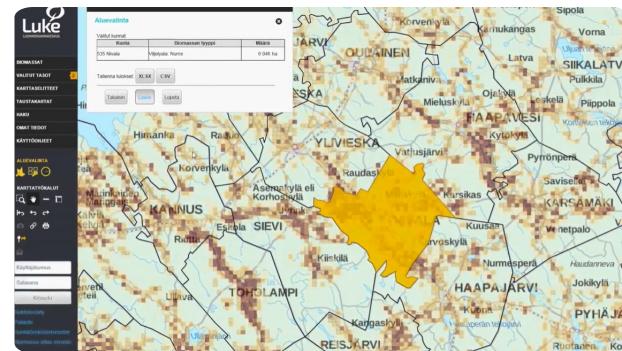


# Biomass Atlas | Web-based forest resource map service



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.

## DETALLES

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**ORIGEN DE LA MADERA**

Bosque

**TIPO DE MADERA**

Madera en rollo

**POTENCIAL DE MOVILIZACIÓN**

Not possible to assess.

**POTENCIAL DE SOSTENIBILIDAD - VALOR**

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**TIPO DE MADERA AFECTADA**

Stemwood; Above and below ground woody biomass

**FACILIDAD DE APLICACIÓN**

Medium, IT skills needed

**IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD**

Medium

**FACILIDAD DE IMPLEMENTACIÓN - EVALUACIÓN**

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**EFFECTO SOBRE LOS INGRESOS**

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

**PREREQUISITOS CLAVE**

Web pages, see above.

**POTENCIAL DE EXPLOTACIÓN**

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**TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS**

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**HUB**

Eje Norte

**EFFECTO SOBRE EL EMPLEO**

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

**IMPACTO ECONÓMICO**

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

**COSTES DE IMPLEMENTACIÓN (EURO - €)**

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## CONOCIMIENTOS ESPECÍFICOS NECESARIOS

IT skills

## MÁS DETALLES

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RETO ABORDADO	DOMINIO	TIPO DE SOLUCIÓN
5. Mejorar el rendimiento económico y medioambiental de las cadenas de suministro forestal	Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia	Plataformas de datos, centros de datos, datos abiertos
PALABRAS CLAVE	SOLUCIÓN DIGITAL	INNOVACIÓN
--	Sí	No
PAÍS DE ORIGEN	ESCALA DE APLICACIÓN	AÑO DE INICIO Y FIN
Finlandia	Nacional	2017 -

## DATOS DE CONTACTO

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## REFERENCES AND RESOURCES

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SITIO WEB PRINCIPAL	RECURSOS
<a href="https://www.luke.fi/biomassa-atlas/en/">https://www.luke.fi/biomassa-atlas/en/</a>	--
SITIO WEB DEL PROYECTO	
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REFERENCIA DEL PROYECTO	
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LOGO DE LA BUENA  
PRÁCTICA



LOGOTIPO DE LA  
ORGANIZACIÓN PRINCIPAL



PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood

FECHA DE MENSAJE

17 Sep 2019



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862681

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