

Benefits of using biomass in energy supply – case Finnish cluster “Cleantech Finland Bioenergy”



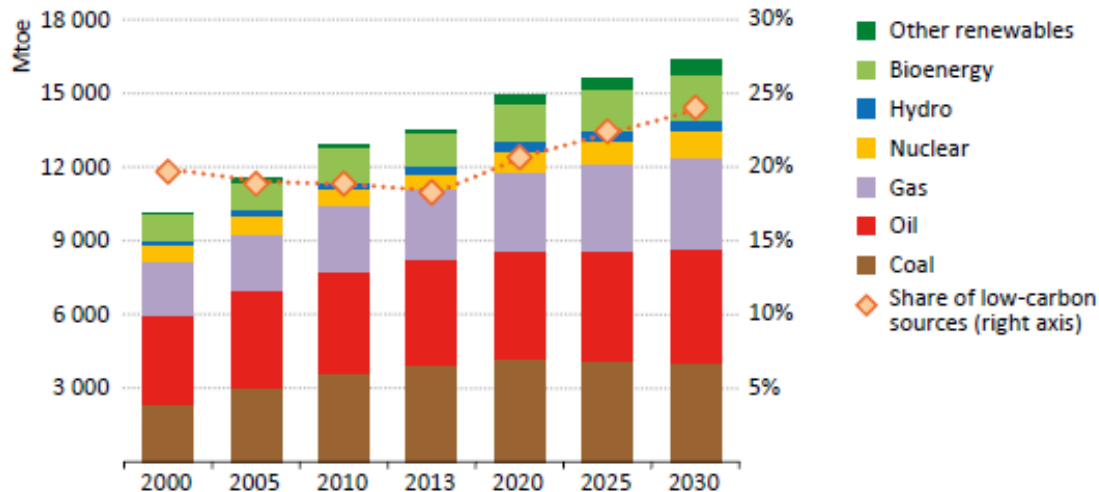
Benefits of Bioenergy in the Arctic

- Often a by-product of other activities
- Typically domestic
 - supports and improves employment – in particular in rural areas
 - improves trade balance
- Renewable, forests store carbon, when managed sustainably
 - fits well to the long-term vision of the Paris agreement: *“Parties aim to achieve a balance between anthropogenic emissions by sources and removals by sinks of greenhouse gases in the second half of this century”*
- Carbon emissions taken into account when wood is harvested
 - Based on the guidance from the Intergovernmental Panel on Climate Change (IPCC), emissions are reported when the wood is burnt, but not accounted in order to avoid double-counting in national emission inventories
- Easy to store

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Bioenergy is Globally the Most Important Renewable Energy Source

Global Primary Energy Demand by Source Taking Into Account Contributions Made for Paris Climate Conference



Note: "Other renewables" includes wind, solar (photovoltaic and concentrating solar power), geothermal, and marine.

Source: OECD/IEA, 2015

MAKE IT COUNT

Choose renewable energy from forest to a warm house,
choose **biomass**



What we do

We offer **renewable**, forest based energy solutions for heat and power supply for every customer need.

- Private homes
- Shopping centers etc.
- Municipalities and cities
- Metropolises

You get tailored services according to your need.

Benefits

Key advantages of using **biomass**

- Replacing fossil fuels as raw material for energy supply
- Reduction of CO₂
- Sustainable forestry
- Cost efficient
- Contributes local employment
- Recycling and waste reduction
- Clean, modern and safe energy
- Prevent forest fires
- Abundant and Renewable

How it works



Who we are

Companies with best solutions for your need including
the whole process from the **forest** to a warm house



Why choose us

World class solution

We offer full range of services and technologies in bioenergy sector for heating and energy supply

Secure Supplier

Our technology is in use in hard weather conditions (yearly variation 50-70 C degrees)

Market leader

Finland is known for its strong know-how in bioenergy technology

Why choose us

Funding

We offer our networks in arranging founding for the biomass boiler plant projects including the complete supply chain (or part of it)

Example: Nefco

Loans, investments and funding for international trade (including to Russia), when project includes environmental impact. Size of the project from 150 000 to 5 000 000 eur.

Example: Finnpartnership & Finnfund

Loans, investments and funding for international projects with positive environmental impact (including to Russia). Size of the project is usually 1 000 000 to 10 000 000 eur, fundind or loan rate can be 30% of the total sum of the project.

First Contact



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Contact us

We are the first to serve you and come up with suitable solution to your case!



Biomass Value Supply Chain

From the forest to the energy end-user

Powered by



Exporting Bioenergy Expertise