

Metadata form of Silva Fennica

This form is designed for writing the elements of metadata, which are used in the description of research materials such as data and codes. The form is based on the work done in the Work Group “Description of research materials” under the Finnish Open Science Coordination.

Item	Description	Responsible
<i>Name of the data / code</i>	Energiapuun ja metsähakkeen toimittajakyselyn vastaukset (Responses to the survey for suppliers of energy wood and forest chips)	Author
<i>Author & ORCID</i>	Natural Resources Institute Finland (ROR: 02hb7bm88); Niinistö, Tuomas (ORCID: 0009-0006-2645-0095)	Author
<i>Authors' affiliation(s)</i>	The author working as a research scientist at Natural Resources Institute Finland. (ROR: 02hb7bm88)	Author
<i>Owner of the material</i>	Natural Resources Institute Finland (ROR: 02hb7bm88)	Author
<i>Publisher</i>	Natural Resources Institute Finland (ROR: 02hb7bm88)	Author
<i>Funder</i>	The European Union REPowerEU funding (Council of the European Union, implementing decision 15836/23)	Author
<i>Description</i>	The dataset was used to examine the current state of energy wood procurement in Finland. The data set includes the supply volumes of energy wood and forest chips to heat-only and combined heat and power plants, as well as to end-user wood terminals in 2023. In addition, the shares of different energy wood assortments were provided. Respondents divided the supply volumes into seven transport distance categories. This classification was used to investigate transport distances and to create a statistical model of energy wood procurement areas. The data was provided by 62 energy wood suppliers. The total supply volume reported by these respondents was 6,058,475 m³ of energy wood and forest chips in 2023. Additionally, some respondents provided information on the origin of the energy wood supplied and answered qualitative questions about the operational environment of energy wood supply. Respondents expressed their views on the impact of current EU policies on the supply of energy wood. They also provided information on available terminal capacity and its location in relation to the location of the plants. These questions were assessed for those respondents for whom information was available.	Author
<i>Methods</i>	Respondents were selected from public data sources, such as advertisements for the purchase of energy wood. This process resulted in a total of 158 respondents. As the total number of suppliers is unknown, the coverage of the collected data was assessed by comparing the energy wood supply volume of respondents with the recorded consumption of forest chips in 2023. Only respondents with deliveries to heat-only and combined heat and power (CHP) plants in 2023 were included in the dataset.	Author
<i>Variables</i>	- Respondent organisation (name) - Contact information (name, phone, email) - Type of supplier (description of activity in energy wood supply) - Place of energy wood or forest chip delivery (name of plant or terminal) - Delivery volume in 2023 (m³ or MWh) - Share of wood sourced from (%): 0–24.9 km 25–49.9 km	Author

	50–74.9 km 75–99.9 km 100–149.9 km 150–199.9 km Over 200 km • Share of energy wood assortments (%) • Share of wood sourced from land-use change areas by energy wood assortment (%, m³ or MWh) • Share of imported wood by energy wood assortment (%, m³ or MWh) • Terminal capacity (m³ or ha) • Asphalted terminal capacity (m³ or ha) • Wood fuel stock level at terminals in autumn 2023 (m³ or MWh) • Forest chip or energy wood stock level at terminals in autumn 2023 (m³ or MWh) • Share of terminal capacity located (%): 0–24.9 km 25–49.9 km 50–74.9 km 75–99.9 km 100–149.9 km 150–199.9 km - Over 200 km from the plant • Views on Regulation (EU) 2023/1115 on deforestation-free products (qualitative, verbal form) • Views on the Renewable Energy Directive 2023/2413/28/EC (qualitative, verbal form) • Views on wood exchanges (qualitative, verbal form)	
<i>Author keywords</i>	energy wood supply, forest chips, bioenergy, energy transition, survey	Author
<i>Vocabulary keywords (community standard)</i>	bioenergy, forest chips, fuelwood, wood procurement, wood harvesting, wood transport, forest policy	Author
<i>Discipline</i>		Archive/Repository/Publisher
<i>Type of material</i>	The research data is in both numerical and verbal format	Author
<i>Language</i>	ISO 639-1:fi	Author
<i>Time range covered</i>	2023-01-01 – 2023-12-31	Author
<i>Geographic region</i>	ISO 3166-2:FI	Author
<i>Version</i>	-	Author
<i>File format(s)</i>	xlsx	Author
<i>Availability of the materials (open, embargo, registration, limited, registration required)</i>	The data is confidential. Publication or use for other purposes than the research for which it was collected is prohibited.	Author
<i>Justification for access restrictions</i>	The confidentiality of the data and restrictions on its use are based on an agreement with the respondents of the survey on which the data are based.	Author
<i>Licence</i>	-	Author
<i>Connections with other research materials</i>	The material is based on raw data from a survey on energy wood and forest chip deliveries conducted among energy wood suppliers.	Author
<i>Access to the connected research materials</i>	-	Author

<i>Codes only: hardware/ software requirements for running the code</i>	-	Author
<i>Connections to other products of research</i>	-	Author
<i>Personal data</i>	The data includes the names and contact information of the organisations that responded to the survey.	Author
<i>Confidential or secret data</i>	The data contain confidential business information of the respondent organisations and their customers.	Author
<i>Publication date</i>	-	Archive/Repository/Publisher
<i>Preservation policy</i>	-	Author
<i>Permanent identifier (PID)</i>	-	Archive/Repository/Publisher