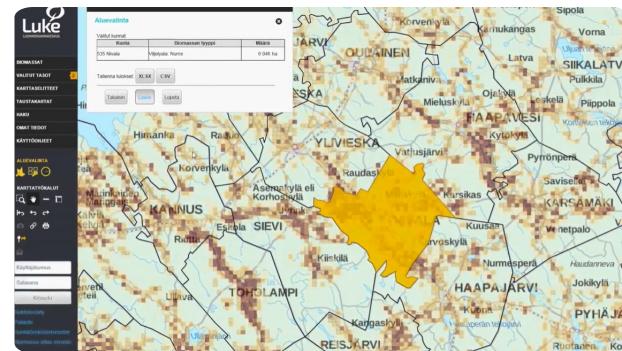


# Biomass Atlas | Web-based forest resource map service



Biomass Atlas is an open service which collects the location data of biomasses under one, single user interphase. Developed by Luke together with Finnish organizations SYKE, TAPIO, UEF and UVA, and by the funding of the Finnish Ministry of Agriculture and Forestry, the service enables calculations of the amount of biomass in a given geographical area, as well as examining the opportunities and restrictions to utilise the biomass.

The map user interface is easy to use and allows user to watch, analyse and report biomasses from forestry, agriculture and biodegradable wastes from communities and industry. You will find approximately 300 map layers of different biomass types or land use categories in map user interface.

Based on Biomass Atlas, assessments of regional availability of biomass, procurement and logistical costs of biomass, procurement technology and optimization in Luke and other organizations have been successfully accomplished. Analyses of content of biomasses, their nutrients, energy potential, and the nutrient recycling have been optimized regionally using Biomass Atlas.

The potential to utilize biomass regionally can be assessed with focus in employment, regional economy or environmental impact. It is also possible to make scenarios, how these things will develop in the future.

The biomass data is planned to support investment decisions and sustainable use of natural resources, for example, and to help decision-makers to do sustainable energy politics. At the moment Biomass Atlas is available in Finnish. International version of Biomass Atlas will be built in cooperation with Baltic Forbio project, which starts at autumn 2017 and exports the Biomass Atlas concept to Sweden and Baltic sea countries. In Biomass Atlas you will find GIS data and maps of different biomass and land use types:

- multisource national forest inventory data describes biomass that is growing in forests
- forest chip potential
- field and crop areas
- crops and crop side streams
- manure of production animals

- biowaste from communities
- biodegradable waste from companies in scale that requires environmental authorization (VAHTI-database).

Field area, crops and waste data is updated yearly. Manure data is updated when needed, and forest data approximately in every five years. All the data in Biomass Atlas is described also in Finnish metadataportal for geodata, Paikkatietohakemisto.

## DÉTAILS

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**ORIGINE DU BOIS**

Forêt

**TYPE DE BOIS**

Grume

**POTENTIEL DE MOBILISATION**

Not possible to assess.

**POTENTIEL DE DURABILITÉ - VALEUR**

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**TYPE DE BOIS CONCERNÉ**

Stemwood; Above and below ground woody biomass

**FACILITÉ D'IMPLÉMENTATION**

Medium, IT skills needed

**IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITÉ**

Medium

**FACILITÉ D'IMPLÉMENTATION - ÉVALUATION**

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**EFFET SUR LE REVENU**

Positive, Atlas can be used in planning processes of different organizations including companies

**PRÉREQUIS CLÉS**

Web pages, see above.

**POTENTIEL D'EXPLOITATION**

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**TYPE D'éVÉNEMENT OÙ CETTE ICPE A ÉTÉ PRÉSENTÉE**

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**HUB**

Pôle Nord

**EFFET SUR L'EMPLOI**

Positive, Atlas can be used in planning processes of different organizations including companies

**IMPACT ÉCONOMIQUE**

Positive, Atlas can be used in planning processes of different organizations including companies

**COÛTS D'IMPLÉMENTATION (EURO - €)**

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## CONNAISSANCES SPÉCIFIQUES REQUISES

IT skills

**PLUS DE  
DÉTAILS**

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DéFI CONCERNé	DOMAINE	TYPE DE SOLUTION
5. Accroître les performances économiques et environnementales de la chaîne logistique forestière écosystémiques, résilience	Gestion forestière, sylviculture, services écosystémiques, résilience	Plateforme de données, hubs de data, open data
MOTS-CLéS	SOLUTION DIGITALE	INNOVATION
--	Oui	Non
PAYS D'ORIGINE	ECHELLE D'APPLICATION	DéBUT ET FIN D'ANNéE
Finlande	Nationale	2017 -

**INFORMATIONS  
DE CONTACT**

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**REFERENCES  
AND RESOURCES**

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SITE WEB PRINCIPAL	RESSOURCES
<a href="https://www.luke.fi/biomassa-atlas/en/">https://www.luke.fi/biomassa-atlas/en/</a>	--
SITE WEB DU PROJET	
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RéFéRENCE DU PROJET	
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LOGO DE LA BONNE  
PRATIQUE



LOGO DE L'ORGANISATION  
PRINCIPALE



PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRéEÉ

Rosewood

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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