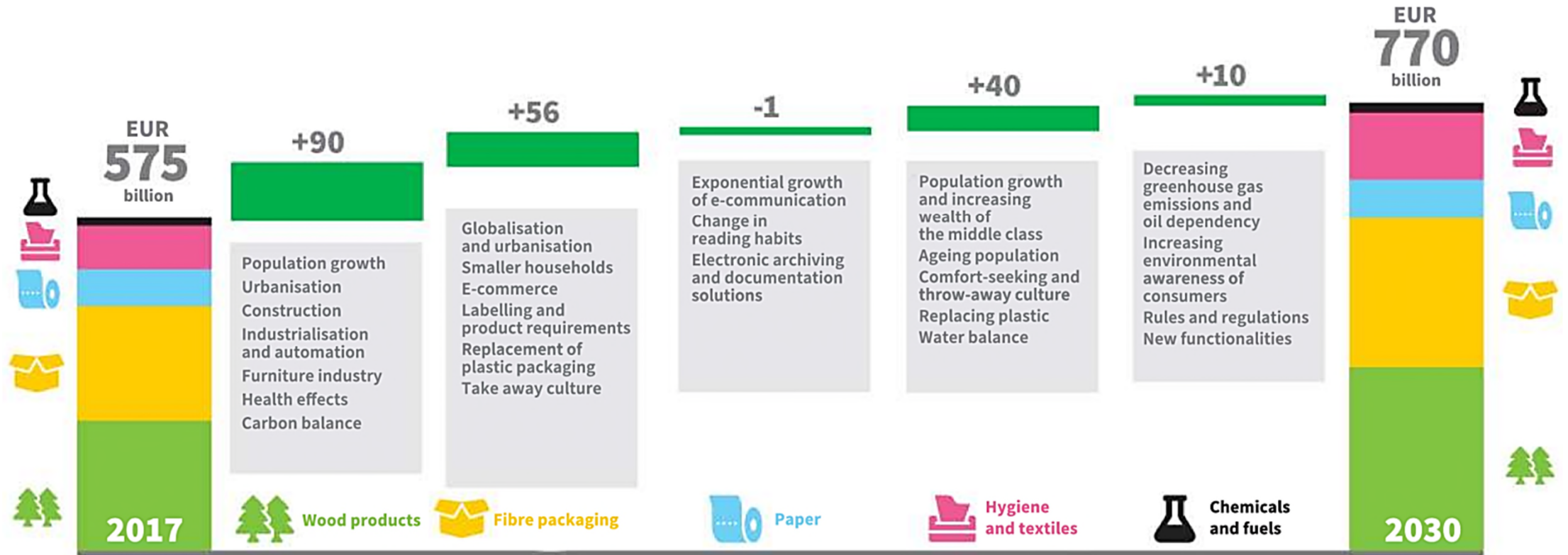
The positive annual climate impact of products

> 16MtCO₂/a
(2020–2035)



- Our products help mitigate climate change by replacing fossil intensive products
- Our products provide over 16 million tonne of CO₂ benefit globally per year
- This is over 5 times more than fossil emissions at forest industry's mills

European forest industry has potential to respond to expanding global markets of wood-based products

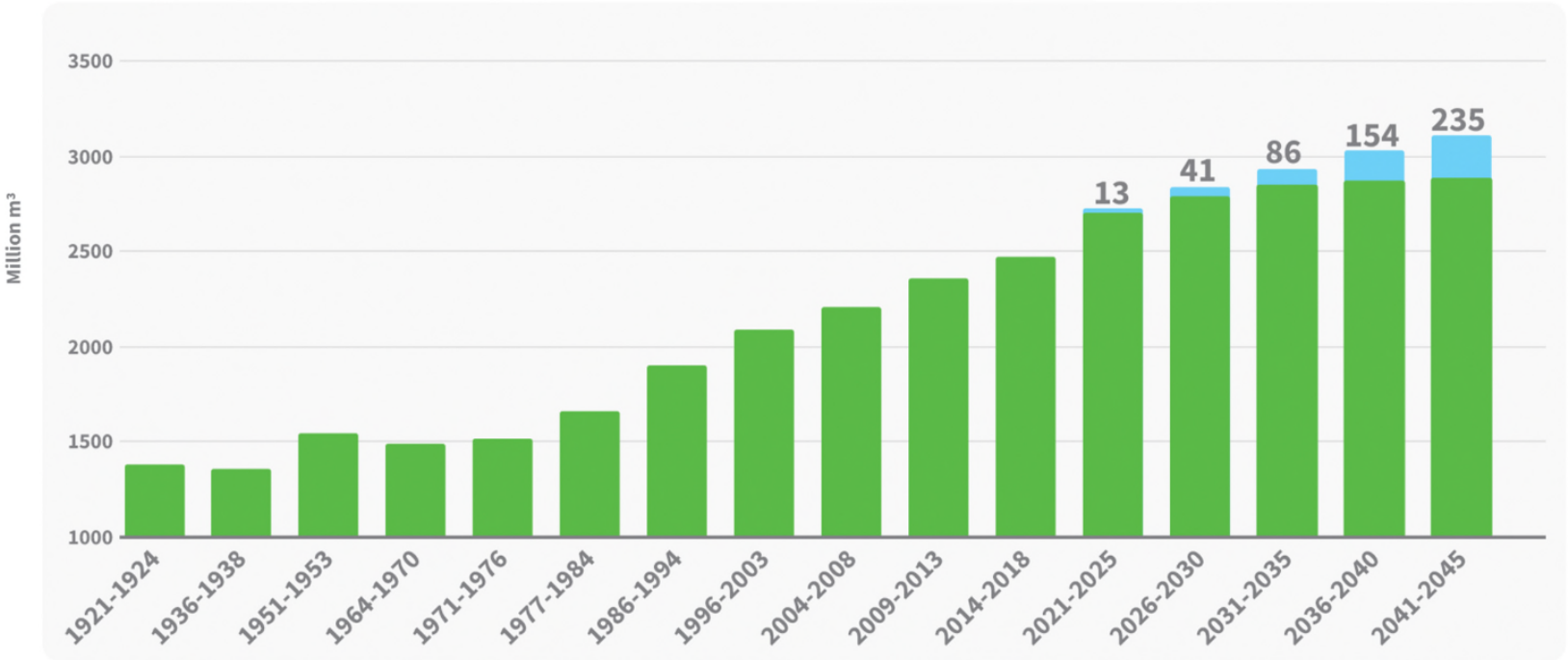


Source: Pöyry/The global markets and growth potential for forest industry products in 2030 – a 2018 report

Active and timely forest management is a key to increase forest growth



Volume of growing stock



Change in the volume of growing stock



Increase in forest management

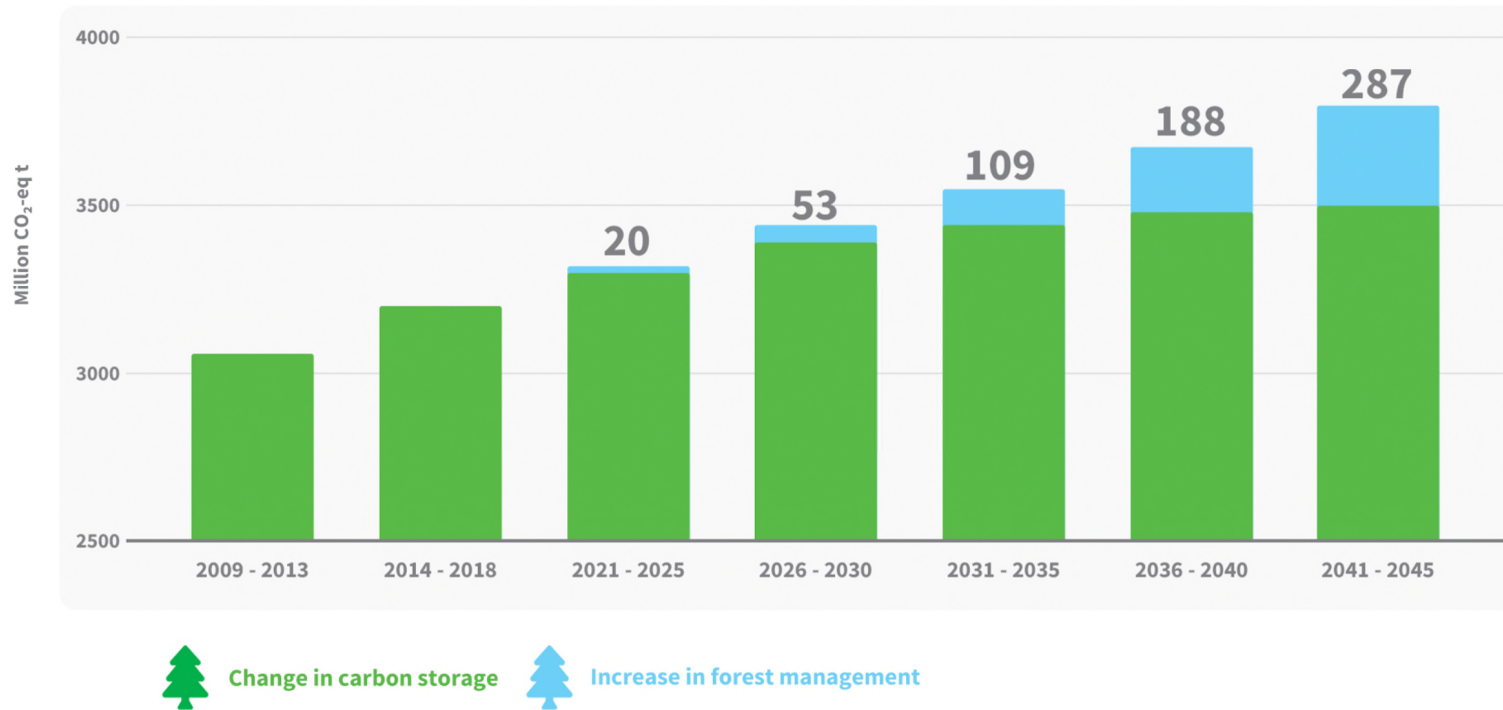
- Forest resources can be further increased through
 - Timely, active and long-term forest management
 - Afforestation
 - Using improved regeneration material

Stronger growth also in the forest carbon storage



Carbon storage in growing stock

Scenario average for carbon sink in growing stock 23.7 million CO₂-eq t

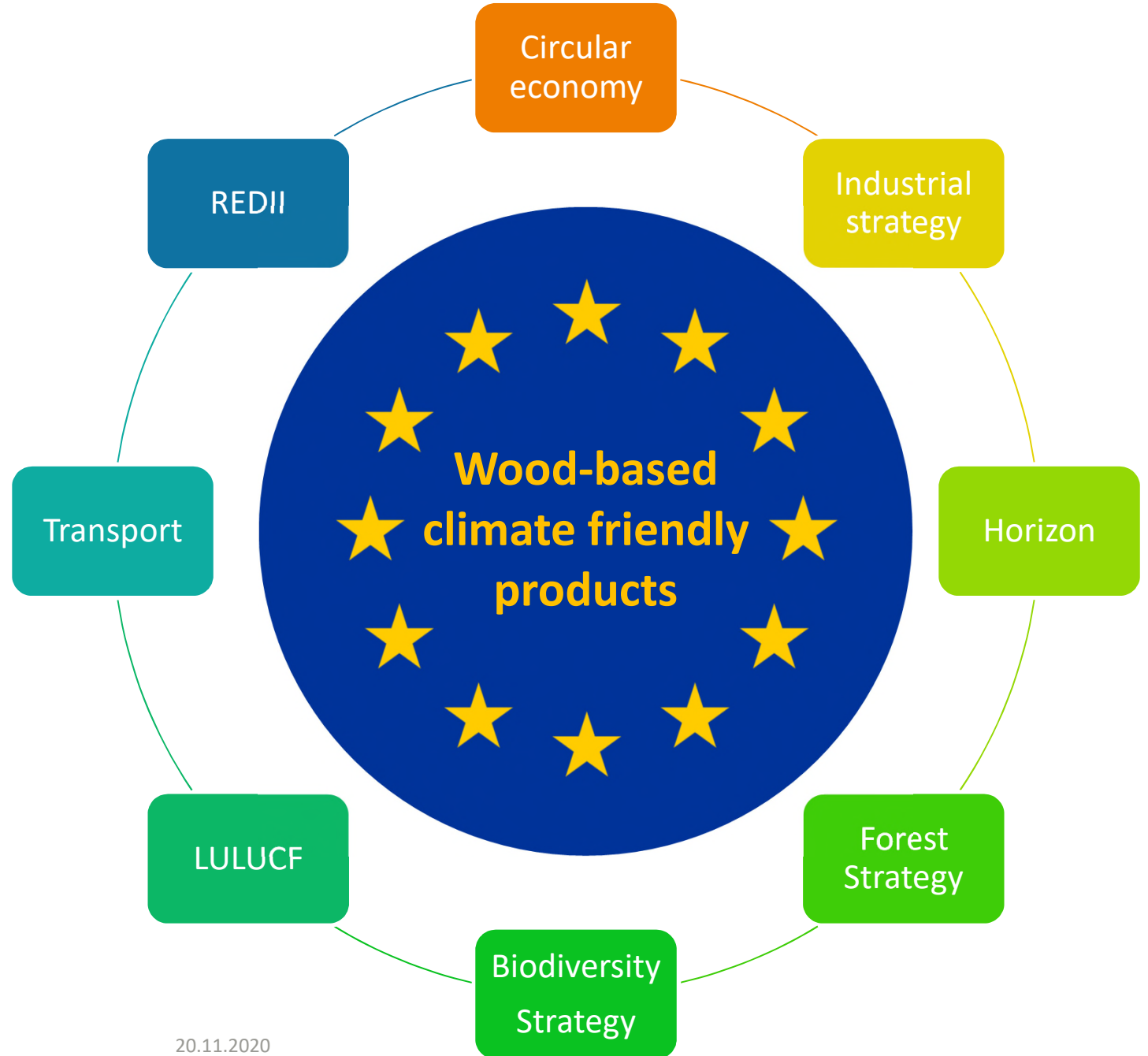


- Increased forest resources in turn result in significant carbon storage growth
- Maintaining the health and growth of forests with forest management is an affordable and efficient climate policy
- This requires an operating environment that supports forestry and the forest industry

Wood-based products offer huge climate benefits

EU policies need to take this into account

So far renewable materials are the best kept secret in EU files



Existing and new innovative solutions from forest industry

