

**Interreg**  
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EUROPEAN REGIONAL DEVELOPMENT FUND



EUROPEAN UNION

CaSCo - Carbon.Smart.Communities

# CO<sub>2</sub> Comparisons . Italy

## Lumber

compiled by

HOLZ VON HIER

[www.holz-von-hier.de](http://www.holz-von-hier.de)

LUMBER  
of short distances



**Lumber can have traveled over long distances.**

In Italy 5 - 6 fold as much lumber is imported than produced within the country. That means the probability of regional origin of the lumber inside of a building is fairly low, except the lumber has a proof of origin. Main sources of imported lumber - besides Austria and Germany - Russia, Ukraine and Finland. By increasingly purchasing lumber from Italy and Alpine Space countries, the carbon footprint of buildings in Italy could be improved remarkably.

**Timber construction is burgeoning, but you should pay attention to climate-friendly timber of short distances. Extra climate-friendly construction materials inhabit short distances.**

Timber from Italy excludes poaching and overexploitation, because the Italian forests are managed sustainably. The overlapping material flows of timber in Italys foreign trade produces avoidable emissions of 29,920 tonnes of CO<sub>2</sub> each year. Closing regional processing chains could avoid these needless transports and save about 1.4 times as much CO<sub>2</sub> as the European Green Building Program, or provide 23% of the CO<sub>2</sub> savings of the European Green Light program. This would correspond the CO<sub>2</sub> saving of 14,248 houses with photovoltaic system.

**Timber of proven short distances (Low Carbon Timber / HOLZ VON HIER) in your wooden house instead of timber from Russia saves on average 16 t CO<sub>2</sub> / house.**

	The exchange „LED instead of light bulb“ in the whole house brings only after 76 years the same CO <sub>2</sub> savings.
	This compensates for CO <sub>2</sub> emissions through 37 years of electricity or 17 years of heating in a modern new building.
	This compensates the CO <sub>2</sub> emissions of > 7 years driving a middle class car.
	Replacing older appliances with the most energy-efficient appliance on the market will only reach about the same CO <sub>2</sub> savings on washing machines after 415 years and for refrigerators only after 321 years.



**Ask for ... !**

One cannot guess the origin and transport distances fo 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.