

Conclusions I

- Concentrate on Existing buildings
- Focus # 1: **save energy** to become more independent from providers and save energy costs makes a property more attractive
- Focus #2: reduce energy losses by transmission: insulation of walls, roof, windows
- Focus #3: reduce energy-losses by air exchange (natural ./ controlled ./ Mechanical ventilation)



Conclusions II

- Mention different parameters in different climate zones
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Conclusions III

- (Mandatory) Dissemination very necessary:
- Content:, energy-efficient-technologies
- To whom: architects, planners, engineers, construction companies (or even to industry first)
- Who: universities, industry, intermediates, chambers...
- What: training, life-long-learning, dissemination, product-infos...



Conclusions IV

Technologies

- Heat pipe
- Passive hybrid downdraught cooling
- glass



Conclusions V

MindMap will be improved with industry support (building-envelope)

