

AlpBC WP 5 Inter-municipal concepts

- Analysis and Concept Building -

by LUH, ERS, VEN

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and Nuclear Security,

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(total: 857 pages)

0. Introduction

WP 5 has the objective of capacitating regional actors to apply holistic approaches to planning, to enhance the capacities of public authorities by providing them with tools and concepts on IMC and RCLE, and in a larger focus to draw concepts with regional stakeholders (public and private), how to valorize the potential of Alpine Building Culture in territorial development.

The overall setup of the WP provides a transferable approach also for other regions, and contributes to general advice for national and european levels (WP 8).

Firsthand and inside the project, WP 5 lays ground for regional implementations of IMC (intermunicipal concepts) in WP 6 and for the concept and programme of AHC (AlpHouse Centers) in WP 7.

With the single steps of WP 5

- a common framework of analysis and conception for IMC (5.1),
- the drawing of regional analysis and concepts (5.2), in combination of spatial planning, building culture and energy aspects with an intermunicipal focus,
- the inclusion of aspects of regional economy in the construction sector, connected to sustainability aims in RCLE (regional closed loop economies) (5.3),
- and the provision of good practices and in-depth case-studies for IMC (5.4), that at the same time provide direct access and contact for further field trips also for other Alpine regions.

With the inclusion and addressing of different stakeholder groups (already in analysis and especially in conception workshops and meetings), the interface to the future education programme and activities of the AlpHouse centers has been prepared, and materials for that are provided:

- regional and local decision makers, politicians, especially in small municipalities,
- administration experts and planners/construction firms from different sectors,
- house owners and investors
- general public
- tourists in the Alpine space.

Building also on the knowledge base of WP 4, therefore an ongoing knowledge transfer and involvement of all actors of Regional Building Culture can be set up and continued in the AlpHouse Centers.

1. Framework

Developing and Adapting framework and defining indicators and range of intervention for Inter-Municipal Concepts (IMC)

1.1 Framework for Inter-Municipal Concepts (IMC) (5.1 a, 5.1 c, 5.2 a)

- Guideline for IMC-related interventions and transnational strategy for integrative IMCs, for spatial development and planning p. 10

1.2 Definition of Indicators (5.1 b)

- (by RSA, see case study)

1.3 Framework for Evaluation and Mapping of Energy Requalification Issues (5.1 a, by VEN) p. 34

- Methodology for evaluating and mapping energy requalification needs and prioritizing interventions according to building stock and use criteria

2. Adaption of tools and methodologies for IMC

Adapting approved planning tools and methodologies to current challenges for IMC as Alpine Strategy

Annotation regarding 5.2 f:

Guidelines for renovation planning (NEO) have been eliminated in the output list by SG.

2.1 Regional concepts IMC (5.2 b) p. 39

PP	Pilot area	
LUH, HWK	Southern Part of Traunstein District	p. 41
RSA, WKS	Salzburg City and surrounding municipalities	p. 43
EIV	Vorderwald	p. 44
NEO	Biovallée	p. 45
SDC	Northern Primorska Subregion	p. 47
ERS	Middle and High Valtellina Mountain Communities	p. 48
VDA	Mountain Community Monte Cervino	p. 52
VEN	Dolomiti Alto Agordino	p. 54
TIS	Val Passiria	p. 55
PIE	Lanzo Valleys	p. 56

Main tasks:

- Strategy and scenarios
- Consultancy
- Incentive schemes
- Guidance docs
- Indicators / Tools

2.2 GIS tools (5.2 c) Adapt GIS-based technologies

- see RSA case study 5.4

2.3 AlpHouse Analysis (5.2 d) p. 57

AlpHouse analysis according to framework

PP	Pilot area	
VDA	Mountain Community Monte Gervino	p. 57
EIV	Vorderwald	p. 110
ERS	Middle and High Valtellina Mountain Communities additional regional analysis specific incentive schemes analysis	p. 145
LUH	Southern Part of Traunstein District	p. 379
NEO	Biovallée	p. 412
PIE	Lanzo Valleys additional regional analysis specific incentive schemes analysis	p. 426
RSA	Salzburg City and surrounding municipalities	p. 516
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TIS/EURAC	Val Passiria	p. 616
VEN	Dolomiti Alto Agordino	p. 670

3. Regional closed loop economies (RCLE) for the building sector

Identifying and developing potential and impact of regional closed loop economies (RCLE) for the building sector in regard to regional competitiveness

3.1 SWOT-analysis (5.3 a-f)

Overview (by ERSAF) p. 709

PIE Valli di Lanzo p. 720

VDA Valle d'Aosta p. 722

EIV Vorarlberg p. 736

ERSAF Lombardia p. 739

HWK Traunstein p. 741

TIS Val Passiria p. 744

Naturstein / Stone p. 747

SDC Northern Primorska Subregion p. 750

3.2 RCLE guideline report (5.3 g) (by ERSAF) p. 753

4. References and Case Studies for IMC

Integrative collection of national and regional best practices for IMC and development of supportive Case Studies implementing IMC with focus on cross-sectoral aspects, especially combining spatial/municipal planning with energy issues. The collection of Best Practices offers content and contacts for Field Trips, and is working as guide document.

4.1	Supportive Case Studies and included Best Practices (5.4 a-d, e-g) Introduction	p. 779
<i>PP</i>	<i>Case Study</i>	
VEN	Energy Use Planning in Alto Agordino	p.781
VDA	Integration of measures for energy saving and efficiency in the territorial planning of the Mountain Community Monte Cervino	p. 788
RSA	Upgrading of energy certificates with regional context information	p. 800
EIV	Concepts for sustainable development of intermunicipal enterprise-parks	p. 803
PIE	Sustainable development scenario for Lanzo Valleys	p. 805
PIE	Sustainable spatial planning in Lanzo Valleys	p. 809
4.2	Best practices (5.4 a-d)	
<i>PP</i>	<i>Best Practice</i>	
ERS	Micro Networks - Smart Grids: Spiga Smart Street Milan	p. 814
LUH	Intermunicipal development Grosses Walsertal	p. 815
LUH	Village development Fläsch	p. 816
EIV	"Gestaltungsbeirat" Regional Board for Building Culture	p. 818

1. Framework

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Guideline for Intermunicipal Concepts

The regional concepts for IMC are conceived as parts of a puzzle: Each concept as regional strategy is coherent with the specific regional aims - based on the analysis. At the same time the common framework and the cross-sectoral approach of WP 5&6 provide an inherent preparation for adaption. The collection of the regional concepts is guided by AlpBC's overall aim to strengthen territorial development through building culture. This big picture in the evaluation and transfer of WP 5&6 is drawn as transalpine approach that is based on the adapted and specific regional concepts. As drafted in the diagrams the process planned as:

- Selection of the Pilot Area
- Analysis of the Pilot Area
- Stakeholder Involvement
- Conception of regional strategies
- Implementation in the Pilot Area
- Documentation and evaluation

1. PILOT ACTIONS - ANALYSIS AND PREPARATORY WORKS

1.1 Selection of Pilot Area

see Factsheet Pilot Area in attachment

1.1 Analysis of Pilot Area

see Framework of Analysis in attachment

1.2 Best practices Analysis

see Factsheet Best Practices in attachment

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in Kooperation mit der Bayerischen Architektenkammer, Waisenhausstr. 4, D-80637 München

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Economy, Infrastructure, Transport and Technology

2. PILOT ACTIONS – INNOVATIVE MEASURES

2.1 Decision making supporting tools and methodologies (Consultancy)

2.1.1 Screening for the possible role of consultancy

The consultancies can be operated on two levels:

Municipality level:

- Consultancy to recommend and advise communities regarding building culture and design guidelines to secure quality and planning principles in accordance with Alpine building tradition and modern interpretation.
- Consultancy to host energy conferences of intercommunal building committees
- Consultancy operating in the fields of urban development, building development, spatial management, architectural competitions, construction management, funding options

Private level:

- Consultancy to extend the existing energy advisory service offered by the Ökomodell Achental
- Consultancy to focus existing projects and initiatives to support efficiency and speed up processes
- Consultancy to add to existing services to cover the region
- Consultancy operating in the fields of: energy, urban development programmes, town center renewal programmes, design guidelines, district level, regional management, Chiemgau Tourism, LEADER

2.1.2 Developing the organisation of consultancy

-Committee /commission:

advice, survey, dialogue, advice for funding options, identification of individual focus areas of the communities, integrated development planning, joint project development

-Building forum/consultation hour:

Public platform to discuss projects, dialogue with political bodies and the public

-Mobile idea workshop:

Participation and co-determination of different groups, exchange of experiences, open-source procedures

-Guidelines:

Intermediate energy and design principles on community level, create sound and future-oriented solutions through creation of a “Leitbild”, planning frame that can be updated continuously

- „Baubook“:

Online-tool for planners, tenders and trade

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-Award/ Competition:

Secure and improve quality

-Consultancy certificate:

Guideline to coordinate builders, owners, trade, administration and architects

2.1.3 Transferring to further tasks of consultancy

-Improvement of spatial planning and building culture across community borders

-Improvement of existing consultancy of the Ökomodell Achental

-Inclusion of other groups such as trades people etc.

-Improve communication/ tools/ PR

-Cooperate with local SME's

-Restrict use of vacant space

-Infrastructure

2.2 Strategies and scenarios

Related to the regional specific setup of planning systems the possible thematic fields and governance processes for intermunicipal cooperation are to be clarified. According to this, in a range from common plans (in the Italian and French cases) to common strategies and conventions (in the German and Austrian cases) the identified thematic fields of cooperation are to be implemented for the IMC.

Generally the coordination between energy planning and spatial development is a core aim of the IMC, and has to be specified according to the regional planning and governance systems.

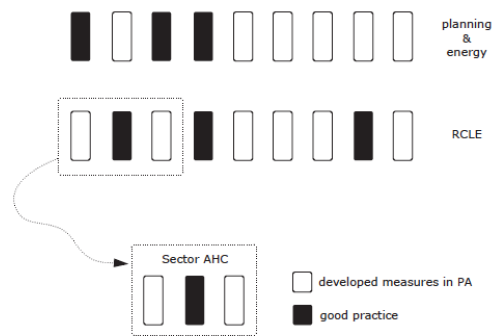
For transnational added value effects during the concept and implementation phase of WP 5 & 6, and for transfer beyond the project AlpBC, a **transferable catalogue of measure portraits** will be set up. It consists of good practice measure portraits (output of WP 4.2), and of the portraits of further developed measures in the Pilot Areas that are to be inserted during the next steps of the project. Measures are - according to the WP 5 & 6 activities - planning tools and programmes, evaluation tools, planning and decision processes, counselling tools, incentive tools.

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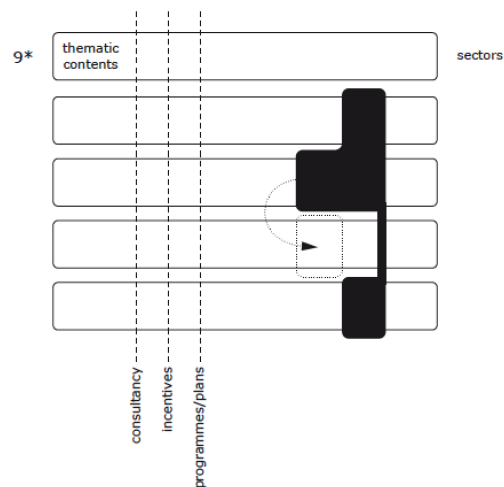
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Structure of the catalogue of measure portraits:

1. in the categories "energy&planning"-oriented measures, or "RCLE"-oriented measures.



2. in the thematic sectors of the Althouse Centers currently developed for WP 7, to facilitate transfer and coordination between WP 5 & 6 and WP 7 activities.



2.3 Proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

2.4 Guidance docs / guidelines / recommendations

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Tab.01 -Basic Data

country	Germany
region (NUTS 2)	Upper Bavaria
district /province (NUTS 3)	Traunstein
name of pilot area:	southern part of Traunstein district
in case LAU 1	-
area (km ²)	688,14 (km ²)
population	12524
participating municipalities:	7 + 6
names: (LAU 2)	Schleching, Unterwössen, Staudach- Egerndach, Grabenstätt, Bergen, Übersee, Markt Grassau, Marquartstein Reit im Winkl Ruhpolding Inzell Siegsdorf Vachendorf

Fig. 01 - location of the pilot area in the alpine territory

-fill in map of the alps showing the location of your region
(will be done by LUH)

-fill in photographs of your pilot area, show the characteristics of settlement and landscape

Fig. 02 - impression of the pilot area



Txt. 01 - description of the pilot area

- description of the pilot area

type text, arial 10pt, 200 Words

Fig. 03 - map of the pilot area

-fill in a topographical map of the pilot area with the boundaries, Scale 1:200.000 (but in 1:25000 Quality)

(-> Attachment: .put shp file of pilot area boundaries!)

Txt. 02 - inter-municipal dimension

- description of the inter-municipal dimension and of the existence of some intermunicipal political structure, programming instrument, or policy framework for territorial development

type text, arial 10pt, 250 Words

Txt. 03 - relevance of the selected pilot area

- description of the relevance of the selected pilot area in an alpine perspective

type text, arial 10pt, 250 Words

Txt. 04 - possible capitalisation effects

- description of the possible capitalisation of AlpHouse results and of the results of other european, national and regional projects and initiatives

type text, arial 10pt, 250 Words

Txt. 05 - expected impact based on stakeholder constellation

- description of the expected impact based on stakeholder constellation and motivation

type text, arial 10pt, 250 Words

Txt 06 - first remarks to challenges and potentials

- description of the first remarks to challenges and potentials

1. building culture
2. combined urbanistic and energetic planning issues
3. closed loop economies in the construction sector
4. (consultancy strategies focussed on building culture)
5. specific incentive schemes

type text, arial 10pt, 600 Words

A.1 General Guidance to the Energy Valleys Approach focussed on Building Culture

A.1.1 About the analysis framework

The framework is oriented to the AlpBC's overall aim to strengthen territorial development through building culture. For the Energy Valleys of WP 5 and 6 the framework guides the regional analysis, good practice research, conception and implementation.
(See procedure diagram in the attachment)

The framework is organised according to the main components of Energy Valleys: combined urbanistic and energetic planning issues, innovative consultancy strategies focussed on building culture, strengthened closed loop economies in the construction sector, and specific incentive schemes.

For the first part of the combined urbanistic and energetic planning issues the framework offers a twofold procedure:

- **“the transalpine part” is a common collection of basic data** and basic analysis, that serves to define a transalpine starting point for the pilot areas, and that later on allows to draw a transalpine transfer strategy based on a general picture of the diversity of Alpine regions. This collection makes use of the materials already collected and described in the Pilot Area factsheets.
- **“the regional specific analysis” and a suggested guidance** through the necessarily different regional analysis work. Its structure and contents are not mandatory but have to be conceived by each partner according to the focus of his Energy Valley concept and the existence of required data.

A.1.2 About the good practice analysis

The good practice analysis needed by each project partner, according to the specific focus of his Energy Valley concept, is guided by a factsheet. The collection of the factsheets facilitates for all partners an easy access to the materials.

The good practice analysis is supporting the individual regional conceptions of Energy Valleys, together with early information of all partners about the focus of their conceptions - for possible transfer, differentiation and sharpening of approaches.

(See factsheet Good Practice for urbanistic and energetic planning in the attachment; the factsheets for consultancy, regional economies, incentive schemes will follow)

A.1.3 About the regional conception and implementation phase

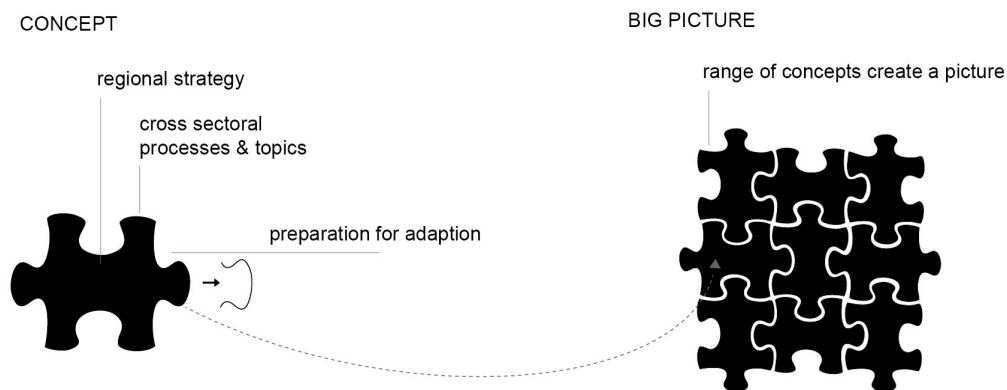


Fig.1: Regional Energy Valley concepts as parts of a puzzle, forming a big picture of Building Culture as driver for regional development (Figure by Landraum)

The regional concepts of Energy Valleys are conceived as parts of a puzzle:

Each concept as regional strategy is coherent with the specific regional aims - based on the analysis. At the same time the common framework and the cross-sectoral approach of the Energy Valleys provide an inherent preparation for adaption.

The collection of the regional concepts is guided by AlpBC's overall aim to strengthen territorial development through building culture. This big picture in the evaluation and transfer of the Energy Valleys is drawn as transalpine approach that is based on the adapted and specific regional concepts.

A.1.4 About the Energy Valley handbook

With the evaluation of the regional conception and implementation of Energy Valleys, the framework is optimised and re-drawn in form of a collection of handbooks for transfer.
(See procedure diagram in the attachment)

[VEN]

A5.1c

Methodology for evaluating and mapping energy requalification needs and prioritizing interventions according to building stock and use criteria

Last Update: _____

Expected end of the Activity: July 2013

1. Basic information

<i>Organisation</i>	Veneto Region – Urban Section
<i>Contact person</i>	Claudio Chiapparini
<i>Telephone</i>	+39 041 279 2070
<i>Email</i>	alpbc@regione.veneto.it

2. Description of the methodology

The energy issues is an important theme that could be integrated in the actual development of spatial and territorial tools in order to take into account also this very important and dynamic theme within the territorial development. According to the scope of spatial planning, as an important instrument to make development process happens in a regulated way and aiming to implement strategic policies, the idea to integrate in the existing planning tools energy issues in its whole dynamic (inserting and analysing the demand side and not only the location of production plants) has become a very actual point.

This activity should help in covering the lack of information often existing and overcoming this barrier in order to facilitate the refurbishment of the building stock regarding its energy efficiency as well.

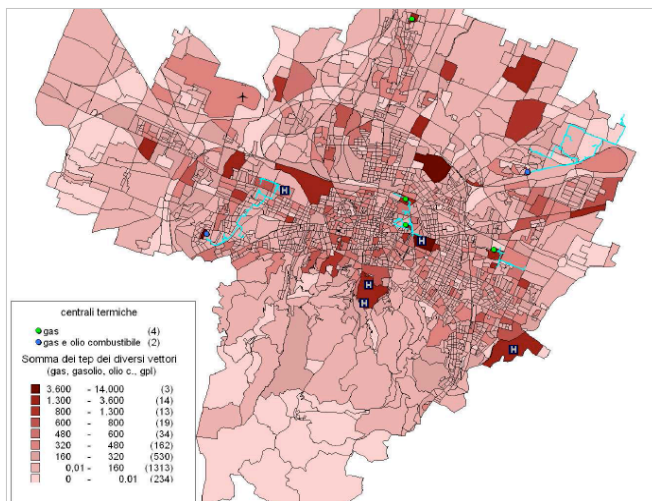
The main steps of this methodology are three:

- Definition of districts
- Definition of improvement measures
- Set-up of priorities

Definition of districts

The first step is about mapping: the urban area should be analysed in order to separate different district with homogeneous characteristics regarding the energy needs: the criteria used can concern

the age and the size of the buildings, the type of fuel used for heating, the building techniques, the typology of the roofing, and others more connected to the local peculiarity.

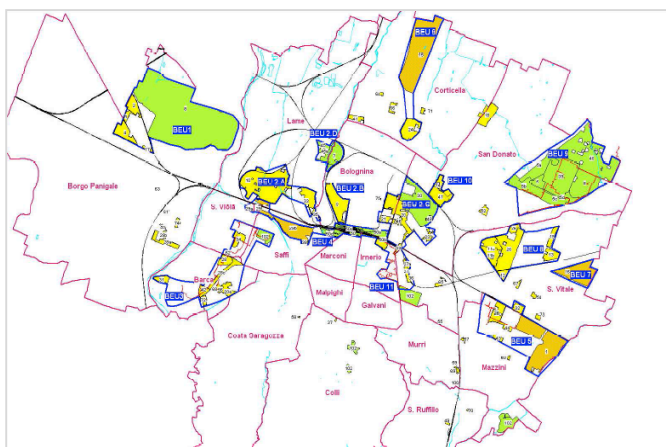


All the gathered data can find a representing visualisation in thematic maps: here one example of a map showing the buildings in different colors related to the power of the heater installed.

For each thematic issue (fuel, estimated consumption, typology of roofing etc...) one map will be issued.

Using the different maps produced and interlaying them it is possible to make an analysis of the settlement based on energy issues.

The output of this first step should be a map with the energetic districts outlined and accompanied by the explanation of the characterisation used and the main energy data available.



Here beside one example of a town map considering different energy districts where similar conditions reign and on which several considerations and hypothesis can be developed into strategic scenarios.

Moreover different strategies can affect different districts because of their different needs, so on this base it could be possible to have a municipal building code taking into account the presence of different energy districts and introducing different requirements in different areas.

Definition of improvement measures

After the definition of the energetic districts and basing on the results within obtained, the next step concern the definition of the measures which can be adopted for the achievement of a better energy performance of the building stock.

The main measures defined should address interventions on the building envelope (refurbishment of roofs, external walls etc...), on the energy supply (substitution of fuel, boilers, heating concept of the building or of the whole area, etc...) and on the integration of renewable energy sources.

All the measures are to be analysed for the expected improvement on the consumption side (savings calculation) but also on their economic impact (cost analysis, cost/benefit ratio).

Set-up of priorities

The estimated impact on both economic and energetic aspects make the first ranking on the priority of each single measure.

Within this third step all the measures defined are combined in some scenarios to investigate the development of the energy performance of each energetic district in a medium term horizon (10-15 years): not only the cost/benefit ratio has to be investigated within this step, but has to be considered in the framework of the energy policies and the efficiency achievement pursued.

All the possible measures are to be defined in relationship to the defined energy districts, and for each of them and for each measure it is important to set the related priority. So it can happens that for one district the production of domestic hot water from solar thermal has a very high priority (because of the adequate roofing orientation, on the existence of centralized DHW systems, etc...) and for another one the solar thermal is no option at all.

ACTIONS

ENERGY

COLORS AND COMMENTS AS

In the example beside the table is representing the matrix where for each energy district the possibilities of adoption and implementation of the selected actions are commented and prioritized.

The table can also contain indications about the

2. Adaption of tools and methodologies for IMC

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Main tasks:

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- Guidance docs
- Indicators / Tools

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- see RSA case study 5.4

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PILOT AREA	PP	1) Strategies and scenarios	2) Consultancy	3) incentive schemes	4) Guidance docs
Southern part of Traunstein district	HWK				
Southern part of Traunstein district	LUH	<ul style="list-style-type: none"> intercommunal and cross-sectoral spatial development strategy existing network of the „Ökomodel Achenal“ sensitize the interrelation of energy management, spatial decision making and building culture best practice examples for the key aspects joint intention paper for all communities 	<ul style="list-style-type: none"> qualitative interviews and tours through the region for a screening for the possible role of consultancy Focus themes will be integrated into the consulting activities strategy for consultancy will support the implementation of competitions 	<ul style="list-style-type: none"> interrelation of energy and planning schemes program for public buildings to implement both processes in combined form improvement of communal and regional funding and subsidies Field trips to exemplary case studies 	<ul style="list-style-type: none"> guideline for public buildings with regards to the strategy key themes recommendation for the regional development strategy in energy and building culture
Salzburg City and surrounding Municipalities	RSA, WKS	<ul style="list-style-type: none"> concept for joint use of infrastructure and other information for planning and energy issues 	<ul style="list-style-type: none"> Consultancy of authorities which data to use and integrate in inter-municipal and cross-sector planning base and how to operate with it 	<ul style="list-style-type: none"> proposal for the integration of indicators for spatial site assessment factors as part of incentive conditions 	<ul style="list-style-type: none"> Recommendations for integration and application of indicators, tools and potential use cases for updates of the incentive scheme
Vorderwald	EIV	<ul style="list-style-type: none"> firewood market reduce the use of fuel oil and other fossil fuels extended use of energy wood from the region goal: no household at all is using an oil boiler any more 	<ul style="list-style-type: none"> constant publicity and information work, better understanding of the native forests small wood pieces will experience a greater use of energy wood livestock and fuel wood is provided for the region. added value for the region from the local forests should be increased. 	<ul style="list-style-type: none"> Interested parties who wish to work up firewood shall be collected and made available to forest owners in a list. In the entire eight municipalities the offers and needs of firewood will be published. 	<ul style="list-style-type: none"> some coordinated teams of forest owners and wood advertisers already working together
(Mobilitätsprojekt)	EIV				
Biovallée®	NEO	<ul style="list-style-type: none"> positive energy territory 2040 inventory of actual energy consumption and WGH emission define a 5 years energy action plan -> POET elaborated in a collaborative and consensual way with all communities representatives value existing actions define structuring and replicable actions 	<ul style="list-style-type: none"> hired since 2012: “CEP” = shared energy advisor assisted in project management supported by the “Point Information Energie” (PIE) signed for “DOR&M”: implementation of a low energy building renovation plan supported by other organisations, associations or technical experts 	<ul style="list-style-type: none"> to undertake low energy retrofitting of their housing: Local authorities can: <ul style="list-style-type: none"> encourage SMEs to join together and implement Standard Technical Solution 0% interest loan and/or credit taxes encourage Mixte Economical Company, to collect local public and private fundings 	<ul style="list-style-type: none"> “BilanCarbone” analysis (WGH inventory) prospective analysis to define main objectives of the territory concerning energy approved a scenario of energy reduction and renewable energy production by 2040
Northern Primorska subregion	SVD				
Media e Alta Valtellina Mountain Communities	ERSAF	<ul style="list-style-type: none"> integration of urban planning with energy efficiency possibility to study a close-loop economy approach in the PA A proposal of measures/addresses A “position paper” supporting the PTIRA overview of the current situation in the PA 	<ul style="list-style-type: none"> collaboration with the Pole of the Innovation, Politec Valtellina “Progetto Energia” -> energy protocol Realizing a centre for energy efficiency; many opportunities to develop a strong collaboration in consultancy e.g.: Creating an energy efficiency board 	<ul style="list-style-type: none"> Proposals of new incentives and facilities supporting the realization of developed strategies and scenarios concern both single buildings and Plan of Services in Municipal Planning Tools. 	<ul style="list-style-type: none"> overview of the current situation in the pilot area reporting on potentials of local resources (materials, energy sources, know-how), goal: provide recommendations develop a close-loop economy approach in the construction sector
Mountain Community Monte Cervino	VDA	<ul style="list-style-type: none"> collecting all the data on the energy flows identify the energy characteristics of the area analysis will focus mainly on public owned energy utilities strategy for the inter-municipal energy planning identification of concrete actions directly applicable to the local situation involve local authorities and actors operating in the energy sector 	<ul style="list-style-type: none"> through the system of the AlpHouse Center survey among the professionals of the Aosta Valley Region organization of a series of participated meetings with specific topics case-studies: active involvement of professionals and local administrators in a training activity with experts information desk “Info Energia Chez Nous” provides advises 	<ul style="list-style-type: none"> new format: each PP can insert different types of incentive linked to the construction and energy sector in the regions involved intends to develop a vademeccum elaboration of new proposals of incentives 	<ul style="list-style-type: none"> Sample of Energy Annex as support and optional tool to be integrated in the redaction of Municipal Master Plan the energy balance of the inter-municipal area methodology adopted for the preparation of the inter-municipal energy balance, as support tool for professionals, municipalities and decision makers.
Dolomiti Alto Agordino	VEN	<p>a) Energy Strategy for the building stock in PA</p> <p>b) Strategic document for the Veneto Alpine area on upgrading current policy and programming instruments for upgrade related sectoral policies</p>	<ul style="list-style-type: none"> Report on current institutional competences, practices, needs and potentials in Urbanistic departments of pilot municipalities Creation of AlpBC contact points in Pilot Municipalities, collaboration with the Province of Belluno, EU project COME (tbc) 	<ul style="list-style-type: none"> Elaboration of proposals for new form of incentives re-direct incentives already foreseen in Urban Planning instruments (e.g. volumetric prizes and reduction of urbanization fees) Indications for programming of ERDF, EAFRD, ESF funds (Multi-fund approach) 	<ul style="list-style-type: none"> model of Energy Annex to the urban planning instrument at municipal/inter-municipal level guidelines for municipalities willing to implement concrete energy saving and efficiency measures in their Intervention Plans
Val Passiria	TIS	<ul style="list-style-type: none"> Integrated energy strategy at inter-municipality level: supporting three municipalities in developing a common Sustainable Energy Action Plan (Joint Seap). developed in Phases best case scenario/optimistical scenario 	<ul style="list-style-type: none"> Consultancy in development of a Joint SEAP Coordination of running projects on sustainable development in the valley and their alignment towards the SEAP 	<ul style="list-style-type: none"> providing information on accessible incentive schemes on european, national and regional level for implementing SEAP actions check eligibility 	<ul style="list-style-type: none"> Convenant of Mayors Sustainable Energy Action Plan European Energy Award CapaCITY training platform Sustainable Energy Communities Web Portal Climate Alliance
Lanzo Valleys	PIE	<ul style="list-style-type: none"> stimulating territorial potentials and their mobilisation providing support for territorial planning processes at local and intermunicipal level guidelines for energy renovation in traditional buildings and settlements 	<ul style="list-style-type: none"> to be developed 	<ul style="list-style-type: none"> check eligibility of existing funding schemes eventually suggestions for new incentives aimed at implementing shared scenarios and actions 	<ul style="list-style-type: none"> Outputs: <ul style="list-style-type: none"> methodological guidance to replicate and transfer the approach guidelines for energy renovation of traditional buildings and settlements
	BAL				

PILOT AREA	PP	5) Indicators/ Tools
Southern part of Traunstein district	LUH	<ul style="list-style-type: none"> – first information workshop and identifying the regional stakeholder steering group – qualitative interviews – workshops for decision makers and administrative staff of the municipalities
Salzburg City and surrounding Municipalities	RSA, WKS	<ul style="list-style-type: none"> – Spatial indicators for energy certificates – GIS web-tool to analyse sites – relevant influence factors
Vorderwald	EIV	tbd.
Biovallée®	NEO	<ul style="list-style-type: none"> – Tools for elaborate a territory Energy planning : "ClimaPratic" – Tool for decision making and dimensionning of action for energy planning = cards game – sheet template for describe and follow each action of energy planning
Northern Primorska subregion	SVD	
	ERSAF	<ul style="list-style-type: none"> – indicators for the regional level of Lombardy Region and for local institutions – mainly related to the number and level of institutional bodies involved – first stakeholder workshops – planning to continue with this strong cooperation : – enlarge involved actors – transfer results of performed pilot activities to political bodies not directly involved in this experimentation
Mountain Community Monte Cervino	VDA	<ul style="list-style-type: none"> – questionnaire to individuate the experiences and the best practices of the energy sector in the regional context – guidelines and technical guidance as a tool of action to sensitize and enhance the capacities of the regional and municipal politicians, of the planners and the regional actors – identify a set of recommendations adaptable to similar contexts.
Dolomiti Alto Agordino	VEN	<ul style="list-style-type: none"> – development of innovative method for studying aggregates for energy policies the method might include: - A decision making supporting tool - WEB GIS mapping of the building stock energy performance; - A method for zoning the IM territory and identify potential efficiency targets
Val Passiria	TIS	<ul style="list-style-type: none"> – Letter of commitment – Decision making supporting – Methodologies: SEAP guidelines, EEA guidelines; In-house methodology for building stock assessment
Lanzo Valleys	PIE	<ul style="list-style-type: none"> – the ITACA Protocol for urban level currently under development – the idea is to adapt and test in the pilot area a set of indicators to measure the level of sustainability of territorial processes
tbd.	BAL	

CONCEPTION FOR THE REGIONAL SPECIFIC ENERGYREGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: LUH

Name of Pilot Area: Southern Part Of Traunstein District

1) Strategies and scenarios

The focus of LUH lies in an intercommunal and cross-sectoral spatial development strategy. Aim is to develop the intercommunal implementation process over the course of the project and depends on political factors. Basis of this strategic development is the existing network of the „Ökomodel Achental“. This network was extended by three additional communities in the pilot region of Achental. Collecting data, information and maps of all communities involved followed the key aspect of spatial and energy planning themes, namely the relationship of tradition/ heritage and modernism, energy parks as holistic strategy/ satellite areas, industrial and commercial areas as satellites, single housing settlements and the possibilities of footprint savings i spatial management, post agrarian building stock in regards to vacancies and re- use possibilities, touristic building /strategy for small scale structure /new specific hotel projects, town centers and their retail options and new forms of community living (cross generation etc.) After detailing these key aspects, the analysis will influence the procedure to identify points of intervention in the planning process for concrete actions on a local level. Furthermore, the strategy aims at possibilities to sensitize not only policits and administration but also trade, economy and citizens to the interrelation of energy management, spatial decision making and building culture. To enhance this scheme, best practice examples for the key aspects are investigated and used for sharing experiences and promote possible transfer aspects to the region, and proposals will be aiming at a joint intention paper for all communities to collaborate on the issues and challenges listed above.

2) Consultancy

The consultancy strategies will be based on the key aspects mentioned above and collated in the basic analysis for the transalpine part. The qualitative interviews and tours through the region were aimed at a screening for the possible role of consultancy which will be followed by a screening for the possible organisation of consultancy. In connection with best practice examples and stakeholder workshops further tasks of the consultancy will be selected. Focus themes from the regional specific analysis such as footprint savings in spatial management,renovation in regards to vivid town centers and securing the regions' infrastructure will be integrated into the consulting activities. Furthermore, the strategy for consultancy will support the implementation of competitions and therefore securing advantages for the regional building culture. The sustainability of the consultancy strategies will be monitored and possible outputs amended accordingly.

3) proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

The incentives suggested by LUH will be concerned with the interrelation of energy and planning schemes focussing on a program for public buildings to implement both processes in a combined form. The improvement of communal and regional funding and subsidies can be another component of the overall scheme for new incentives. Field trips to exemplary case studies will support the exchange of knowledge and provide networking possibilities.

4) Guidance docs / guidelines / recommendations

To integrate the combined energy and planning approach into the regional decision-making processes, LUH aims at developing a guideline for public buildings with regards to the strategy key themes .

This will be underlined by a recommendation for the regional development strategy in energy and building culture.

5) Indicators, decision making supporting tools and methodologies

After hosting a first information workshop and identifying the regional stakeholder steering group, LUH is in the process of conducting qualitative interviews with all relevant stakeholders and their position regarding the key themes. More workshops for decision makers and administrative staff of the municipalities will sharpen and develop the consultancy strategy and individual roles further

6) Other

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CONCEPTION FOR THE REGIONAL SPECIFIC ENERGYREGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: Research Studios Austria - Studio iSPACE

Name of Pilot Area: Salzburg City Region

1) Strategies and scenarios

Development of a concept for a joint use of infrastructure and other information for planning and energy issues.

2) Consultancy

Consult authorities in which data to use and integrate in inter-municipal and cross-sector planning base and how to operate with it

3) proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

Development of a proposal for the integration of indicators for spatial site assessment factors as part of incentive conditions

4) Guidance docs / guidelines / recommendations

Recommendations for integration and application of indicators, tools and potential use cases for updates of the incentive scheme

5) Indicators, decision making supporting tools and methodologies

Spatial indicators for energy certificates,
GIS web-tool to analyse sites according to infrastructure and other planning and energy relevant influence factors

6) Other

CONCEPTION FOR THE REGIONAL SPECIFIC ENERGYREGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: Energieinstitut Vorarlberg

Name of Pilot Area: Vorderwald

1) Strategies and scenarios

The aim of the firewood market is to reduce the use of fuel oil and other fossil fuels by extended use of energy wood from the region. Thus we come closer to the goal that no household at all is using an oil boiler any more.

2) Consultancy

With the constant publicity and information work, a better understanding of the native forests is sought. In particular, the small wood pieces will experience a greater use of energy wood. Thus, a contribution is made to the preservation of "Plenter forests" and also livestock and fuel wood is provided for the region. In the medium term added value for the region from the local forests should be increased.

3) proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

Interested parties who wish to work up firewood shall be collected and made available to forest owners in a list. In the entire eight municipalities the offers and needs of firewood will be published.

4) Guidance docs / guidelines / recommendations

After the use of a forest energy wood is not always cleared out of the shock. The reasons are manifold: the owners live far away, they do not have the ability to make own firewood or they don't need it. On the other hand, there are prospects for firewood, which itself also want to lend a hand, but do not have a forest. The ☒ of the Vorderwälder "firewood market" is to bring these two groups together. For this purpose, it is first to raise the stock: who has interest to make firewood itself? It is also important to inform forest owners that there is the opportunity to reappraise the remaining wood. In return, the cleaner receive the firewood for free.

5) Indicators, decision making supporting tools and methodologies

6) Other

CONCEPTION FOR THE REGIONAL SPECIFIC ENERGY REGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: NEOPOLIS CCI of Drôme

Name of Pilot Area: Biovallée

1) Strategies and scenarios

In 2011 Biovallée has carried out a strategical study to define a scenario in order to become an positive energy territory within 2040. (this study has been subcontracted to INDDIGO). This scenario is declined in **2 main objectives** : divide by 2 the energy consumption of the territory (=goal 1 : energy saving) and cover energy consumption by 100% of renewable energy within 2040 (=goal 2 : change energetic mix) .

The inventory of actual energy consumption and WGH emission of the territory has been made for the 3 main uses : product consumption, mobility, housing .

In 2013, Biovallée wants to define a 5 years energy action plan in order to put the territory in the **right path for reach the 2040 objectives**. This energy action plan is called "PCET = Plan Climat Energie Territoire.

It will include several actions which will address all priority sectors (building, transport,...) and will involve a wide range of actors (citizens, SMEs, public authorities, farmers, banks, investors, energy producers ...).

The action plan must be elaborated in a collaborative and consensual way with all communities representatives with the purpose to be voted in september 2013. It must value all the existing actions in favour of energy saving and rREN production and define structuring and replicable actions to allow sustainable and high impact results.

2) Consultancy

- Since avril 2012 Biovallée has hired a "CEP" = "conseiller en énergie partagée" = shared energy advisor. This specialist of energy helps cor to define relevant action in favor of energy saving and to support project for renewable energy production.
- In avril 2013 Biovallée also called upon for assistance in project management : the consortium "Institut Negawatt+ Enertech+Solagro+Hesp has been chosen for this supporting role because they offer a complementary expertise in energy in building, biomass in agriculture, and renewable energy for electricity; they will animate seminars and cards games (see tools).
- Biovallée is supported by the "Point Information Energie" (PIE) of Drôme department which is a local agency of energy. It has for mission to organize raising awaressnes campaign in favor of energy saving and REN development, to support citizens and local authorities to carry out energy savings actions, to inform them about existing incentives schemes
- Biovallée has signed an agreement with professional organisations, training centres (including Néopolis) and energy experts. All these partners advise and support Biovallée for the implementation of a low energy building renovation plan whose project name is "DORéMI".
- Biovallée is also supported by other organisations, associations or technical experts involved in energy, building and social economy and which provide advice and solutions in technical, finance, social and management fields : ex Le CALD (Conseil en Amélioration de l'habitat de la Drôme) , RAEE(Rhone-Alpes Eco Energie), PNRV (Parc Naturel Régional du Vercors) , Enercoop (a cooperative energy supplier),...

3) proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

- In order to encourage building owners to undertake low energy retrofitting of their housing, several incentives schemes have to be develop in order to ease the financing of the work :
- 1°) Local authorities with the support of associations can undertake actions for encourage SMEs from different jobs to join together in SMEs consortium and train them to the implementation of Standard Technical Solution. (ex DORéMI, ex: "STR" from Enertech, ex: Action Groupements of "Cluster Rhone-Alpes Eco Energies"); thanks to that the cost of the retrofitting work could be reduced.
- 2°) Local authorities with the collaboration of associations can support building owners for identify all grants, 0% interest loan and/or credit taxes to which they can access for finance their energy saving actions.
- 3°) Local authorities can initiate or support the creation of Mixte Economical Company whose role is to collect local public and private fundings for finance project for energy saving or renewable energy production (wind turbine, PV farm, village biomass heater,...)

4) Guidance docs / guidelines / recommendations

- in 2011 Biovallée have ordered a "BilanCarbone" analysis (WGH inventory) => supply of information about

WGH emission and energy consumption per usages (building, mobility, product consumption).

A detailed file about building consumption is supplied in this study.

- In 2011 Biovallée have ordered a prospective analysis to define the main objectives of the territory concerning energy savings and renewable energy production.

- End 2011, the Communities Council of Biovallée has approved a scenario of energy reduction and renewable energy production by 2040; this has paved the energy transition path desired by Biovallée by 2040.

5) Indicators, decision making supporting tools and methodologies

Tools for elaborate a territory Energy planning : "**ClimaPratic**" created by ADEME.

Tool for decision making and dimensionning of action for energy planning = **cards game** created by Solagro

Establishment of **sheet template** for describe and follow each action of energy planning, figuring indicators for measure action progress, quantify the actions in terms of investment and operating costs, and assess the impact in terms of energy saving, avoided WGH job creation and fiscal added value .

6) Other

CONCEPTION FOR THE REGIONAL SPECIFIC ENERGYREGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: Soča Valley Development Centre

Name of Pilot Area: Northern Primorska Region

1) Strategies and scenarios

Overall energy concept for pilot region is build upon:

- a) Regional low carbon strategy (input: carbon footprint of the region)
- b) Action plan for increasing wood chain competitiveness - Slovenia 2020
- c) Regional development plan for Goriška region
- d) Municipal spatial plans of the participating municipalities

2) Consultancy

Consultancy is provided by Regional energy agency (GOLEA) and will be complemented by implementation of AHCP/ROC

3) proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

Basis for different incentives is the Regional development plan - implementation part

Most important documents that facilitate the realisation of the regional strategy are: Detailed municipal spatial plans, Forest management plan for Tolmin forest region, SEAP (two municipalities are in the process od development), biomass district heating systems study

4) Guidance docs / guidelines / recommendations

Guidelines and recommendations will be provided by AHCP/ROC and according to the needs.

5) Indicators, decision making supporting tools and methodologies

indicators:energy consumption, CO2 emmissions, regional energy self-sufficiency rate, share of NZEB (new and renovated)

6) Other

CONCEPTION FOR THE REGIONAL SPECIFIC ENERGY REGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: ERSAF

Name of Pilot Area: Media e alta Valtellina

1) Strategies and scenarios

Regarding to the strategy to develop, there are two topics to address. The first one concerns the integration of urban planning with some aspects connected with energy efficiency and the second one weights up the possibility to study a close-loop economy approach in the pilot area.

First of all, the main strategies and activities, whose aim is to combine spatial planning developed in Planning Tool Media and Alta Valtellina and energy planning with the strong involvement of the Province of Sondrio, will have to provide:

- A proposal of measures/addresses to integrate energy planning elements in urban planning;
- A "position paper" supporting the PTRS Steering Committee to orient the Plan of Services in Municipal Planning Tool to promote the services improvement, fostering the link between the building and settlement.

Secondary, the pilot activities that will start from an overview of the current situation in the pilot area reporting on the potential of local resources (materials, energy sources, know-how), are going to provide recommendations in order to, starting from these elements of capability, develop a close-loop economy approach.

2) Consultancy

Ersaf is going to start a collaboration with the Pole of the Innovation – Politec Valtellina that is carrying on a Project about energy efficiency called "Progetto Energia" and in this contest it is developing an energy protocol in order to promote the creation of a public desk to support citizens and enterprises by energy consultancy, training courses and assistance about energy efficiency. Since

the main aims of Politec Valtellina are:

- Realizing a centre for energy efficiency;
- Creating an energy efficiency board involving stakeholders of production chain of energy efficiency and sustainable construction industry;
- Developing an Energy certification Protocol in order to improve the compulsory energy certification of buildings of Lombardy Region.

There will be many opportunities to develop a strong collaboration in consultancy.

3) proposals of new incentive schemes /facilities supporting the realization of developed

Proposals of new incentives and facilities supporting the realization of developed strategies and scenarios concern both single buildings and Plan of Services in Municipal Planning Tools. At the building level these incentives should promote the improvement of energy quality, for instance building envelope and heating or cooling plant performances, of every dwellings and in particular of second homes. Regarding the second homes, it should be a good point to find the right way to encourage the owners to use/renovate their dwellings and in this case the model of scattered hotel could represent a good solution to enhance the value of settlements and buildings and increase the use of this building stock.

At the Planning tool level, the Plan of Services in Municipal Planning Tools might help citizens to understand that their buildings are little pieces of a puzzle that is represented by the settlement closely related with a complex network of public services and facilities. This approach could replace old policies about planning services in municipalities with a new integrated approach that aims to consider the planning of buildings and services like a whole thing. This kind of policy could improve the quality of services inside the urban fabric and become a new model to plan settlements.

4) Guidance docs / guidelines / recommendations

Since Sondrio Province (as Observer) is interested in fostering closed-loop economies in the territory, the available local materials and resources will be studied in order to assess the potential in reference to building sector. The pilot activity is going to start from an overview of the current situation in the pilot area reporting on the potential of local resources (materials, energy sources, know-how), with the goal to provide recommendations in order to, starting from these elements of capability, develop a close-loop economy approach in the construction sector.

Regarding the aim of combining spatial planning developed in Planning Tool (PTRA) Media and Alta Valtellina and energy planning, the results of this activity will be contained in guidelines and concerned a proposal of measures/addresses to integrate energy planning elements in urban planning and a "position paper" supporting the PTRA Steering Committee to orient the Plan of Services in Municipal Planning Tool to promote the services improvement, fostering the link between the building and settlement.

5) Indicators, decision making supporting tools and methodologies

It will be definitely important to provide indicators for the regional level of Lombardy Region and for local institutions. The last level should consider three kinds of institutions from municipalities to Province of Sondrio without forgetting the level of local mountain communities.

Indicators therefore are mainly related to the number and level of institutional bodies involved.

Ersaf has already organized some first stakeholder workshops and is planning to continue with this strong cooperation with two aims:

- To enlarge the consortium of involved actors on the territory, including also Chamber of Commerce and Handicraft;
- To transfer the results of performed pilot activities to political bodies not directly involved in this experimentation.

These occasions of exchange will be the place where to reason about the possibility to develop/integrate tools and methodologies.

6) Other

The pilot area is the eastern part of the Medium and High Valtellina, the Alpine Valley gone through by the upper course of the Adda River.

The Medium and High Valtellina fills about an half of the entire area of the Sondrio Province, with an extension of 1350 km². The area includes eighteen Municipalities afferent to the territorial regions of two Mountain Communities: Valtellina di Tirano and Alta Valtellina. The area has a central position both regarding the Alpine Arc and the flat territories of Northern Italy and Central Europe; the characteristics are those typical of Alpine Valleys, with peculiar aspects derived from the orographic conformation of the system of internal valleys and the Adda river and its feeders. Regarding the spatial planning it's currently available for the area a Wide Area Planning Tool (PTRA), already finalized even at the moment not yet in force because of a specific political situation. Because of many different morphologic and landscape related peculiarities, this planning instrument analyses the territory through the definition of different sub-areas of landscape, with specific anthropologic, historic, morphologic characters, providing a planning of the area seen as a whole and supporting the coordination of the single planning actions on the territory. The planning tool doesn't have specific indications concerning energy topics, with the exception of some very general recommendations and statements in the opportunities section (for instance dealing with the energy class of new buildings, the rational use of renewable sources and the implementation of an efficient wood-energy chain...). This territory presents the typical features of alpine valleys, both for what concerning strength points and weaknesses. Only the 4.5% of territory is urbanized, the rest is mainly natural or very little built up,

settlements and production concentrating in the valley bottom. The hydrogeology of territory is very fragile due to the vulnerability of near river areas and the geologic disease, caused by strong weather events but also by settlements not in proper zones. The focal points of the system are Tirano (for the cultural service), Sondalo (for the hospital) and other (Aprica, Valfurva, Bormio, Livigno) mainly devoted to seasonal tourism, having a high presence of second houses (up to 68% of building stock). The geographical and environmental conditions, the low settlement level and the high protection system (together with the a number of elements of historic, architectural, artistic, natural value) partially balance the effects of settlements concentration in the valley bottom, with good conditions for water and air quality. On the other hand the limited extension of built up areas and the abandonment of mountainsides and traditional agriculture caused a lack of maintenance of slopes and the consequent growth of poor quality woods. The choice of this pilot area follows a logical path deriving from some of the previous experiences done. First of all AlpHouse project concentrated on the building level, analysing the structure from the points of view of architectural solutions / energy behaviour and merging them in a whole system made up by 'shape / function'. The second step is represented by the research carried out in the municipality of Albosaggia (SO) related to the capabilities of the territory in terms of production and consumption of energy; the territory is seen as a system environment-landscape characterized by resources and functions, both natural and anthropic, and studied through the tool of the diagnosis of ecological territory balance, providing strategies of energy rationalisation of settlement. Another point strictly connected with the last one is the IEE RURENER project experience, where a roadmap were provided to support municipalities toward energy neutrality, seen as better balance between energy production and energy consumption, paying attention to the rational use of resources and sustainability of renewable sources application. Coming from the local to the wide area, it's possible to capitalize methodology and analysis provided within the MAV PTRA (Regional Wide Area Territorial Plan), other than from Regional and Province Territorial Planning (PTR and PTCP). In particular PTRA MAV provides a spatial planning of the wide area seen as a system, specifying development objectives and strategies and defining a strategic reference scenario, as a coordination of all the territorial planning actions of all the involved stakeholders. At a local level we aim to collaborate with the institutional level involving the 2 Mountain Communities (of Tirano and Bormio), the Province of Sondrio and the Local Premises of Lombardy Region (in Sondrio). In particular the Province of Sondrio and the Lombardy Region expressed their interest in participating in the AlpBC Project (see the Observer Declaration). At the economical level we will take the opportunity to continue the collaboration started within AlpHouse in actively involving from the beginning the Chamber of Commerce of Sondrio and the Handicrafts Union of Sondrio, in order to be able to reach, through their collaboration, the world of SMEs and craftsman and to have their support in studying the issues regarding the local economy (regional close loop, local know-how...). Another important group to reach is represented by the Associations or Foundations: for instance Provinea Foundation, very important to carry out actions on the territory. For what concerning the planning topics we aim to involve the professionals through the various Category Associations: in particular Collegium of Architects, Engineers and Agronomists. At the end, but not less important, all these involvements would be not very effective without the direct involvement of the

citizens, often owners of an important heritage of buildings and possible target of a fundamental activity of raising awareness.

First remarks to challenges and potentials are explained in these five points:

- Building culture: regarding building culture it would be possible to insert in the Regional Territorial Planning tools some mandatory actions

/ requirements for what concerns details: for instance examples of vernacular building solutions for the new constructions and renovations.

The difficult point is to find which of them are 'feasible' and coherent with the present situation and context;

- Combined urbanistic and energetic planning issues: the combined urbanistic and energetic vision is fundamental in planning topics: it's in

fact necessary to have a combined and system approach for the territorial policies about the energy consumption and the efficient use of

resources with respect to the actual territorial capabilities and the sustainable promotion of renewables; to have good results it's necessary

to train and inform professionals and citizens about these opportunities. The local level has to be guide to have a wider vision;

- Closed loop economies in the construction sector: the closed loop economies can be activated only for very sectorial and specialized

products, in particular for what concerns construction sector, that, moreover, isn't the only one to be possibly involved in a short chain

production: on the contrary, to have an efficient chain it's necessary to have available more than one sector using a particular raw material

for different purposes (let's think about wood, i.e.; it can be used for construction, for furnitures and, as waste, for biomass burners).

Furthermore it's easier to orient the construction sector in local planning: in municipal PGT, for instance, it's possible to add requirements

for the use of local products in buildings / constructions, while in Regional / Wide Area planning it's only feasible to put some 'general'

measures;

- Consultancy strategies focussed on building culture: as in the point 1. to promote the building culture a consultancy service can be useful,

because it's possible to reach effects more with training / informing actions or with positive examples than in creating mandatory rules;

- Specific incentive schemes: for what concerning the incentives a good example to apply could be the so called 'purpose tax': more than

an incentive is a 'disincentive' since it discourages in using soil (already dedicated to urbanization but not yet urbanized).

CONCEPTION FOR THE REGIONAL SPECIFIC ENERGYREGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: COA

Name of Pilot Area: Mountain Community Monte Cervino

1) Strategies and scenarios

One of the COA first activities is the drafting of the energy balance of the pilot area, collecting all the data on the energy flows incoming and outgoing from the inter-municipal territory, starting from a set of data already available and in part to collect in the involved Municipalities. The first step is to identify the energy characteristics of the area, strengths and weaknesses, focusing in particular on the potentials to increase energy efficiency and saving, to develop the use of renewable and local sources (both as an energy sources, both as raw materials for the creation of RCLE). The analysis will focus, in particular, on public owned energy utilities (public street lighting, mobility system, public buildings, etc.), with some insights on private owned buildings. From the results of the energy balance, COA intend to develop a strategy for the inter-municipal energy planning, an important tool for the Mountain Community and the involved Municipalities, for the sensitization of the local administrators and of all the actors involved in the building process. The strategy, also elaborated on the basis of best practices shared at a transnational level, should highlight the opportunities for intervention at the different levels of the energy planning and the potentials for the valorisation of the territory, through the identification of concrete actions directly applicable to the local situation. One of the objectives that the COA arises is to involve local authorities and actors operating in the energy sector, not only in the process of sharing the results, but from the beginning, during the working phases, the data research, the individuation of the problems and of the possible solutions.

2) Consultancy

COA intends to organize the consultancy activities through the system of the AlpHouse Center. As start-up of the consultancy activity has been spread a survey among the professionals of the Aosta Valley Region, in order to collect the training needs on the topics related to the energy efficiency and the sustainable use of resources. On the basis of the collected proposals COA intends to organize a series of participated meetings; each meeting will treat a specific topic (e.g. renovation of the traditional buildings, energy optimisation of the building envelope and of the plants, methods and tools for energy audits, biomass plants, solar plants, etc.) and foresees the active involvement of professionals and local administrators in a training activity with some experts, with the presentation and the sharing of case-studies. At each meeting could be involved an AlpBC partner interested in the discussed topic, in order to promote the transnational exchange of experiences and know-how. Moreover, COA, through the information desk "Info Energia Chez Nous", on the basis of the experience collected during the AlpHouse project and after the publication of the "Quaderno per il recupero energetico" provides advices to those who want explore the theme of energy renovation of traditional buildings.

3) Proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

COA is working on a format in which each project partner can insert the different types of incentive linked to the construction and energy sector in the regions involved. On the basis of the different types of incentives available at a regional, national and transnational level (types of incentives, admission procedures, requirements, etc.) COA intends to develop a vademecum, to make available on the regional website, addressed to professionals, local authorities and citizens. Furthermore, in addition to the possibility of actual incentives, it would be interesting to develop, during the elaboration of the strategy for the inter-municipal energy planning, new proposals of incentive, developed on the basis of best practices and experiences already undertaken in other countries. Besides the economic incentives, it would be interesting to see what other forms of incentive are applied in other countries and how these are related to the best practices in energy efficiency (volumetric bonus, etc.).

4) Guidance docs / guidelines / recommendations

COA intends to develop a Sample of Energy Annex of the Building Code as support and optional tool to be integrated in the redaction of Municipal Master Plan for the Municipalities of the Aosta Valley Region.
Moreover, the energy balance of the inter-municipal area, in addition to the identification of the contents related to the energy flows, intends to propose the methodology adopted for the preparation of the inter-municipal energy balance, as support tool for professionals, municipalities and decision makers.

5) Indicators, decision making supporting tools and methodologies

COA prepared a questionnaire to submit to all the municipalities of the Aosta valley, in order to individuate the experiences and the best practices of the energy sector in the regional contest, aimed to know the actual state of integration of the energy aspects in the municipal planning, the existence of innovative tools and of critical aspects or special needs (to deepen during the consultancy activity organised for the local administrators). To know the level of integration of the energy issues in the region and the presence of significant experiences is the starting point for the definition of the strategy for the inter-municipal energy planning, from which will be drawn up some guidelines and technical guidance as a tool of action to sensitize and enhance the capacities of the regional and municipal politicians, of the planners and the regional actors. The idea is to identify a set of recommendations, formulated on the basis of the experience carried out on the pilot inter-municipal territory, adaptable to similar contexts.

6) Other

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CONCEPTION FOR THE REGIONAL SPECIFIC ENERGYREGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: VEN - Urban and Landscape Department of the Veneto Region

Name of Pilot Area: Dolomiti Alto Agordino

1) Strategies and scenarios

- a) Energy Strategy for the building stock in Inter Municipal Pilot Area (new and existing building stock)
- b) Strategic document for the Veneto Alpine area on upgrading current policy and programming instruments as well as proposals for upgrade related sectoral policies according to the aim of promoting energy efficiency and retrofitting of Building Stock in mountain areas including focus on inter-municipal level for small municipalities

2) Consultancy

Report on current institutional competences, practices, needs and potentials in Urbanistic departments of pilot municipalities about energy saving, efficiency and use of RES in building Stock

Creation of AlpBC contact points in Pilot Municipalities as model of energy teams for urban departments (technician + Decision maker) of small municipalities. Activity carried out in collaboration with the Province of Belluno and the EU project COME (to be Confirmed)

3) proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

Elaboration of proposals for new form of incentives (economic and facilities) and for re-direct incentives already foreseen in Urban Planning instruments (e.g. volumetric prizes and reduction of urbanization fees) to be submitted and discussed with relevant decision makers

Indications for programming of ERDF, EAFRD, ESF funds (Multi-fund approach)

4) Guidance docs / guidelines / recommendations

On the base of the assessment carried out with the method developed in point 5 and the strategy developed in 1.a) VEN will develop a model of Energy Annex to the urban planning instrument at municipal/inter-municipal level (PAT/PAT1) as guidelines for municipalities willing to implement concrete energy saving and efficiency measures in their Intervention Plans. The innovative model will look at the overall territorial energy balance and potential and will include indications to implement municipal and inter municipal cooperative strategies based on the concept of Energy Valleys by: considering new developments also as opportunity to compensate limits of retrofitting potentials in existing settlements, integration of buildings and neighbourhoods in synergy grids, rational use of energy from renewable resources and shared infrastructures

5) Indicators, decision making supporting tools and methodologies

The development of an innovative method for studying aggregates for energy policies and not individual buildings aiming at quantitative assessment of the energy needs and saving potentials for the urban level; the method should allow for the elaboration of a «Building Stock Energy Balance» and might include:

- A decision making supporting tool to estimate energy consumption and energy saving potentials according to building typologies (period of construction, construction techniques etc.) and use destination (residential, public services, commercial/turistic);
- WEB GIS mapping of the building stock energy performance;
- A method for zoning the IM territory and identify potential efficiency targets to be achieved with cooperative strategies

6) Other

CONCEPTION FOR THE REGIONAL SPECIFIC ENERGY REGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: TIS

Name of Pilot Area: Val Passiria

1) Strategies and scenarios

Integrated energy strategy at inter-municipality level: supporting three municipalities in developing a common Sustainable Energy Action Plan (Joint Seap).

Phases: Political commitment of support by municipalities; provision of supporting structures and contacts; assessment of framework; establishment of vision; elaboration of plan.

The best case scenario foresees, that municipalities sign the Covenant of Mayors, implement the foreseen actions, monitor the progress and report it periodically to the European Commission. In the optimistical scenario other outstanding municipalities of the valley join the intermunicipal consortium.

2) Consultancy

Consultancy in development of a Joint SEAP.

Coordination of running projects on sustainable development in the valley and their alignment towards the SEAP.

3) proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

The use of incentive schemes is not foreseen at the moment. Depending on chosen actions by municipalities, different incentive schemes can be accessed.

4) Guidance docs / guidelines / recommendations

Covenant of Mayors: <http://www.covenantofmayors.eu>

Sustainable Energy Action Plan: http://www.eumayors.eu/actions/sustainable-energy-action-plans_en.html

European Energy Award: <http://www.european-energy-award.org/index.php?id=20>

CapaCITY training platform: <http://www.covenant-capacity.eu>

Sustainable Energy Communities Web Portal Web: <http://cms.iclei-europe.org/index.php?id=8405>

Climate Alliance: <http://www.climatealliance.org>

5) Indicators, decision making supporting tools and methodologies

Indicators: Letter of commitment. Delivered SEAP. Entry in Covenant of Mayors.

Decision making supporting: Participatory process, stakeholders involvement

Methodologies: SEAP guidelines, EEA guidelines; In-house methodology for building stock assessment

6) Other

CONCEPTION FOR THE REGIONAL SPECIFIC ENERGYREGION STRATEGY - WP 5 & 6

Please fill in the following textboxes to explain your strategy for the regional specific concept.

Name of Project Partner: Regione Piemonte - PIE

Name of Pilot Area: Lanzo Valleys

1) Strategies and scenarios

The specific strategy for the regional action is aimed at: (1) stimulating territorial potentials and their mobilisation, especially in the building value chain; (2) providing for support and orientations in territorial planning processes at local and intermunicipal level, implementing regional spatial/landscape plans; and, as practical tool annexed to building codes, (3) providing for guidelines for energy renovation in traditional buildings and settlements
The process will be based on desk research, on the spot survey and participative actions. This will lead to: (1) the elaboration of a shared scenario to enhance potentials and opportunities identified and to implement Regional Spatial and Landscape Plans; (2) the common identification of a set of key actions to implement the scenario

2) Consultancy

to be developed

3) proposals of new incentive schemes /facilities supporting the realization of developed strategies and scenarios

The actions included in the scenario development will be screened in order to check their eligibility under existing funding schemes (e.g. Rural Development Programmes, ERDF ROP, national and regional programmes)
Eventual (depending on development of pilot action) suggestions for new incentives aimed at implementing shared scenario and actions; if appropriate, submission and discussion with relevant regional decision makers

4) Guidance docs / guidelines / recommendations

The outputs of the pilot action will be: (a) methodological guidance document to replicate and transfer the approach, in order to orientate development processes at IM level; (b) guidelines for energy renovation of traditional buildings and settlements, as annex to local Building Codes

5) Indicators, decision making supporting tools and methodologies

The aim is to raise awareness on the importance of measuring sustainability of territorial processes; to this purpose, starting from the ITACA Protocol for urban level currently under development, the idea is to adapt and test in the pilot area a set of indicators to measure the level of sustainability of territorial processes

6) Other

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