

Good for the climate and regional economy: Energy-efficient building from local wood



Anita Wyss, CIPRA International
Bolzano, 22th April 2010

Consequences
of climate change in the Alps
are visible



How do we fight climate
change in the Alps?









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CIPRA projects



- CIPRA is helping to ensure that climate response measures in the Alpine region are in harmony with the principle of sustainable development.

cc.alps – one step further



- A CIPRA information campaign aimed at promoting energy-efficient buildings built from regional timber in the Alpine region

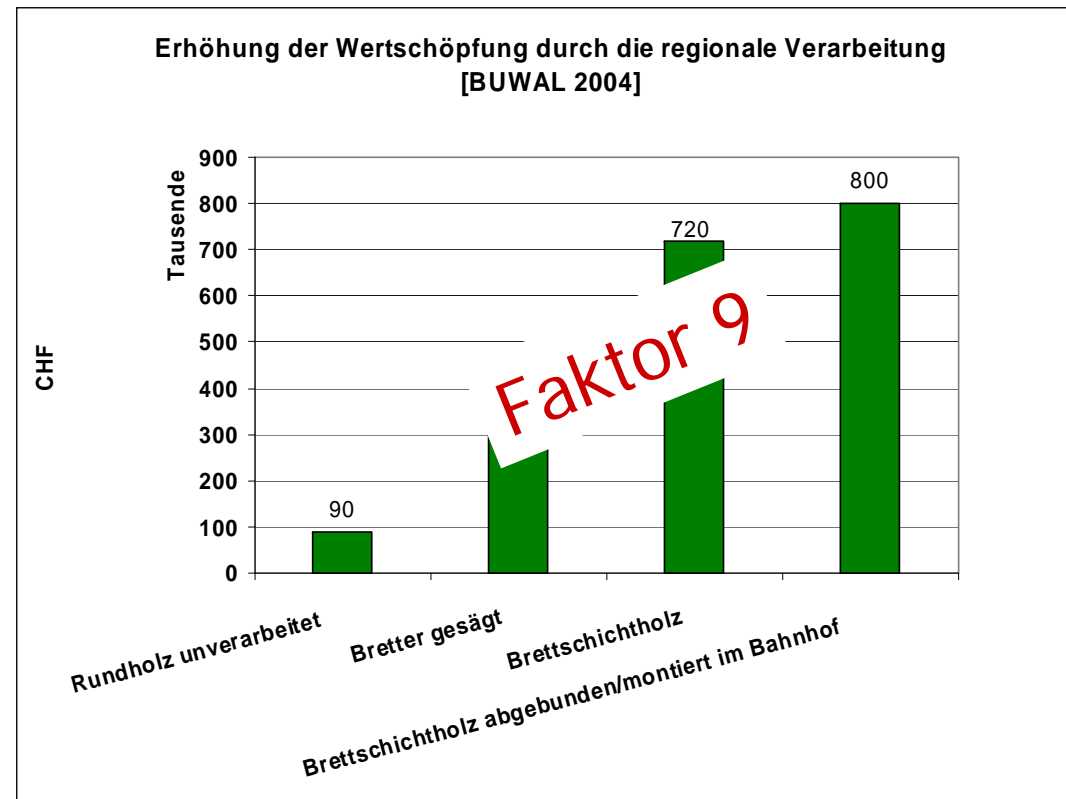
Wood from the region

tremendous energy savings
and value creation potential



Value-added potential

Monetary valuation of the timber value on the example Landquart station/CH



climalp: learning from others...

- Across linguistic and cultural borders
- Conferences, publications, excursions



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climalp – Saint Jean d'Arvey



- Excursion to Vorarlberg autumn 2008
- Begin of construction Sept. 2010
- 1st passivhaus certified public building and "Label Bois des Alpes"

climalp – Energy efficiency in alpine huts



- Back stage networking within alpine clubs (CAA)
- CAA project in preparation
- Excursion to Schiestelhaus hut/AT in June 2010

... so what!!!

Best-examples like Mäder

Passive houses: depends on “where”

CIPRA requirements

- Funding for energy refurbishment
- Passive houses or “active house”
- Policy and administrative build lighthouses
- First of all: reducing energy consume!

Thank you for your attention!

www.cipra.org (de/fr/it/sl)



Do we have so much wood?

- If all single-family house would be built of wood:
 - annual timber requirement across the Alps: 2,5 million m^3
 - annual timber growth across the Alps: 37 million m^3 (of which approximately 10 million unused m^3)
- If 2% of the existing buildings would be restored thermally and switched to wood heating annual :
 - 2010 - yearly wood needs across the Alps: 2.3 million m^3
CO₂ savings: 3.3 million tonnes



Wood as building material



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Wood: multiple profit

- CO₂-storage
 - stored CO₂ bound for about 80 years
- built quickly
 - System design: possible prefabrication of building elements, seasonal independence
- healthy living climate
 - Heat insulating, cut off the air humidity
- Recycling or thermal recycling by the house demolition



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What is more visionary in the mobility,



... must be the norm for buildings!

