

Interreg



EUROPEAN UNION

Alpine Space

CaSCo

EUROPEAN REGIONAL DEVELOPMENT FUND

CaSCo - Carbon.Smart.Communities

CO₂ Comparisons . Italy

Wooden Facades

compiled by

Low Carbon Timber / HOLZ VON HIER

www.holz-von-hier.de

FACADES
of short distances



Wooden facades are the (climate friendly) face of buildings.





Facades are made of wood, clinker, stone, aluminum, steel plates, fiber cement, fiberglass or thermal insulation composite systems. Facades made of wood are currently experiencing a renaissance. It is important, however, to pay attention to the short distances, to ensure an optimal life cycle balance.

Facade materials can have travelled over long distances. Wood facades are only climate-friendly thanks to short distances.

Imports of planed softwood for wood facades from (besides Germany) Ukraine, the Czech Republic, Finland and other countries further afield, such as Russia to Italy account for most of the volume-weighted CO₂ emissions. In the Alpine space and Italy, there would be enough producers to replace these long distance imports.

Owing to overlapping material flows of coniferous sawn wood in Italy's foreign trade, avoidable 29.920 tonnes of CO₂ emissions are produced each year. The CO₂ savings by using HvH facades are 1.4 times as much CO₂ as much as would be saved by the European Green Building Program and 0.2 times as much as by the European Green Light Program. It would correspond to the CO₂ savings of about 14.000 photovoltaic homes.

Wooden facades of the short distances (Low Carbon Timber - HOLZ VON HIER) at your house instead from Russia, in average saves 2.5 t CO₂/building.

	The exchange „LED instead of light bulb“ in the whole house reaches the same CO ₂ savings only after 12 years.
	This compensates for the CO ₂ emissions caused by 1 year of electricity and heating in a modern new building.
	This compensates the CO ₂ emissions of 1 year driving a middle class car.
	The replacement of older equipment with the most energy-efficient equipment on the market only reach about the same CO ₂ savings in case of washing machines after 60 years and of refrigerators only after 20 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.