Heräjärvi H., Taylor A., Mutanen A., Tolvanen M., Pykäläinen J. (2026). Effects of wood products substitution on fossil carbon emissions in Finland, the European Union, and the world. Silva Fennica vol. 60 no. 2 article id 25043. https://doi.org/10.14214/sf.25043

Supplementary file S1

Table. Projections for wood product volumes in Finland for 2020-2040 (Maanavilja et al. 2021).

		2020	2025	2030	2035	2040
Energy*						
Forest chips	$m^3 \times 10^6$	7.9	10.9	11.6	11.9	12.8
Forest industry by-products	$m^3 \times 10^6$	5.0	5.6	6.0	6.2	6.2
Fuelwood	$m^3 \times 10^6$	6.9	6.2	6.0	5.8	5.6
Wood pulp**	$t \times 10^6$	10.1	10.7	11.4	12.1	12.1
to packaging	$t \times 10^6$	4.3	4.6	4.9	5.2	5.2
not to packaging	$t \times 10^6$	5.8	6.1	6.5	6.9	6.9
Sawn timber	$m^3 \times 10^6$	10.9	11.6	12.3	12.4	12.4
Wood-based panels	$m^3 \times 10^6$	1.1	1.3	1.3	1.3	1.3

* Energy includes wood-based market energy. It includes the use of forest chips and forest industry by-products in heat and power plants as energy sold to markets outside the forest industry, and the use of fuelwood in small-scale housing. Mill energy produced and used within the forest industry is not included.

** Sum of mechanical and semi-chemical and chemical pulp. Pulp was allocated to packaging paper and non-packaging applications for the calculation of substitution impact, as described in Table 1.