

General information	
Category	Design and planning
	Technology and Energy
	AlpHouse- Approach, Awareness
ID	QM 5.2
Title	Renovation Strategies and Energy Calculation Tools Workshop
Duration	1½ days workshop
N. participants	10-20
Location	Classroom
Target group	Architects and Planners
Characteristics of the Qualification Module	
Aims	Insight in the state of the art of renovation strategies and of common energy calculation tools. Case-study related evaluation of the demands to and offers from calculation tools in the various stages of planning and executing a project. Insight in contextual specific challenges for generalised approaches. Development of criteria for interdisciplinary approaches and for innovations in the tools.
Methodic Approach	14:00 Introduction 14:30 Approaches and strategies of renovation concepts (TUM Landraum) 15:30 discussion of pilotbuildings and renovation concepts from the Pilotregions 08:30 introduction: calculation with PHPP (EIV), passive house elements 10:00 training: exemplary calculations of various althouse pilotbuildings 13:30 discussion of calculation output 16:00 conclusion, criteria for approaches
Contents	topics: - General principles of energetic renovations - consideration of approaches - level of content for renovations of pilotbuildings - using PHPP - passive house elements Concepts of energetic renovations, aspects of building culture and calculations on energy consumption are a linked basis of our project AlpHouse. In a first pilottraining we would like to discuss various approaches on these topics and give help in calculating with PHPP. The Module combines the evaluation of existing building structures and the development of alternative strategies of renovation with a general introduction into the PHPP energy calculation programme. Specific pilotbuildings from the different regions are discussed and challenges and approaches compared. General adaptations of PHPP for AlpHouse will be suggested.
Learning outcomes	Within the discussion of pilot-buildings and the already developed spatial and energetic approaches it became very clear, that both techniques and calculation/evaluation methods that derive from new construction methods are to be adapted for the renovation of Alpine building stock, or can only cover some range of this field. A deliberate collection of alternative and more adapted techniques as well as planning and calculation tools has to be developed, in order to fulfill both ecological balances' as well as architectural contextualisation's demands.
Final Certification	No

Conception			
PP Leader	Bayerische Architektenkammer / Technische Universität München in cooperation with Energieinstitut Vorarlberg		
Contact person	Dipl.-Ing. Jörg Schröder, Architekt und Stadtplaner (DE, EN, IT) Technische Universität München		
address	Gabelsbergerstr. 49 D-80333 München		
phone	+49 89 28922340	fax	
e-mail	schroeder@landraum.org	web	www.studiolandraum.eu
QM Experiences			
Performing institution	Technische Universität München, in collaboration with Energieinstitut Vorarlberg		
Contact person	Dipl.-Ing. Jörg Schröder, Architekt und Stadtplaner (DE, EN, IT) Technische Universität München		
address	Gabelsbergerstr. 49 D-80333 München		
phone	+49 89 28922340	fax	+43 (0) 662/830200 34
e-mail	schroeder@landraum.org	web	www.studiolandraum.eu
Status	Done		
Location	Energieinstitut Vorarlberg, Dornbirn (AT)		
Date	26.-27.07.2010		
Trainers	Dipl.-Ing. Arch. Martin Frank (DE, EN, FR) Technische Universität München	e-mail	frank@landraum.org
	Dipl.-Ing. Sophia Forward (DE, EN, FR) Technische Universität München	e-mail	forward@landraum.org
	Dipl.-Ing. Arch. Martin Ploss (DE, EN) Vorarlberger Energieinstitut	e-mail	martin.ploss@energieinstitut.at
Available material	<ul style="list-style-type: none"> • Module documentation (programme, fineplanning, didactic analysis, evaluation) • Powerpoint presentations 		