

Interreg



EUROPEAN UNION

Alpine Space

CaSCo

EUROPEAN REGIONAL DEVELOPMENT FUND

CaSCo - Carbon.Smart.Communities

CO₂ Comparisions . Italy

Fuel wood

compiled by

HOLZ VON HIER

www.holz-von-hier.de

FEULWOOD
of short distances







Especially with fuel wood, it is important to pay attention to short distances.

Consumption of energy wood in households and heating plants has increased exponentially. At the same time, the material flows of fuel wood continue to grow. Short distances in the supply chain become increasingly important for a positive climate balance of fuel wood. In Italy, about 70% of the round wood from the forest is used as fuel wood. Regionally, there is already a strong competition between the material and energetic use of roundwood. The bulk of fuel wood is being wound up by large traders, which is why imports are surprisingly high. The bulk of the volume-weighted CO₂ emissions from imports of energy wood products - especially assortments like pellets - to Italy is (besides Germany Austria, Slovenia) originated to Russia, Canada, Brazil, Chile, Ukraine, Croatia, Bosnia and Herzegovina, Montenegro, and others.

Fuel wood is extra climate-friendly only through short distances and high quality.

Owing to overlapping material flows of fire wood in Italy's foreign trade, avoidable 3.346 tonnes of CO₂ emissions are produced each year. This is comparatively low because fuel wood is mainly imported to Italy and barely exported. Reducing CO₂ through the use of short-distance fuel wood instead of needless transports would save in Italy about 15% of the carbon savings of the European Green Building Program. It would correspond to the same CO₂ savings of 1.593 houses with photovoltaic systems. Precondition for a good carbon footprint is also a high quality of the fuel for a low carbon combustion.

Pellets with wood of short distances (Low Carbon Timber - HOLZ VON HIER) for heating a home instead of Russia save 682 kg CO₂ / t or 1,970 kg CO₂ per modern house per year.

	The exchange „LED instead of light bulb“ in the whole house brings only after 9 - 10 years the same CO ₂ savings.
	This compensates for CO ₂ emissions through 10 months of electricity and heating in a modern new building, You live for 10 months a year „CO ₂ neutral“.
	This compensates the CO ₂ emissions of 1 year driving a middle class car.
	Replacing older appliances with the most energy-efficient appliance on the market will only reach about the same CO ₂ savings in case of washing machines after 48 years and in case of refrigerators after 16 years.



Ask for ... !

One cannot guess the origin and transport distances for the wood by looking at the product. Therefore ask for a Low Carbon Timber Certificate (HOLZ VON HIER) for your purchased timber product.

This eco-label captures all material flows from the along the whole supply chain. The certificate labels a product of extra climate-friendly wood of short distances and sustainable forestry.

By asking for a certificate You give a valuable contribution to the protection of climate, biodiversity and the environment and strengthen your region.