

## Bio-based & CO<sub>2</sub>-based Economy

# Valorisation of Wood Side Streams

45.000 tonnes of Wood  
Shavings, Sawdust and Chips  
available for further use

Applied research for your needs



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# Valorisation of Wood Side Streams

nova-Institute supports efforts to improve side stream valorisation practices in the European wood processing industry to foster the material cascade principle. One of nova-Institute's client is instantly searching for new opportunities to supply woody raw materials for further processing.

The available pine wood material (*Pinus sylvestris* L.) in the form of shavings, dust, chips and cut-offs is dried and might be further processed in pellet production, Wood Plastic Composites (WPC), Engineered Wood Products, Biorefineries or other biomass processing areas. Material incures in the countries of France, Denmark, Poland and Hungary.

We would appreciate **your offer** specified as an „ex works“ price related to a particular sample and a preferred origin-country you are interested in.

In case of interest, please send your offer or questions to [asta.partanen@nova-Institut.de](mailto:asta.partanen@nova-Institut.de) until **25th November 2018** latest.

## Wood chips and sawdust from optimisation of raw wood (cross cutting) by fraction. (Sample 1a)



> 4 mm	≤ 4 mm - > 2 mm	≤ 2 mm - > 1 mm	< 1 mm
8	26	33	33

Size distribution (% w/w)

## Wood chips and sawdust from profiling of scantlings to final components. (Sample 1b)



> 4 mm	≤ 4 mm - > 2 mm	≤ 2 mm - > 1 mm	< 1 mm
27	35	30	8

Size distribution (% w/w)

Technically, it would be possible to separate both streams if there were commercial applications for both streams.

## Wood blocks with a thickness between 19 - 50 mm and a length of 1-500 mm (Sample 2)



The cut offs contain knots, resinous wood, cracks, or other natural defects in the wood.

All side streams of wood have an average moisture content of 12% +/- 2%.

**Described fractions of side streams are available on different locations in Europe:**

North France  
South Denmark  
Central Poland  
North-West Hungary

## About nova-Institute

nova-Institute is a private and independent research institute, founded in 1994; nova offers research and consultancy with a focus on bio-based and CO<sub>2</sub>-based economy in the fields of food and feedstock, techno-economic evaluation, markets, sustainability, dissemination, B2B communication and policy. Every year nova organises several large conferences on these topics, nova has 30 employees and an annual turnover of more than 2.5 million €.

**For further information  
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