

S6 – Health & Comfort in Indoor Climate

S6

TAPA

U6 – Building Physics and Sustainability

Objectives:		Trainer:
• • • • •	 thermal comfort (radiation, temperature, air movement,) condition of personal thermal comfort due to activities and clothing (clo factor) relative humidity comfort zone (winter, summer) the importance and principles of cold and heat protection in winter and summer capacity of straw in thermal and humidity storage (advantage improving living comfort) limits of acceptable amount of draft depending on temperature off-gassing of materials (VOC, MVOC) relative humidity limits indoor, to prevent organic material from moulding 	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	 Task working groups with 3–4 participants working on detail examples 	climate (off-gassing, VOC)
~	 explain air-tightness measures on selected details measuring surface temperatures on different materials (in winter period) measuring humidity detecting leakages in building elements by simple methods checking glass quality of windows by mirroring a flame 	Slide Show: Overview Building Physics national/international

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

