

S6 – Health & Comfort in Indoor Climate

**S6** 

TAPA

U6 – Building Physics and Sustainability

Objectives:		Trainer:
• • • • •	<ul> <li>thermal comfort (radiation, temperature, air movement,)</li> <li>condition of personal thermal comfort due to activities and clothing (clo factor)</li> <li>relative humidity comfort zone (winter, summer)</li> <li>the importance and principles of cold and heat protection in winter and summer</li> <li>capacity of straw in thermal and humidity storage (advantage improving living comfort)</li> <li>limits of acceptable amount of draft depending on temperature off-gassing of materials (VOC, MVOC)</li> <li>relative humidity limits indoor, to prevent organic material from moulding</li> </ul>	Place: lecture workshop Duration: 4 hours Equipment: laptops beamer flip-chart prepared examples
Met • Theory	hods: lectures, exercises, workshop lectures, charts, presentations	Documents: Info sheet I1 comfort & health in indoor-
Practice	<ul> <li>Task</li> <li>working groups with 3–4 participants working on detail examples</li> </ul>	climate (off-gassing, VOC)
~	<ul> <li>explain air-tightness measures on selected details</li> <li>measuring surface temperatures on different materials (in winter period)</li> <li>measuring humidity</li> <li>detecting leakages in building elements by simple methods</li> <li>checking glass quality of windows by mirroring a flame</li> </ul>	Slide Show: Overview Building Physics national/international

value at same temperature (steel, insulation, wood, glass, etc.) radiation intensity examples....

