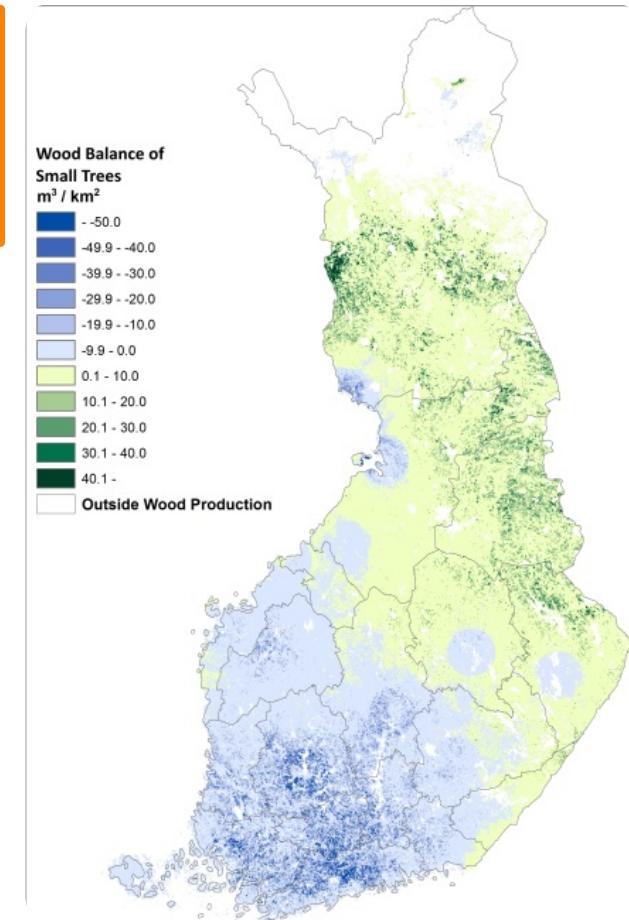


# Assessment method for energy wood biomass feedstock availability and transport costs at regional level



Spatially explicit GIS-method and a collection of tools to assess the energy wood biomass availability and transport costs at regional level to any given end-use location. In the process the technical harvesting biomass potential, local competing demand and the wood resource balance are assessed. The transport costs from the grid of supply points can be viewed as a function of transport distance. Also, different future growth and demand scenarios can be included into calculations thus providing a valuable decision support to investors of energy wood industry.

Most customer projects differ from every other project in some respect. Calculation methods need more or less adjustment.

Results from the analysis: 1. Numerical (GIS) maps of biomass potential for any given timber assortment, biomass demand and wood resource balance (e.g. balance of small trees, see picture above).

2. Graphs depicting transport costs as a function of distance. 3. Spreadsheets of the result data used for graphs. 4. Summary report of the results for the customers.

For more information, see the reference.

## PODROBNOSTI

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### IZVOR LESA

Gozd

### TIP LESA

Okrogli les

### POTENCIJAL ZA MOBILIZACIJO

Not possible to assess.

### TRAJNOST - VREDNOST

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### VRSTA OBRAVNAVANEGA LESA

Above and below ground woody biomass (ex. shrubs, wood for fibres, wood for energy), Stemwood, Industry

### ENOSTAVNOST IZVEDBE

Easy (the assessment is done by research experts, customers only need to define the basic requirements and calculation area)

### VPLIV NA OKOLJE IN BIODIVERZITETO

Medium (see above)

### ENOSTAVNOST IZVEDBE - OCENJEVANJE

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### VPLIV NA PRIHODKE

Not possible to assess.

### KLJUČNI PREDPOGOJI

Available on request for the customers in Finland only at the moment.

### POTENCIJAL IZKORIŠČANJA

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### VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

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### VOZLIŠČE

Severno vozlišče

### VPLIV NA DELOVNA MESTA

Positive, helps the customers to plan their business in a more detailed way

### GOSPODARSKI VPLIV

Positive, helps the customers to plan their business in a more detailed way

### STROŠKI IZVEDBE (EURO - €)

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### POTREBNO SPECIFIČNO ZNANJE

Comprehensive database, coding

**VEČ  
PODROBNOSTI**

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IZIV	DOMENA	TIP REŠITVE
5. Izboljšanje gospodarske in ekološke učinkovitosti gozdne oskrbovalne verige	Gojenje gozdov, gospodarjenje z gozdovi, odpornost, Modeliranje, DSS, simulacija, optimizacija ekosistemskih storitev	
	Sečnja in spravilo, infrastruktura, logistika	
KLJUČNE BESEDE	DIGITALNE REŠITVE	INOVACIJA
--	Da	Da
IZVORNA DRŽAVA	OBSEG UPORABE	ZAČETNO IN KONČNO LETO
Finska	Nacionalni	2016 -

**KONTAKTN  
PODATKI**

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**REFERENCES  
AND RESOURCES**

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SPLETNA STRAN	VIRI
<a href="https://efi.int/sites/default/files/files/events/2018/innovation_workshop-Nivala.pdf">https://efi.int/sites/default/files/files/events/2018/innovation_workshop-Nivala.pdf</a>	--
SPLETNA STRAN PROJEKTA	
--	
REFERENCA PROJEKTA	
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LOGOTIP DOBRE PRAKSE

LOGOTIP GLAVNE  
ORGANIZACIJE



PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood

DATUM OBJAVE

27 Sep 2019



[Link to Rosewood 4.0](#)



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



□