

General information	
<b>Category</b>	<b>Technology and energy</b>
	<b>Use of material</b>
<b>ID</b>	<b>QM 6.1</b>
<b>Title</b>	<b>Vernacular intelligence in detail for CR – Energetic</b>
<b>Duration</b>	[2 days] - 15 hours: <ul style="list-style-type: none"> <li>▪ 8,5 hours – classroom</li> <li>▪ 2 hours – guided visit of pilot building</li> <li>▪ 4,5 hours – workshop (practical activities – ex blower door test; exercices)</li> </ul>
<b>N. participants</b>	20
<b>Location</b>	The workshop takes place in a traditional alpine settlement; a building located in the settlement to be renovated and some existent buildings with particular significance from a didactic point of view are used as case studies for participants. The specific location of the QM could be the pilot building, a public building located in the alpine settlement or a “best practice building”.
<b>Target group</b>	<b>Craftsman and SMEs</b>
	Architects and Planners
Characteristics of the Qualification Module	
<b>Aims</b>	The aim of the Qualification module is to influence the way of working in the building renewal starting from to their experience and solving the energy problems and issues that they meet in the construction sites. The presentation of new technologies for the building and the plants and the correct use of materials and techniques brings innovation to their work.
<b>Methodic Approach</b>	The module is designed to maintain the learners' perspective: active learning and continuous reference to their own knowledge are used to better involve them in the module activities. The input regarding techniques and specific aspects of renovation techniques are limited to general and common aspects so as not to weigh the module down and to allow all categories of craftsmen to participate. The group work is used as a tool to stimulate co-operation among and between participants and to raise awareness of the INTERDEPENDENCE of their work. The results of the work group are presented to each other in order to share the experience and to involve the group. The didactic context is linked as much as possible to the constraints of the module: the analysis of a pilot building (ex: Gressoney La Trinité – pilot buildings Thumiger or Welf) near the classroom (city hall room/library) and the classroom in itself will be the reference for the technical contents. The aim is to keep the link to real experience of the participants as much as possible. The presence of some representatives of architects and planners could stress the problems related to the links between planning and building.
<b>Contents</b>	<ul style="list-style-type: none"> <li>▪ The AlpHouse Philosophy (traditional alpine architecture and energy efficiency);</li> <li>▪ Traditional building techniques and materials: hygrothermal properties and calculation of the energy performance</li> <li>▪ Presentation of a pilot building to be renovated: state of art and techniques for renovation</li> <li>▪ The influence of the air tightness of the building energy efficiency (with blower door test)</li> <li>▪ Moisture and interior insulation for traditional buildings</li> <li>▪ Energy efficiency of the plants and integration of the plants systems with the existent building</li> </ul>

Learning outcomes	<ul style="list-style-type: none"><li>▪ <b>Concerning AlpHouse philosophy:</b> Define and recognize the main principles of AlpHouse philosophy linked to their specific work field; distinguish what is not in line with AlpHouse philosophy (waste of materials and energy, use of esogenous techniques, useless technologies and so on); transfer the AlpHouse philosophy in their working choices related to specific renovation aspects.</li><li>▪ <b>Concerning the transfer AlpHouse approach:</b> implement an AlpHouse approach in their way of acting in house renovation; be coherent in using materials and techniques; manage new problems and be aware of the necessary compromises</li><li>▪ <b>Concerning the cooperation with different actors:</b> be able to discuss common problems with the other actors involved, to implement shared choices regarding the method of intervention and to solve problems regarding the general organization of the construction site</li></ul>		
Final Certification	Certificate of attendance of the QM		
Conception			
PP Leader	VDA – Autonomous Region of Aosta Valley, Department of Production Activities, Energy Direction Service for implementation of the energy plan and COA energia Finaosta		
Contact person	Arch. Chiara Bertolin – Arch. Favre Erika COA energia Finaosta		
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QM Experiences			
Performing institution	VDA – Autonomous Region of Aosta Valley, Department of Production Activities, Energy Direction Service for implementation of the energy plan and COA energia Finaosta		
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Status	done		
Location	Gressoney-La-Trinité (AO)		
Date	22 <sup>nd</sup> -23 <sup>rd</sup> February 2011		
Trainers	Chiara Bertolin – [Architect] – ITA – F – ENG	e-mail	bertolin@finaosta.com
	Erika Favre – [Architect] – ITA – F – ENG	e-mail	favre@finaosta.com
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	Christian Cavorsin – [Architect] – ITA – F – ENG	e-mail	c.cavorsin@atelierprojet.it
	Domenico Centelli – [Architect Cultural Heritage Department] – ITA - F	e-mail	d.centelli@regione.vda.it
	Cristina De La Pierre – [Architect Cultural Heritage Department] – ITA - F	e-mail	c.delapierre@regione.vda.it

<b>Available material</b>	<ul style="list-style-type: none"> <li>▪ Overview (ENG)</li> <li>▪ Folder (ITA)</li> <li>▪ Registration form (ITA)</li> <li>▪ Detailed programme (ITA)</li> <li>▪ *.ppt presentations of the contents (ITA)</li> <li>▪ QM evaluation form (ENG)</li> <li>▪ Certification (ITA)</li> <li>▪ Press releases (ITA)</li> <li>▪ Report (ENG)</li> </ul>
<b>Photos</b>	<p>QM 8.1 VDA – Lesson.jpg; QM 8.1 VDA - Visiting the pilot building.jpg; QM 8.1 VDA - Comments with Cultural Heritage Department.jpg; QM 8.1 VDA – Thermography.jpg; QM 8.1 VDA - Blower door test.jpg; QM 8.1 VDA - Group of SMEs participants</p> <p>On Line Photo Book of the Workshop: <a href="http://www.regione.vda.it/energia/alphouse/default_i.asp">http://www.regione.vda.it/energia/alphouse/default_i.asp</a></p>





...SUOLI ALPINI (LNSA), ISTITUITO NEL 2001  
...RESSO IL DIPARTIMENTO DI VALORIZZAZIONE  
...E PROTEZIONE DELLE RISORSE AGRO-FORESTALI  
...DELLA FACOLTÀ DI AGRARIA DELL'UNIVERSITÀ  
...DI TORINO. QUESTO  
**S'OLEN** LABORATORIO SI  
...PROPONE LO STUDIO  
...DELLE QUALITÀ CHI-  
...FISICHE DEL SUOLO E DEL MANTO NE-  
...IN AMBIENTE ALPINO. IN PARTI-  
...INDAGATI GLI EFF-... DEL-  
...SPITA"











Nomino Challancin

Christian Cavorsini

Mauro Perin

Annamaria Linty

Luciano Cordi

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Chiara Bertolin

Eligio Gontier

Ivan Rial

Georges Gontier

Daniele Squindo

Michel Quey

Arnoldo Welf

Mariagiovanna Casagrande

Francesco Parisi

Pietro Welf

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