KlimaHaus
CasaClima

www.klimahaus.info
all@provinz.bz.it

Autonomous Province of Bolzano
South Tyrol/Italy
Department of Spacial Planning,
Environment and Energy

KlimaHaus - Living in a plus

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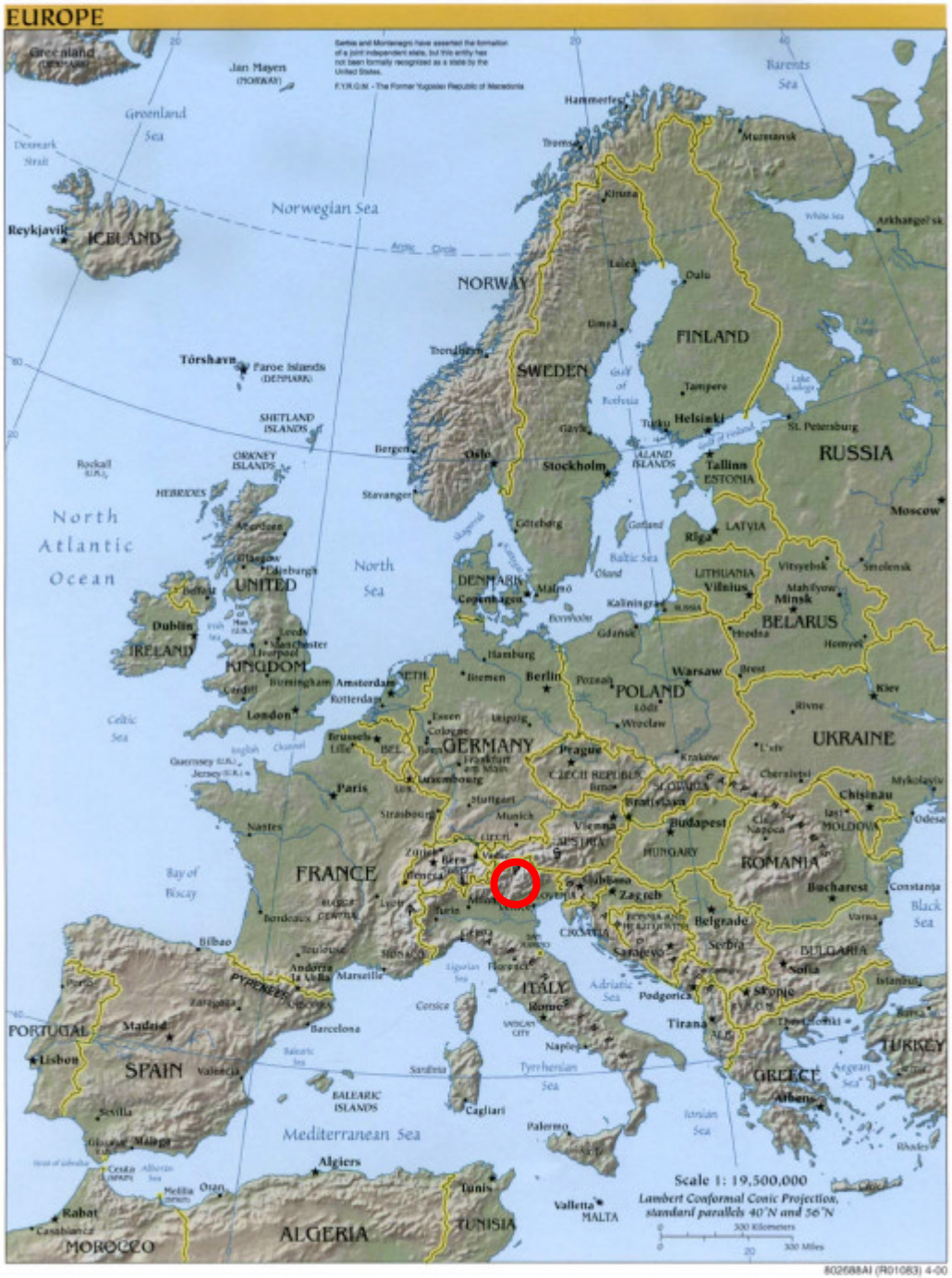
Autonomous Province of Bolzano/Bozen, Italy



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Household energy consumption in South Tyrol/Italy

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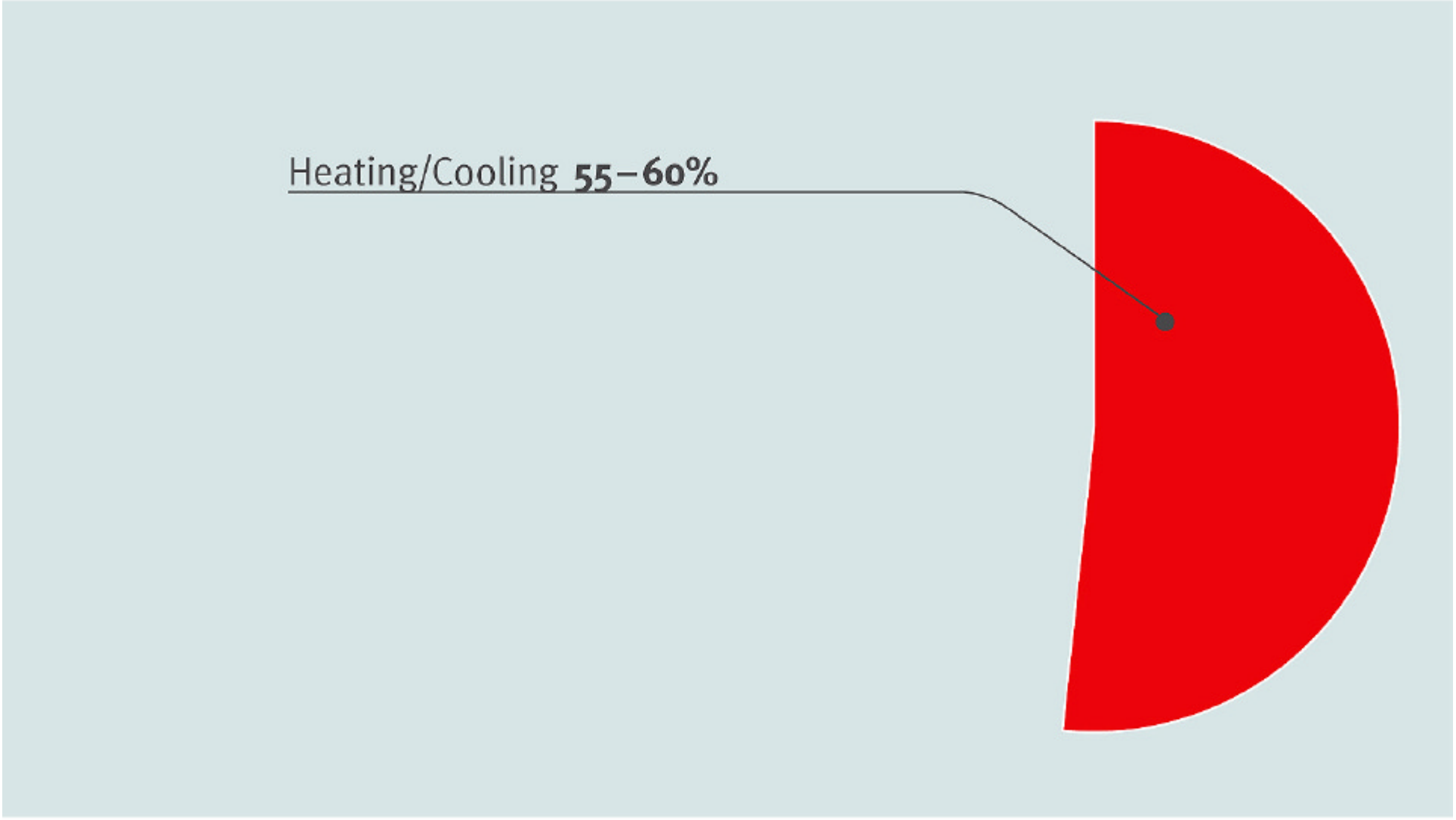

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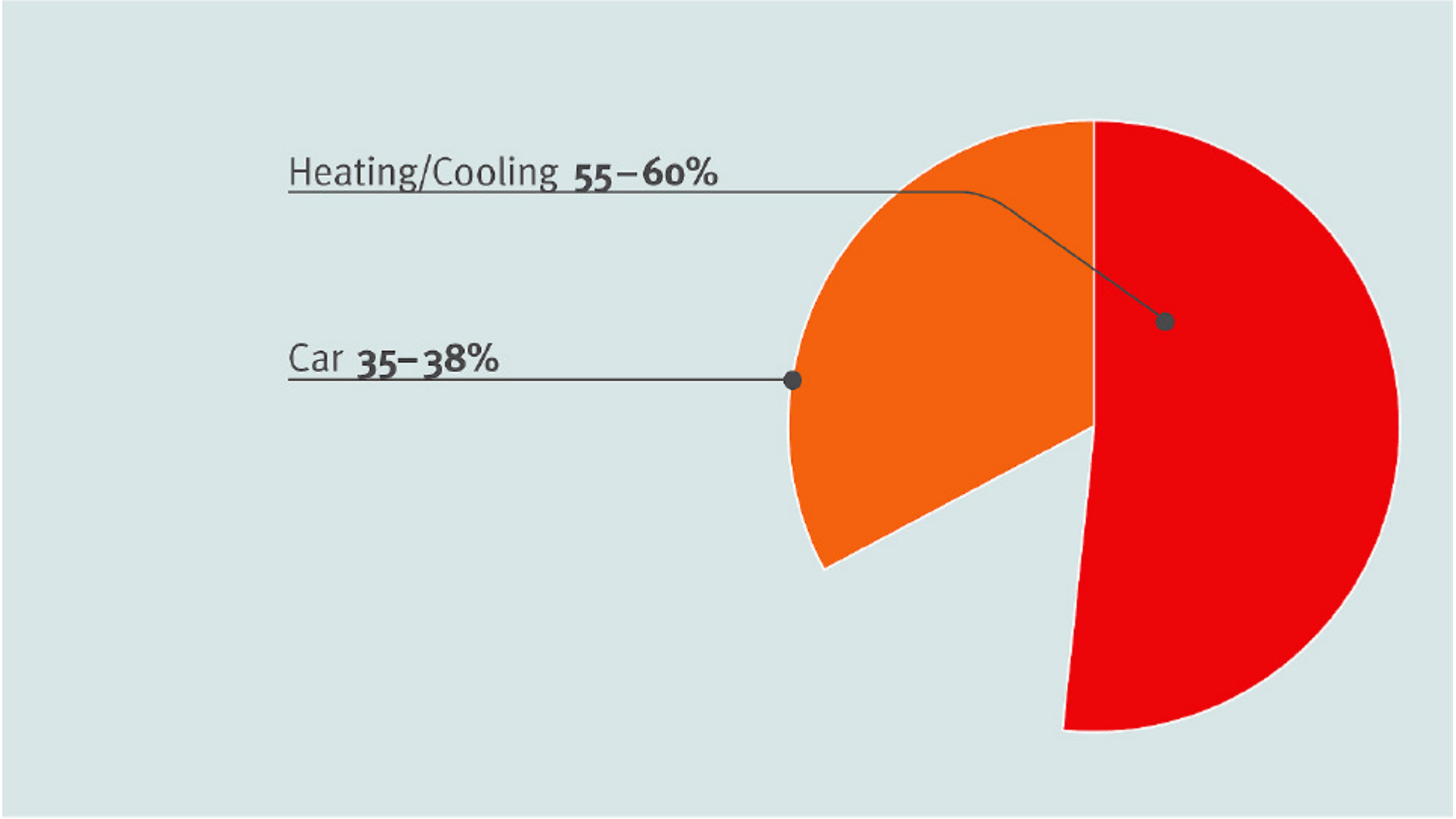

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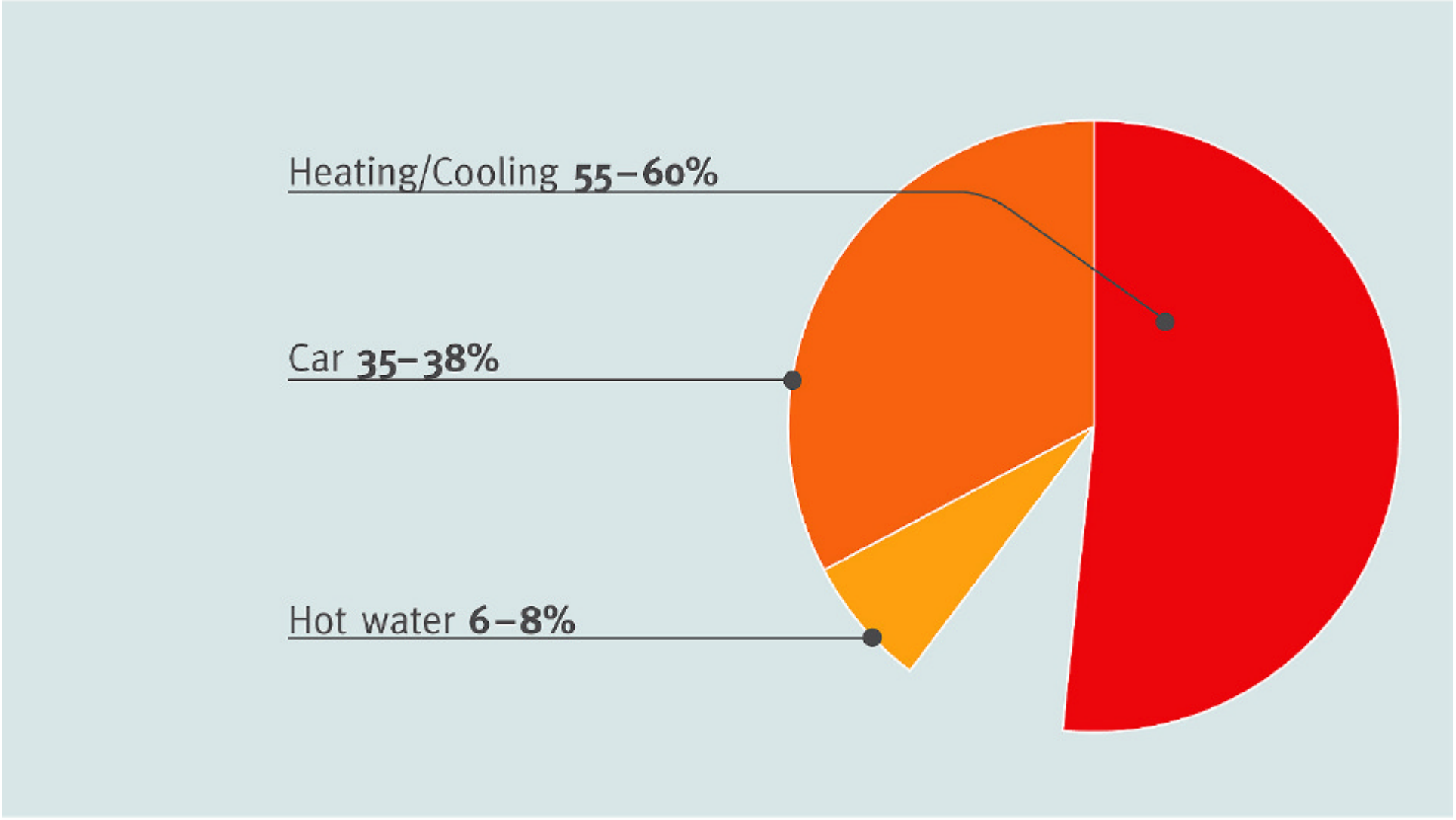

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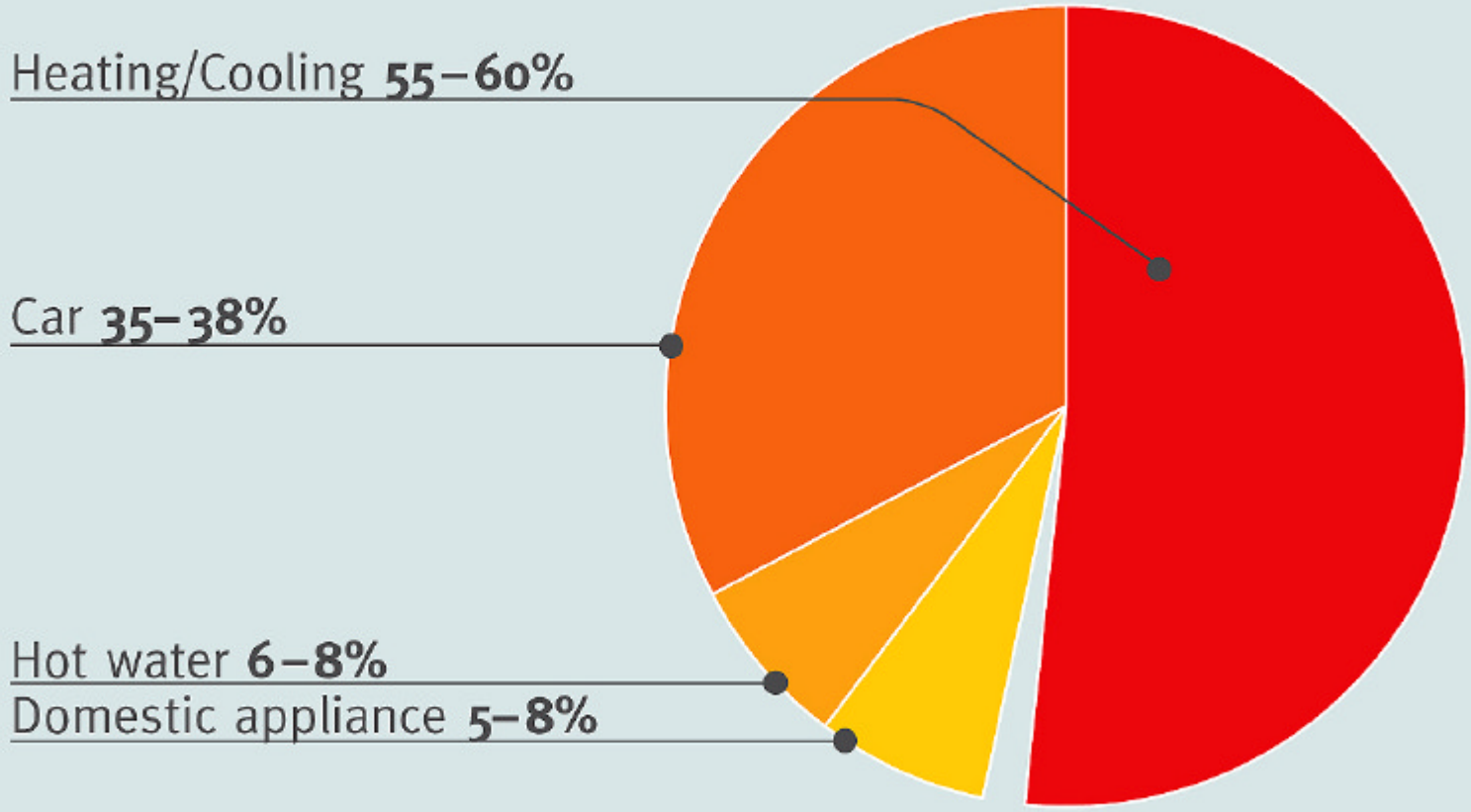

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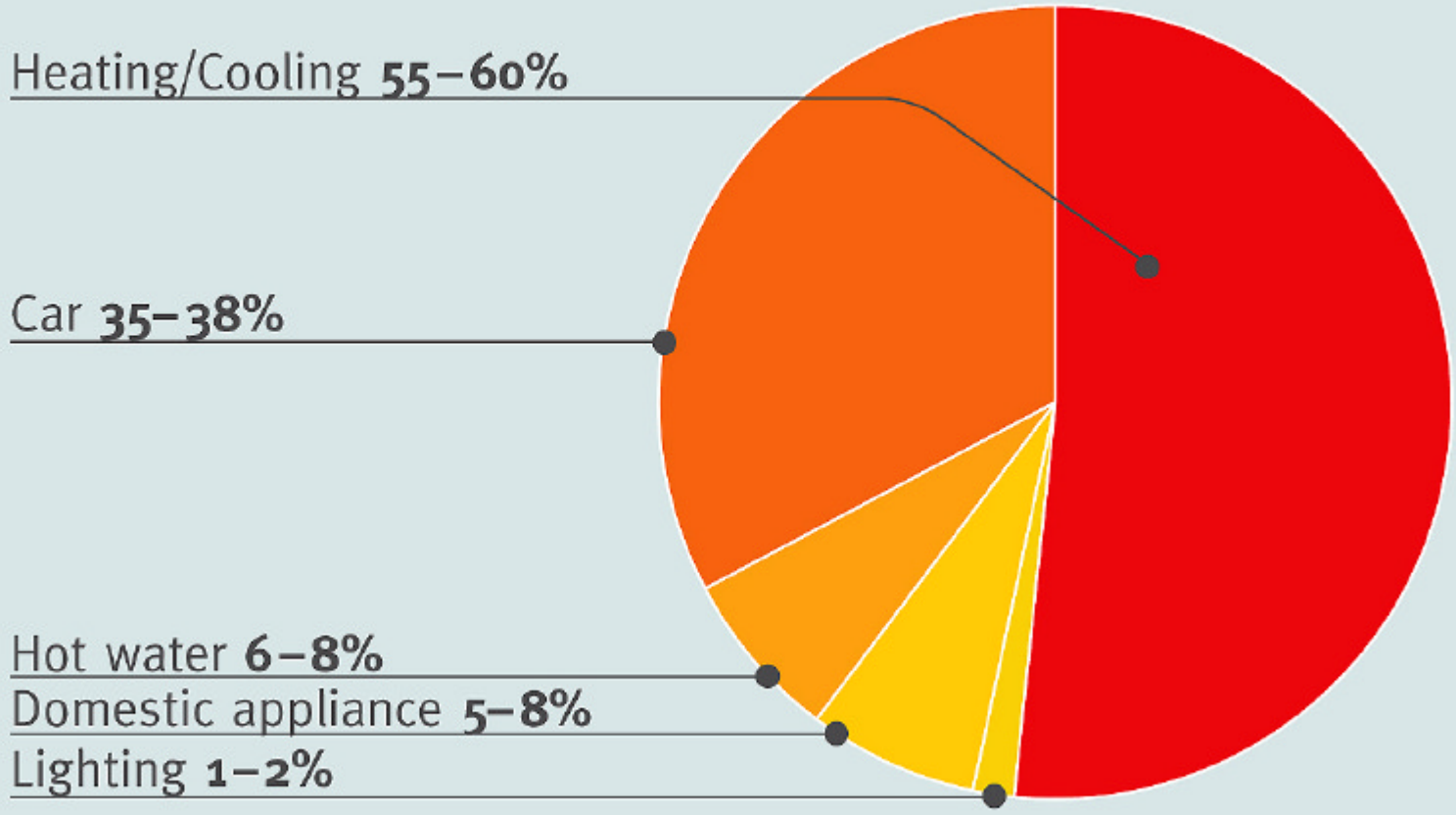

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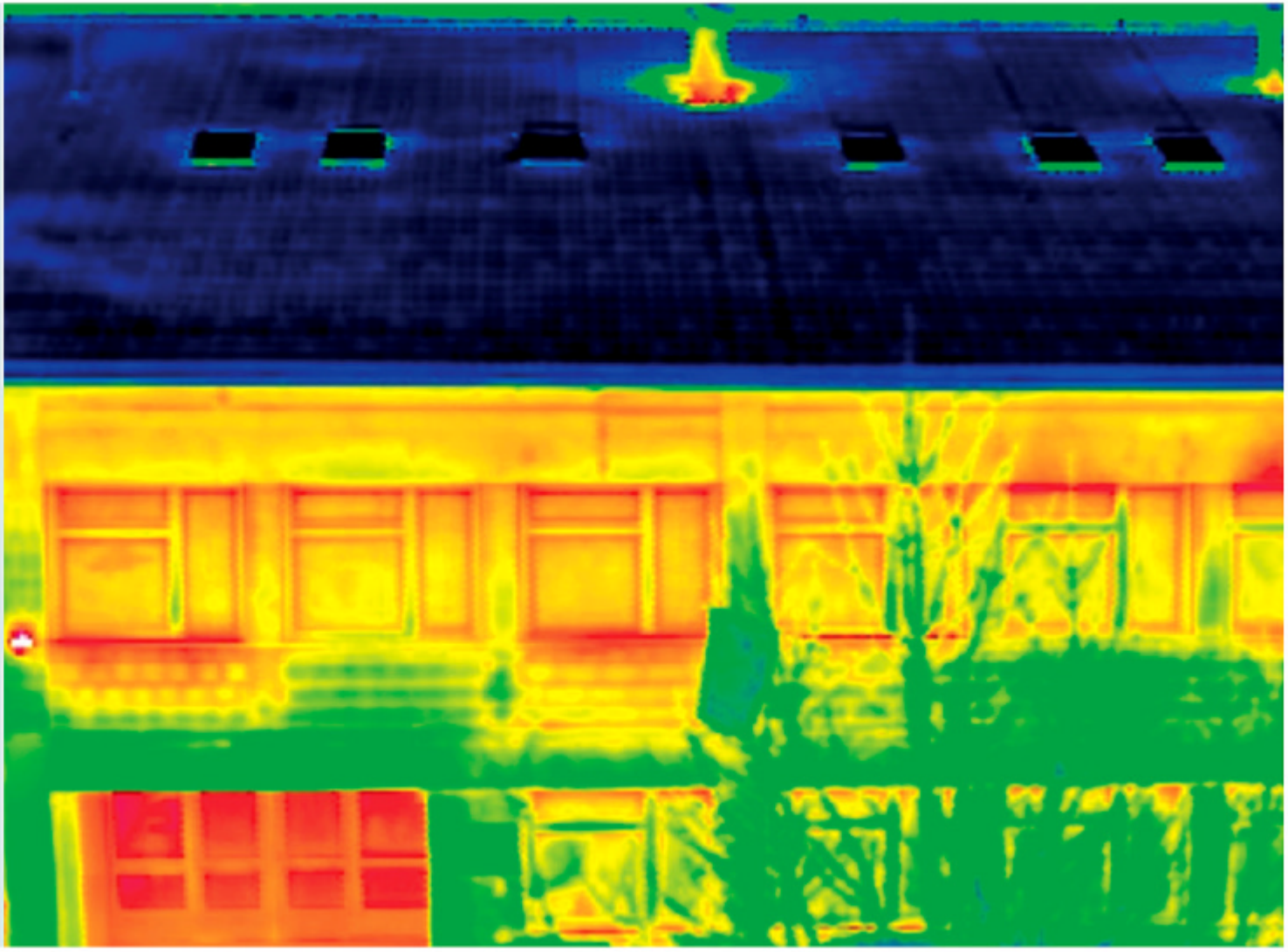
Infrared image demonstrating heat loss within a structure



KlimaHaus - factors of success and target groups

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Certificate

KlimaHaus - factors of success and target groups

Certificate

Plaque

KlimaHaus - factors of success and target groups

- Certificate
- Plaque
- Costless consultation

KlimaHaus - factors of success and target groups

- Certificate
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- Training and education

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KlimaHaus
CasaClima

KlimaHaus - factors of success and target groups

- Certificate
- Plaque
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Consumers

KlimaHaus - factors of success and target groups

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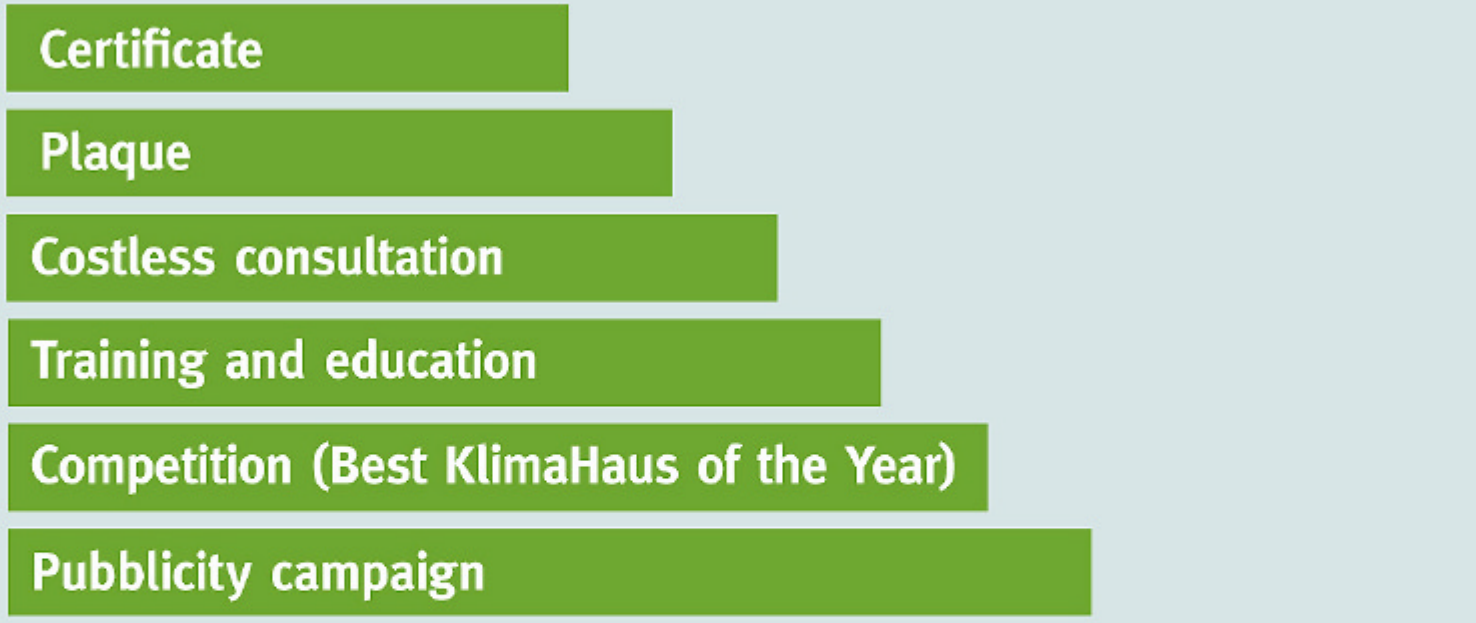

KlimaHaus Certificate

Low heating required rating

Energy consumpting rating

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$HBW_{NGF} \leq 30$ kWh/(m²·y) = 3 l/(m²·y) oil

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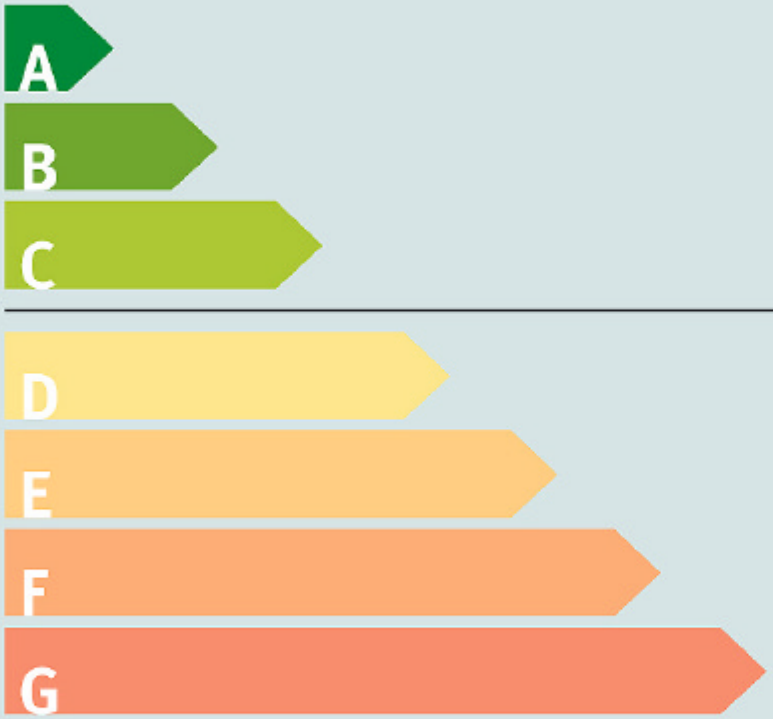

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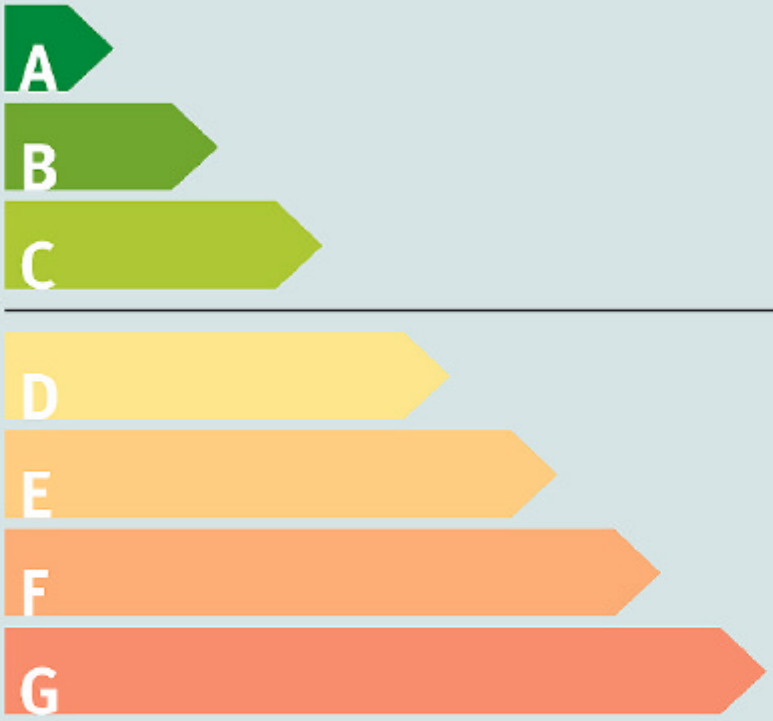

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***Class A and B constructions using ecological materials get a plus +**

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KlimaHaus Gold Plaque - A status symbol
Highest award for energy efficient construction

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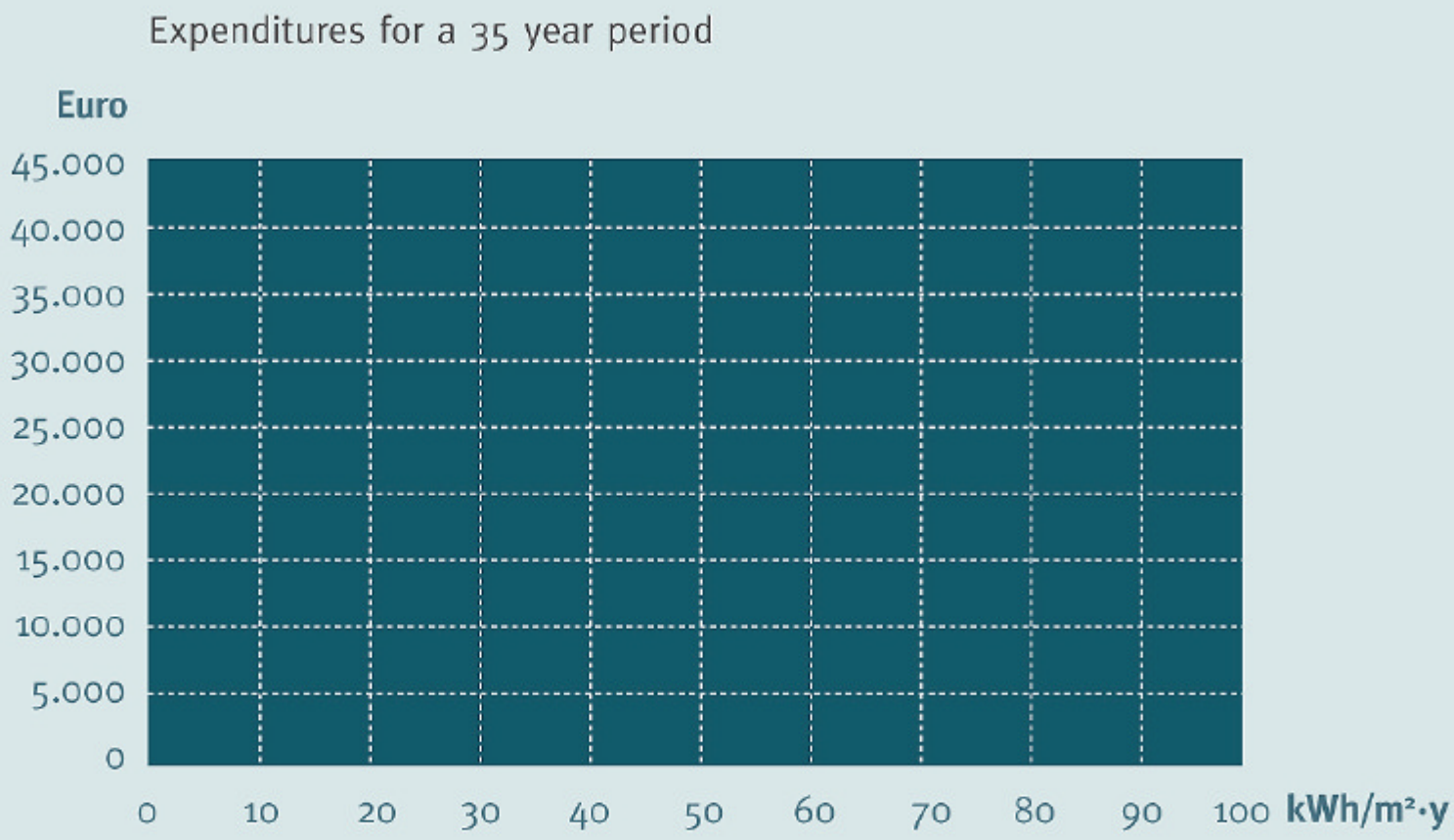
Energy saving is profitable
“I’m proud of my KlimaHaus”



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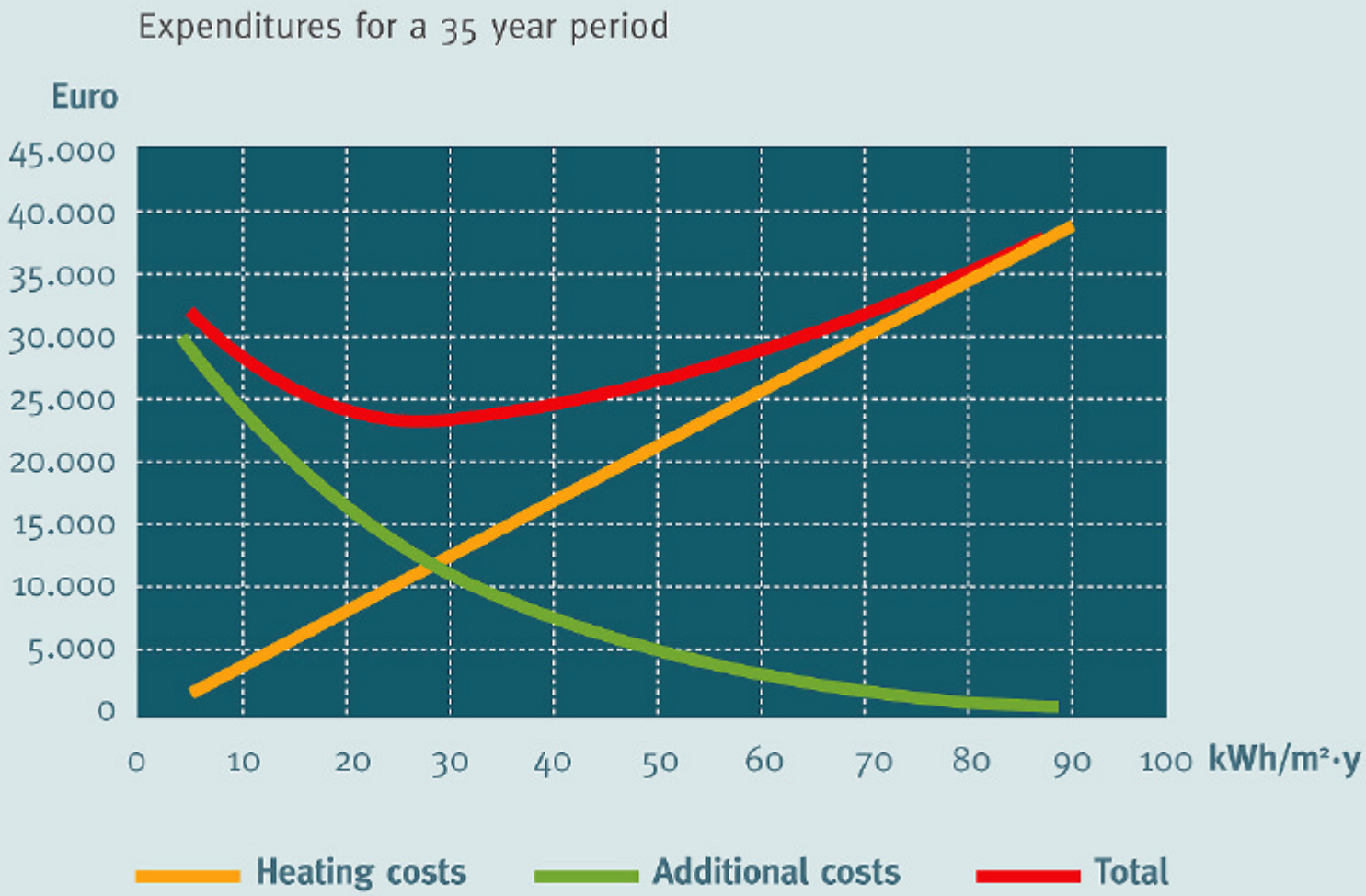

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KlimaHaus – Less CO_2-Emissions

CO_2-Emissions (tons/year) of a 6 apartment building
in Bolzano/Italy with a living space of 600 m²

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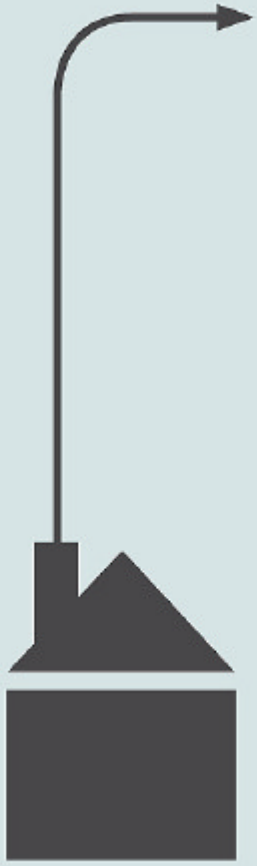
KlimaHaus – Less CO_2-Emissions



Energetic standard of old buildings in South Tyrol: **35 tons/year**

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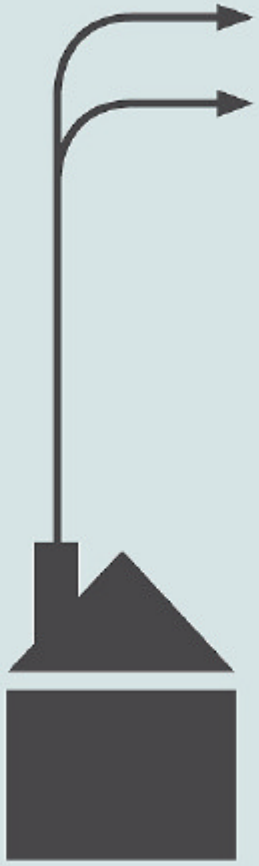

Energetic standard of old buildings in South Tyrol: **35 tons/year**

Actual italian standard for thermal insulation: **25 tons/year**
(national law from 1991)

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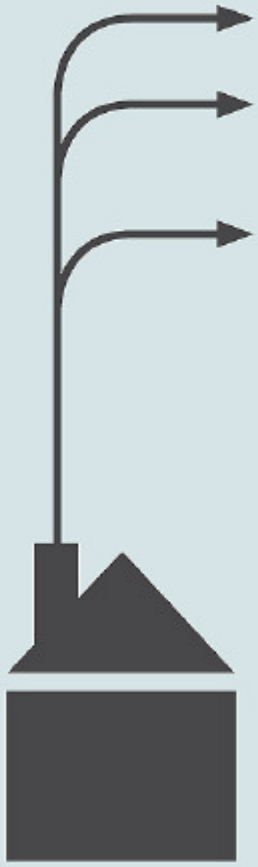

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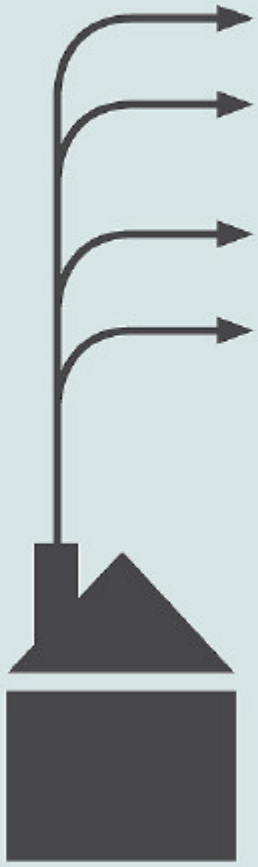

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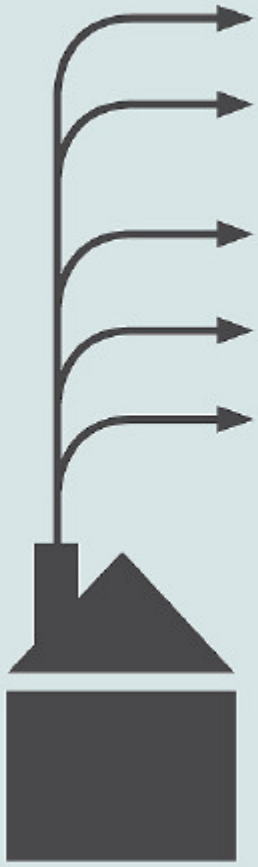

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CO_2-Emissions (tons/year) of a 6 apartment building in Bolzano/Italy with a living space of 600 m²

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Training workshop educating project planner and craftsmen

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All aspects of construction are required to build a KlimaHaus

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Examples of KlimaHaus constructions

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Examples of KlimaHaus constructions

KlimaHaus - A success story
Survey of owners (2005)

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How satisfied are you with your KlimaHaus?

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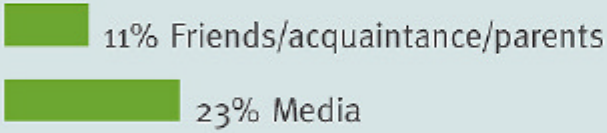

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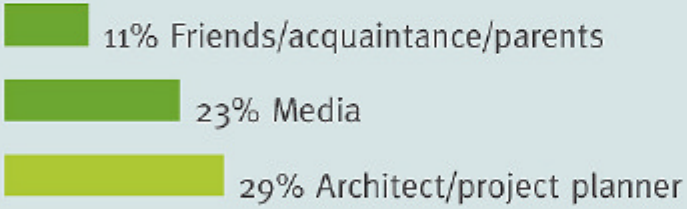

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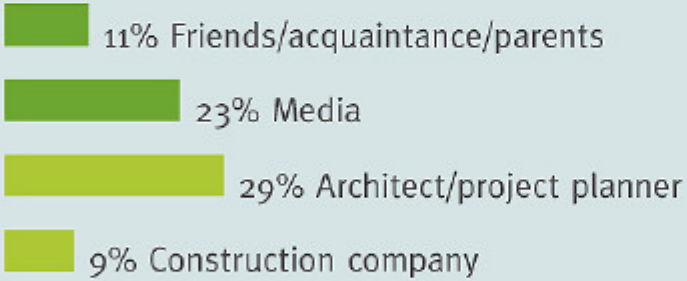

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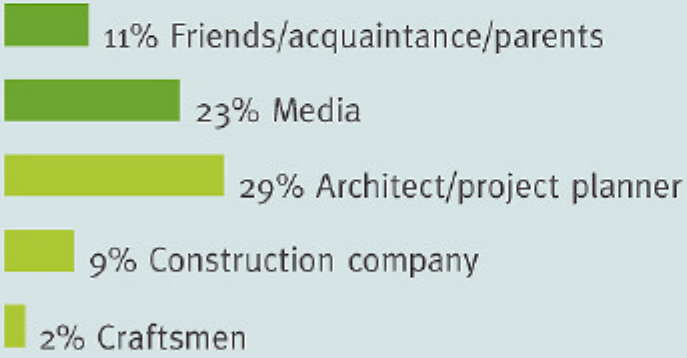

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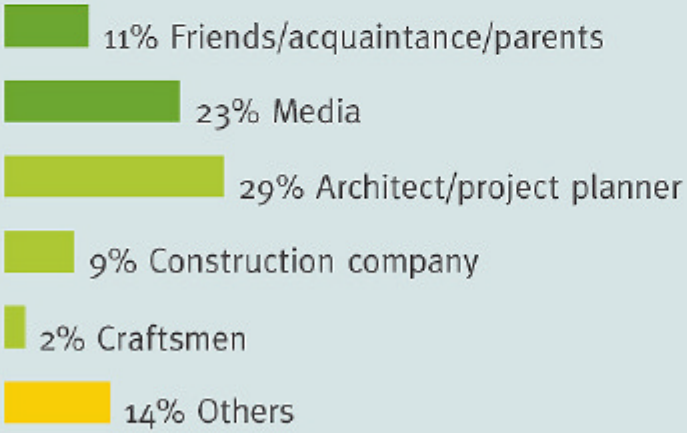

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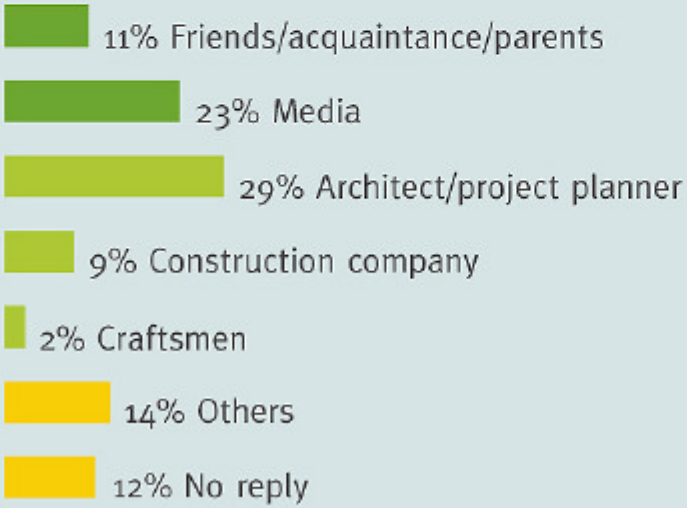

KlimaHaus – Next steps and concluding remarks

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R&D of new technologies for energy saving

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KlimaHaus – Next steps and concluding remarks

- R&D of new technologies for energy saving
- Improving renewable energies

KlimaHaus – Next steps and concluding remarks

- R&D of new technologies for energy saving
- Improving renewable energies
- Generate value production for local communities

KlimaHaus – Next steps and concluding remarks

- R&D of new technologies for energy saving
- Improving renewable energies
- Generate value production for local communities
- Expanding training and higher level education

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KlimaHaus – Next steps and concluding remarks

- R&D of new technologies for energy saving
- Improving renewable energies
- Generate value production for local communities
- Expanding training and higher level education
- Know-how transfer to other regions of Italy

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KlimaHaus – Next steps and concluding remarks

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- Expanding training and higher level education
- Know-how transfer to other regions of Italy
- 90% reduction of CO_2-Emissions

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- Improving renewable energies
- Generate value production for local communities
- Expanding training and higher level education
- Know-how transfer to other regions of Italy
- 90% reduction of CO_2-Emissions
- Trading of CO_2-Emissions
- In line with objectives of Kyoto Protocol against global warming