

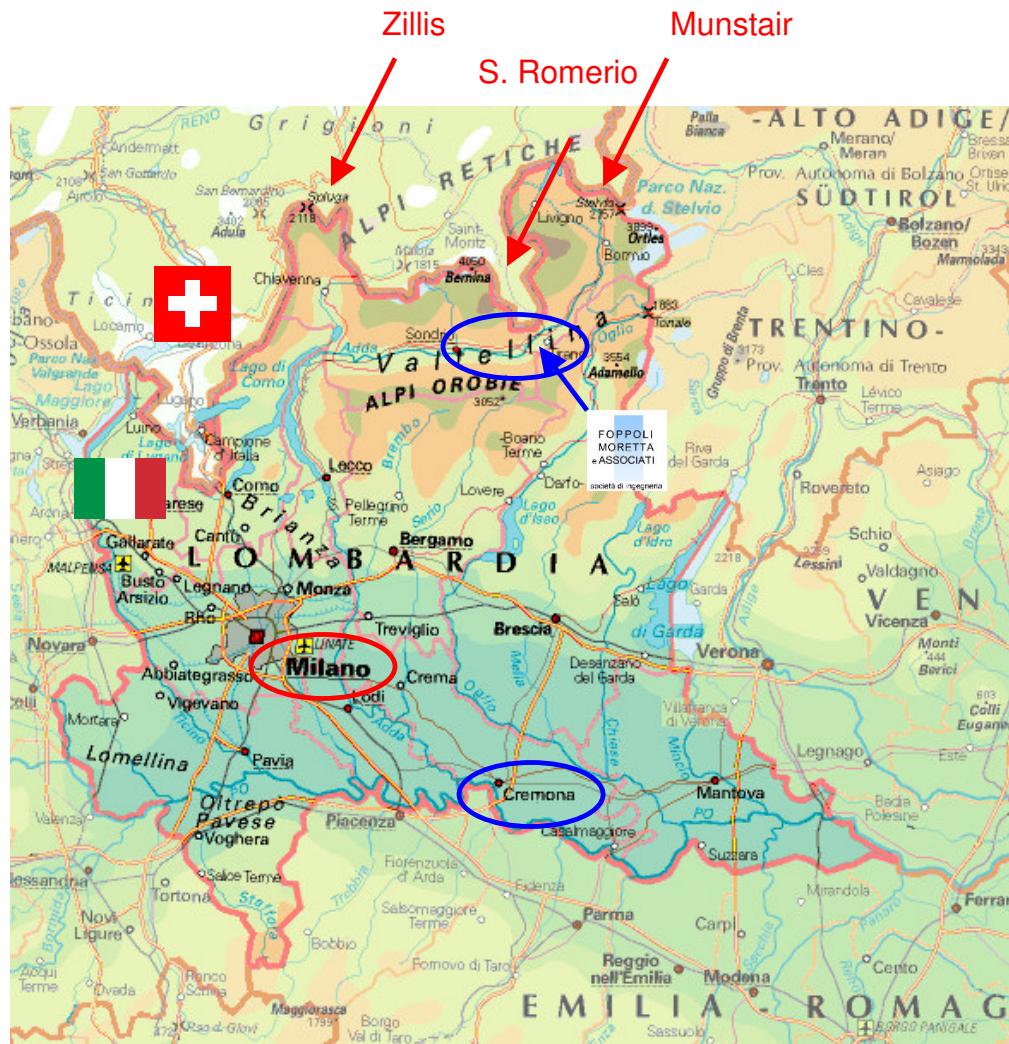
CHANGES PROJECT – MILESTONE 3



CHANGES PROJECT – WP2
Conceptualization of previous experiences

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Study areas



Two very different study areas :

Valtellina:

- Mountain territory
- Country environment
- Stone masonry
- Stone roofs

Cremona

- Plain territory
- Town environment
- Brick masonry
- Shingles roofs

If it is of interest it is possible also to analyze some case history out of EU in Switzerland (Graubünden region – very close to Valtellina)

The project will be carried out in two areas in the northern and in the southern part of Lombardia: the territory of Valtellina and the town of Cremona

CHANGES PROJECT – WP2
Conceptualization of previous experiences

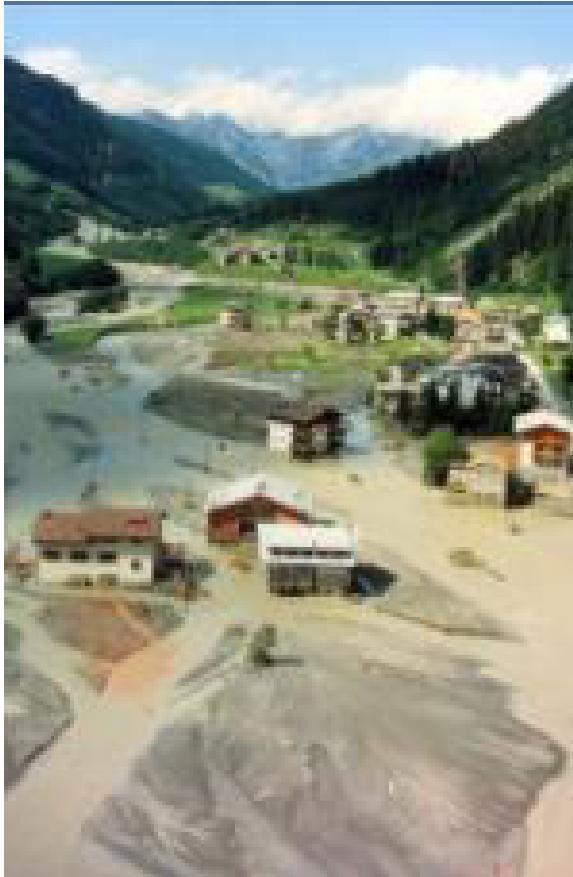
An overall view of previous experiences in Valtellina

Project	Period	Buildings nr.	Activities
L 102/90 (reconstruction after 1987 flood)	1996-2003	70	Restoration works Total amount € 30.000.000
Cultural District of Valtellina	2011-2015	40	General inspections Educational activities
CPRE Interreg project	2013-2014	30	Structural inspection LV1 Educational activities
Innovative technologies	2009-2014	Teglio Besta Palace Bianzone Besta Manor Ponte S. Ignazio church Sondrio Masegra castle	Dignosis and monitoring
PPC (ITALY)	2009-2014	Teglio Besta Palace Sondrio Masegra castle Morbegno S. Antonio monastery	Conservation plan
PPC (SWITZWELAND)	2009-2014	Zillis S. Martino church Mustair S. Giovanni monastery	Conservation plan

CHANGES PROJECT – WP2
Conceptualization of previous experiences

FMeA will support Politecnico to collect informations concerning with activities related with PPC carried out in Valtellina and Graubünden region in the last 20 years

The beginning: reconstruction after 1987 flood



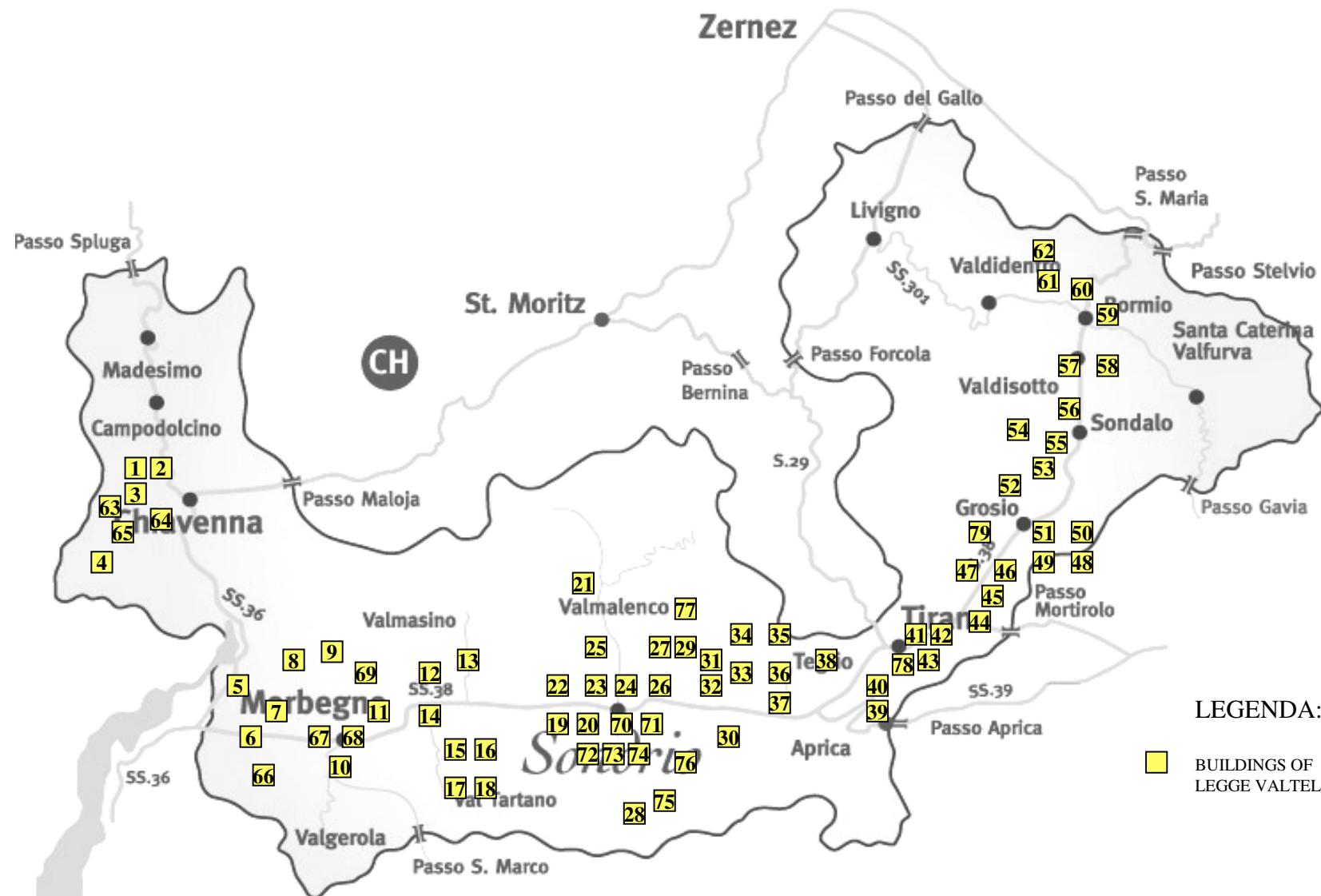
- FOLLOWING THE FLOOD OF 1987 RECONSTRUCTION HAS BEEN FUNDED UNDER A SPECIAL LAW (CALLED **"LEGGE VALTELLINA"**) WHICH AMONG OTHERS PROVIDED FINANCING FOR HERITAGE BUILDING RESTORATION WORKS.
- THE RESTORATION WORKS WERE CARRIED ON IN THE YEARS BETWEEN 1997 AND 2002
- OVERALL HAVE BEEN FINANCED IN TOTAL **67 RESTORATION WORK**
- WITH AN ADDITIONAL SPECIAL FUND OTHER **12 BUILDINGS** HAVE BEEN RESTORED.

Total amount of the project: 35 MLNs

Financing with own resources 25%

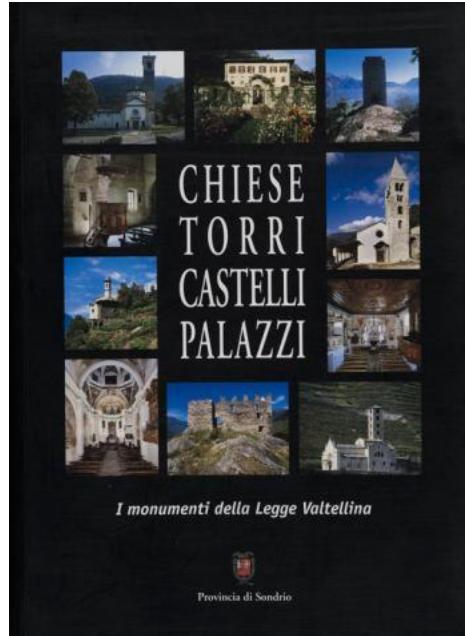
CONSERVATION WORKS

The beginning: reconstruction after 1987 flood



CHANGES PROJECT – WP2
Conceptualization of previous experiences

The beginning: reconstruction after 1987 flood



ALL THESE MEASURES ARE THEREFORE BEEN MADE:

IN A LIMITED PERIOD OF TIME

- WITH SIMILAR TECHNOLOGY AND CRITERIA
- WITH MONITORING OF COMPETENT SOPRINTENDENZE
- WITH THE SUPERVISION OF THE PROVINCIAL ADMINISTRATION

ALTHOUGH THEIR POSITIVE EFFECT, THE RESULTS OF THOSE OPERATIONS WERE NOT SUBJECT TO A GOOD PPC APPROACH.

CONSEQUENTLY IN SPITE OF THE RELEVANT INVESTIMENT, RESTORED BUILDINGS HAVE NOT PROVIDED APPROPRIATE INCENTIVE FOR THE PROMOTION AND DEVELOPMENT OF THE TERRITORY.

CHANGES PROJECT – WP2
Conceptualization of previous experiences

The development of idea of PPC in Valtellina



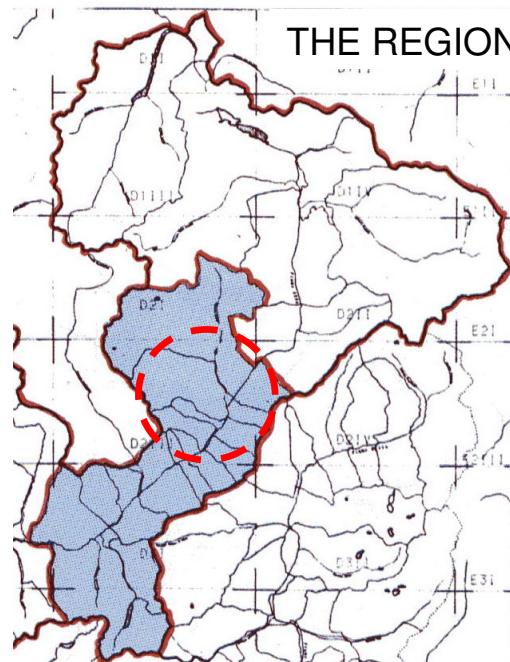
OVER THE YEARS AFTER 2002 HAS BEEN DEVELOPED, EVEN WITH THE SUPPORT OF FOUNDATION CARIPLO, MANY PROJECTS THAT HAVE A POSITIVE APPROACH WITH PPC METHODOLOGIES INVOLVED THE LAND AND OVERALL MAY BE ENTERED IN THE CONTEXT OF PLANNED PRESERVATION.

- “**ANTICA PIEVE DI MAZZO**” PROJECT
YEARS 2006-2009
- “**INNOVATIVE TECHNOLOGIES**” PROJECT
YEARS 2009-2010
- “**CULTURAL DISTRICT**” PROJECT
YEARS 2011-2015
- “**INTERREG CPRE**” PROJECT
YEARS 2013-2015

CHANGES PROJECT – WP2
Conceptualization of previous experiences

The development of idea of PPC in Valtellina

CONSERVATION WORKS



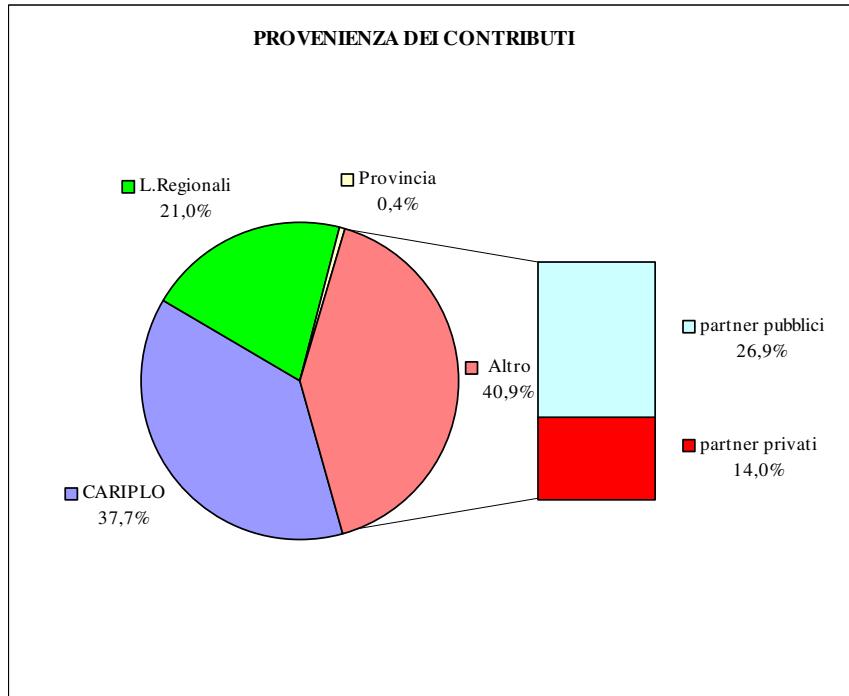
CHANGES PROJECT – WP2
Conceptualization of previous experiences

PATNERS OF THE PROJECT “ANTICA PIEVE DI MAZZO” :

Comunità Montana Valtellina di Tirano, municipality of Mazzo, Lovero, Sernio, Vervio, several parishes, local associations and social cooperatives.

Development of territory through the integrated management of cultural heritage

ENHANCEMENT OF SKILLS



- enhance the usability of the historical-artistic heritage;
- insert the proposal into a larger cultural touristic offer that includes innovative ways of enjoyment of landscape and environmental goods;
- identify synergies to promote both the cultural and environmental heritage either some products of excellence in the area;
- development accommodation facilities in the area to respond to the needs of the target which it intends to address the offer.

Total amount of the project: € 1,991,000
Financing with own resources 41%

CHANGES PROJECT – WP2
Conceptualization of previous experiences

Innovative technologies for planned conservation of historical buildings

MAINTENANCE ACTIVITIES



	Spesa complessiva	Cofinanziamento
Comune di Bianzone	€ 67.315	€ 9.134
Direzione Regionale Soprintendenza di Milano	€ 87.455	€ 87.455
Parrocchia S.Stefano Associazione Antica Pieve di Mazzo	€ 80.318	€ 3.500
Comune di Ponte in Valtellina	€ 110.296	€ 50.296
SOMMANO	€ 345.384	€ 150.384

Total amount of the project: € 345,000

Financing with own resources 44%

Buildings involved:

Palazzo Besta di Teglio
Battistero di Mazzo

Palazzetto Besta di Bianzone
Chiesa di S. Ignazio di Ponte

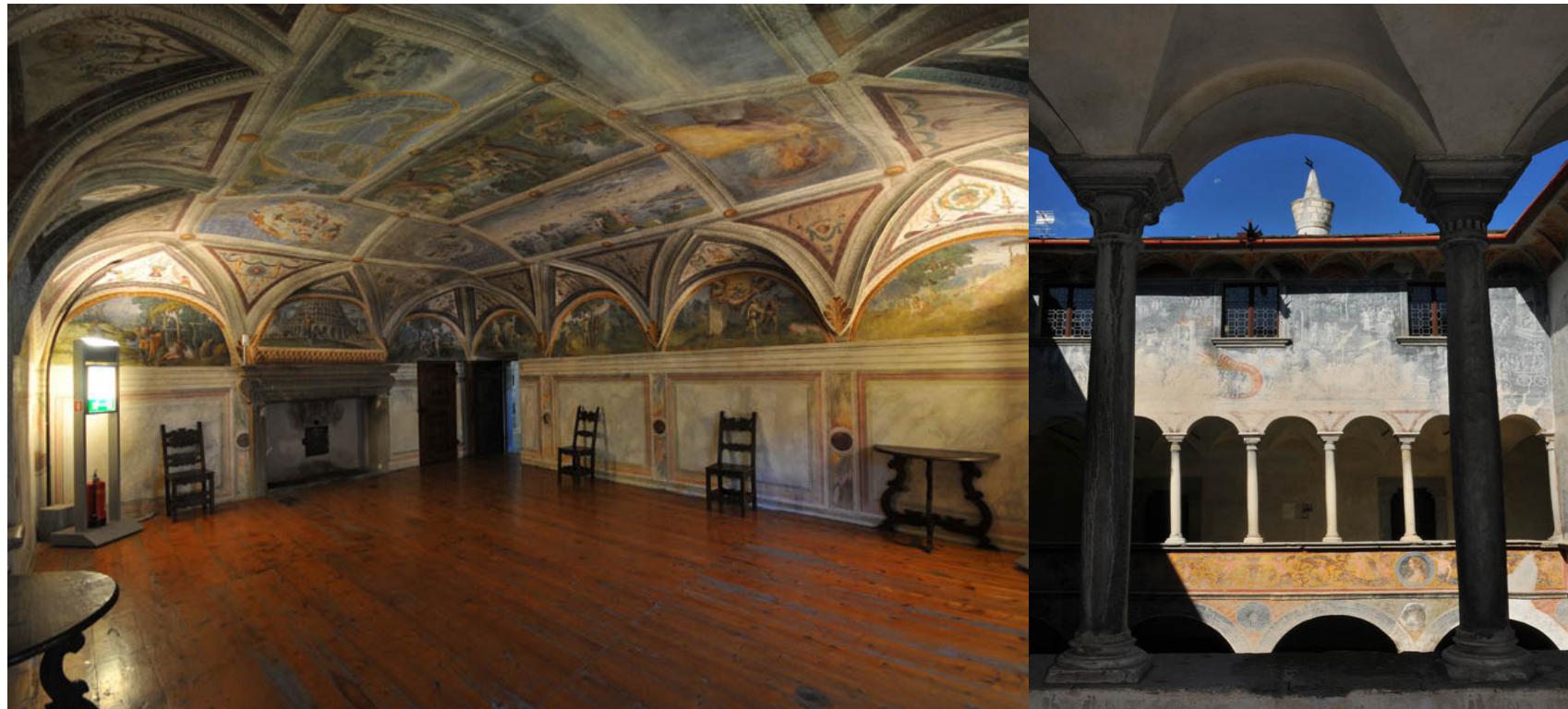
CHANGES PROJECT – WP2
Conceptualization of previous experiences

Innovative technologies Besta Palace Teglio (SO)

PARTNERS INVOLVED:

- REGIONAL DIRECTORATE FOR CULTURAL HERITAGE AND LANDSCAPE OF LOMBARDIA
- ANTICA PIEVE DI MAZZO – CULTURAL ASSOCIATION

MAINTENANCE ACTIVITIES



ACTIVITY 'PLANNED': Surveys on the structure and surfaces

Structural and the surface degradation monitoring

Environmental and microclimate monitoring

Maintenance activities

Maintenance Plan

CHANGES PROJECT – WP2
Conceptualization of previous experiences

Innovative technologies Besta Manor Bianzone (SO)

PARTNERS INVOLVED:

- MUNICIPALITY OF BIANZONE (SO)
- REGIONAL DIRECTORATE FOR CULTURAL HERITAGE AND LANDSCAPE OF LOMBARDIA

MAINTENANCE ACTIVITIES



ACTIVITY 'PLANNED': laserscanner relief

Investigations on the structure and surfaces

Structural and the surface degradation monitoring

Stratigraphic research and surveys of the characters of the plaster materials

Environmental monitoring and microclimate

Maintenance activities

Preliminary project of restoration works

CHANGES PROJECT – WP2

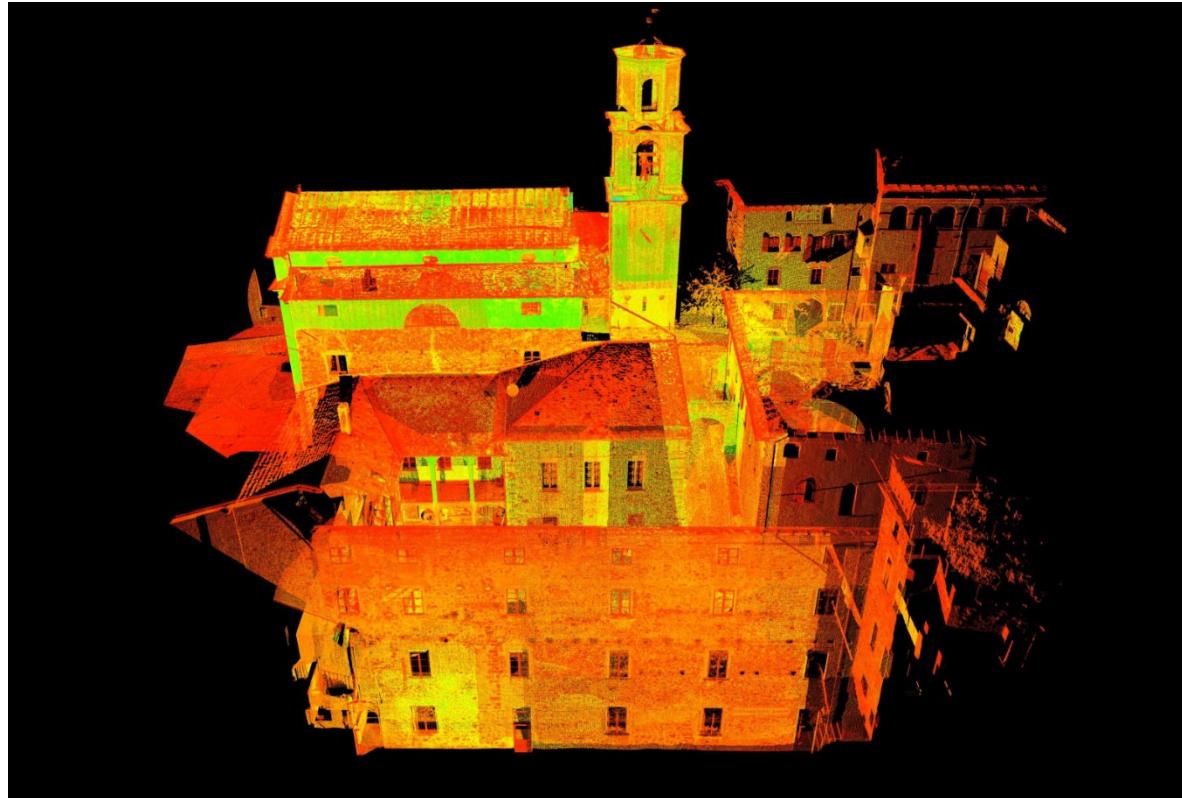
Conceptualization of previous experiences

Innovative technologies S.Ignazio Church Ponte in Valtellina(SO)

PARTNERS INVOLVED:

- MUNICIPALITY OF PONTE IN VALTELLINA(SO)

MAINTENANCE ACTIVITIES



ACTIVITY 'PLANNED': laserscanner relief

Structural and the surface degradation monitoring

Stratigraphic research and surveys of the characters of the plaster materials

Environmental monitoring and microclimate

Maintenance plan

Investigations on the structure and surfaces

Geoelectric surveys

Reflectometric analysis
Preliminary project of restoration works

CHANGES PROJECT – WP2

Conceptualization of previous experiences

A change of step: Cultural District of VALTELLINA (CDV)



THE PROJECT "CULTURAL DISTRICTS" WAS DEVELOPED BY THE CARIPLO FOUNDATION TO SUPPORT THE OPPORTUNITY OF ENHANCE CULTURAL HERITAGE AS A PULSE FOR **ECONOMIC AND SOCIAL GROWTH** OF THE TERRITORY PROMOTING AND IMPLEMENTING **INTEGRATED VALORISATION PROCESS** (INCLUDING ECONOMIC) OF **CULTURAL HERITAGE**

CHANGES PROJECT – WP2
Conceptualization of previous experiences

A change of step: Cultural District of VALTELLINA



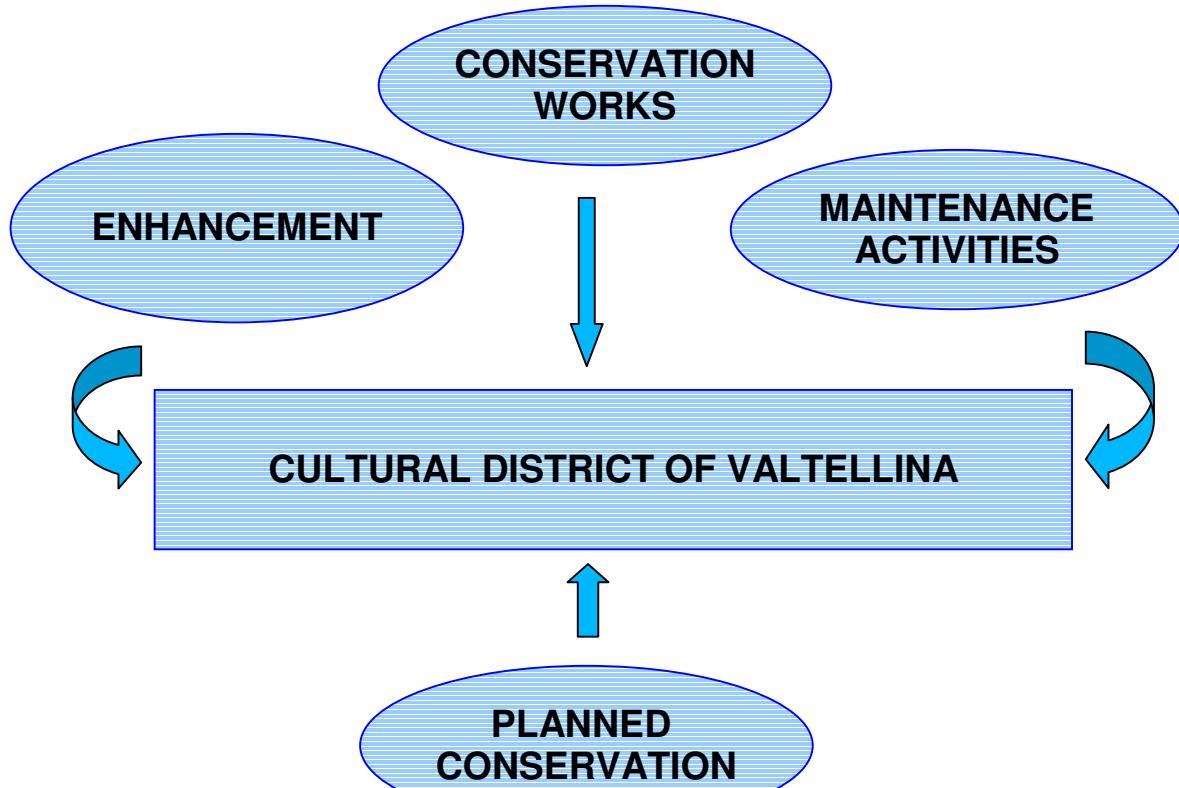
THE “CULTURAL DISTRICT OF VALTELLINA”
AIMS TO:

- ✓ IDENTIFYING THE ROLE THAT THE **LANDSCAPE, MONUMENTAL AND ARTISTIC HERITAGE** HAS IN THE DEVELOPMENT STRATEGY OF TERRITORY.
- ✓ DEVELOP THE **IDENTIFICATION** AND AWARENESS OF LOCAL COMMUNITIES.
- ✓ **ENHANCE** CULTURAL HERITAGE.
- ✓ MAKE A **SYSTEM** OF CULTURAL ACTIVITIES.

Total amount of the project: € 8,290,000
Financing with own resources 57%

CHANGES PROJECT – WP2
Conceptualization of previous experiences

A change of step: Cultural District of VALTELLINA



CHANGES PROJECT – WP2
Conceptualization of previous experiences

Cultural district of VALTELLINA

The WAY OF TERRACES (WP1)



DATA	Prov. SO	DCV
SURFACE	3.200 km ²	2.760 km ²
POPULATION	180.000	155.000
C.MONTANE	5	4
MUNICIPALITY	78	65

CHANGES PROJECT – WP2
Conceptualization of previous experiences

Cultural district of VALTELLINA

Tangibles Assets WPs (2-6)



CONSERVATION WORKS



CHANGES PROJECT – WP2
Conceptualization of previous experiences

WP 2 – MASEGRA CASTLE - SONDRIO

WP 3 – CLOISTER OF SAINT ANTHONY - MORBEGNO

WP 4 – CIRCUIT OF THE CASTLES AND HISTORIC BUILDINGS IN THE AREA OF TIRANO

WP 6 – THE WAY OF WATER AND ENERGY

Cultural district of VALTELLINA

Intangibles Assets WPs (7-10)



ENHANCEMENT OF SKILLS



CHANGES PROJECT – WP2
Conceptualization of previous experiences

WP 5 – TECHNOLOGIES FOR INTEGRATED PROMOTION

WP 7 – THE "GOOD PRACTICE" OF RESTORATION: CRITICAL ANALYSIS AND PROPOSALS

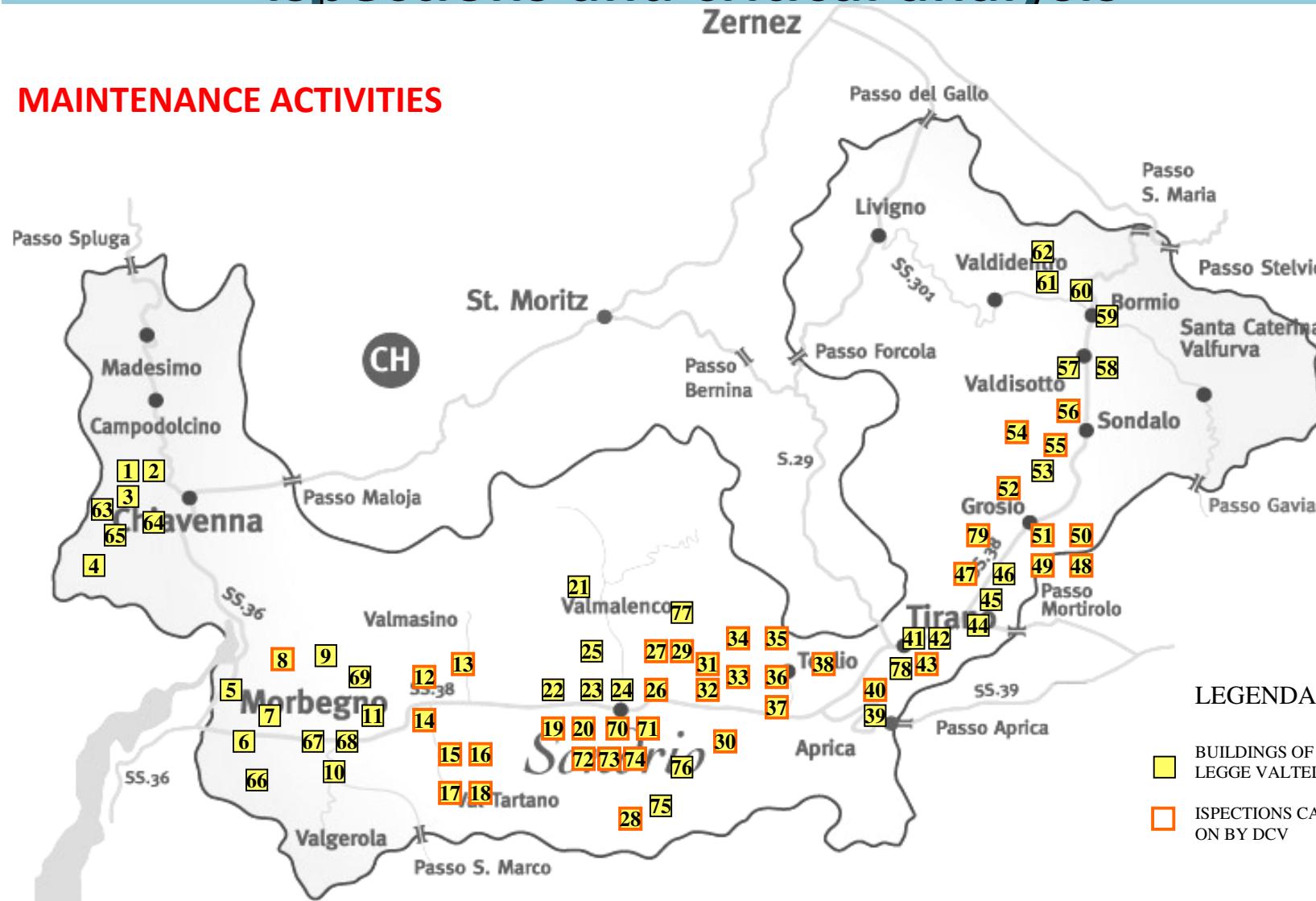
WPs 8/9/10 – TRAINING ACTIVITIES ADDRESSED TO TEACHERS, SCHOOLS AND
PROFESSIONALS

Cultural district of VALTELLINA

Inspections and critical analysis



MAINTENANCE ACTIVITIES



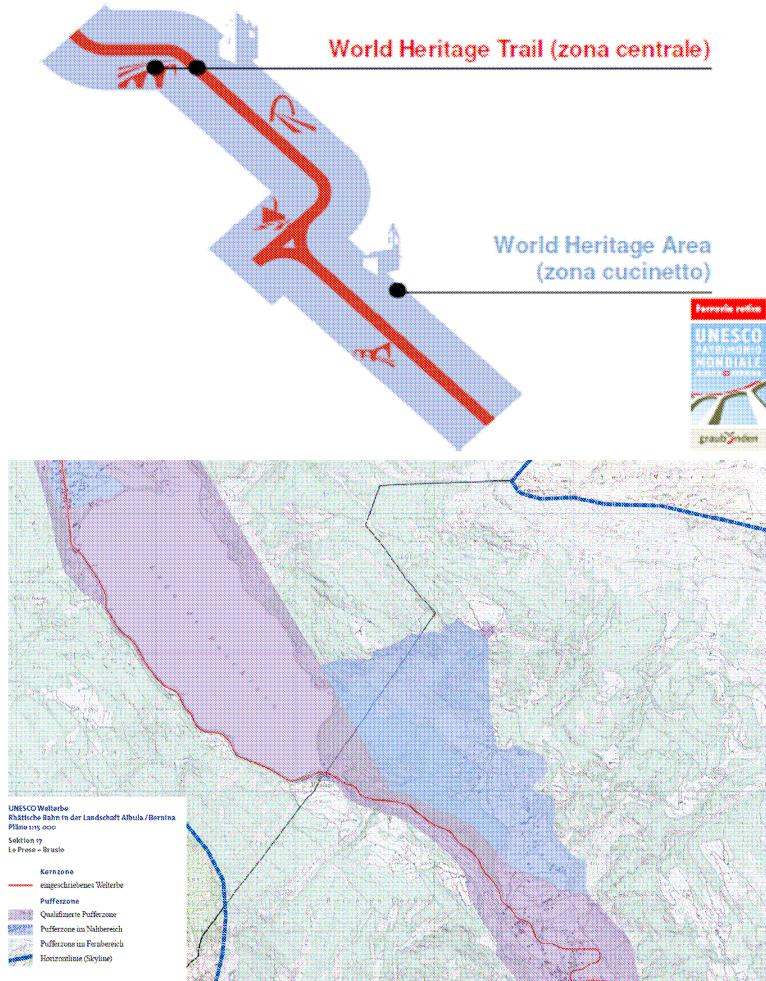
WP 7.1 – INSPECTION SERVICE FOR THE CRITICAL ANALYSIS OF THE CURRENT STATUS OF HERITAGE BUILDINGS RESTORED AFTER 1987 FLOOD. (40 BUILDINGS)

CHANGES PROJECT – WP2
Conceptualization of previous experiences

The UNESCO a CHANCE OF COOPERATION



CHANGES PROJECT – WP2
Conceptualization of previous experiences



RAETHIAN RAILWAY IN THE ALBULABERNINA LANDSCAPE

Approach to PPC in GRAUBUENDEN (SWITZERLAND)



CHURCH OF S.MARTINO
ZILLS (GR)



CHANGES PROJECT – WP2
Conceptualization of previous experiences

CPRE: Planned conservation in the common Rhaetian area



PARTNERS



FONDAZIONE DI SVILUPPO
LOCALE
ITALIAN LEADER



⑩ COMUNE DI SONDARIO
⑩



⑩ COMUNE DI TIRANO
⑩



⑩ POLITECNICO DI MILANO



REGIONE VALPOSCHIAVO
SWISS LEADER



⑩ POLO POSCHIAVO



⑩ Denkmalpflege
⑩ Tgira da monuments
⑩ Servizio monumenti

SUPPORTERS



⑩ PROVINCIA DI SONDARIO



Ministero
dei beni e delle
attività culturali
e del turismo



Amt für Kultur
Uffizi da cultura
Ufficio della cultura

CHANGES PROJECT – WP2
Conceptualization of previous experiences

FOPPOLI
MORETTA
e ASSOCIATI
società di ingegneria

CPRE: AIMS



KNOWLEDGE

- ⑩ history of buildings
- ⑩ of materials
- ⑩ of building technologies
- ⑩ of the local context
- ⑩ correlation between buildings and cultural landscape

CONSERVATION

- ⑩ systemic assessment
- ⑩ vision of pro-active protection
- ⑩ conservation plans
- ⑩ collaboration with UNESCO

TRAINING

- ⑩ technicians
- ⑩ craftsmen
- ⑩ integrated multidisciplinary approach

VALORIZAZIONE

- ⑩ increase in trade
- ⑩ increase job opportunities
- ⑩ growth of tourism
- ⑩ creation of a pool of expertise

CHANGES PROJECT – WP2
Conceptualization of previous experiences

CPRE: PLANNED ACTIVITIES



CONSERVATION WORKS



KNOWLEDGE AND
CONSERVATION
WORKS

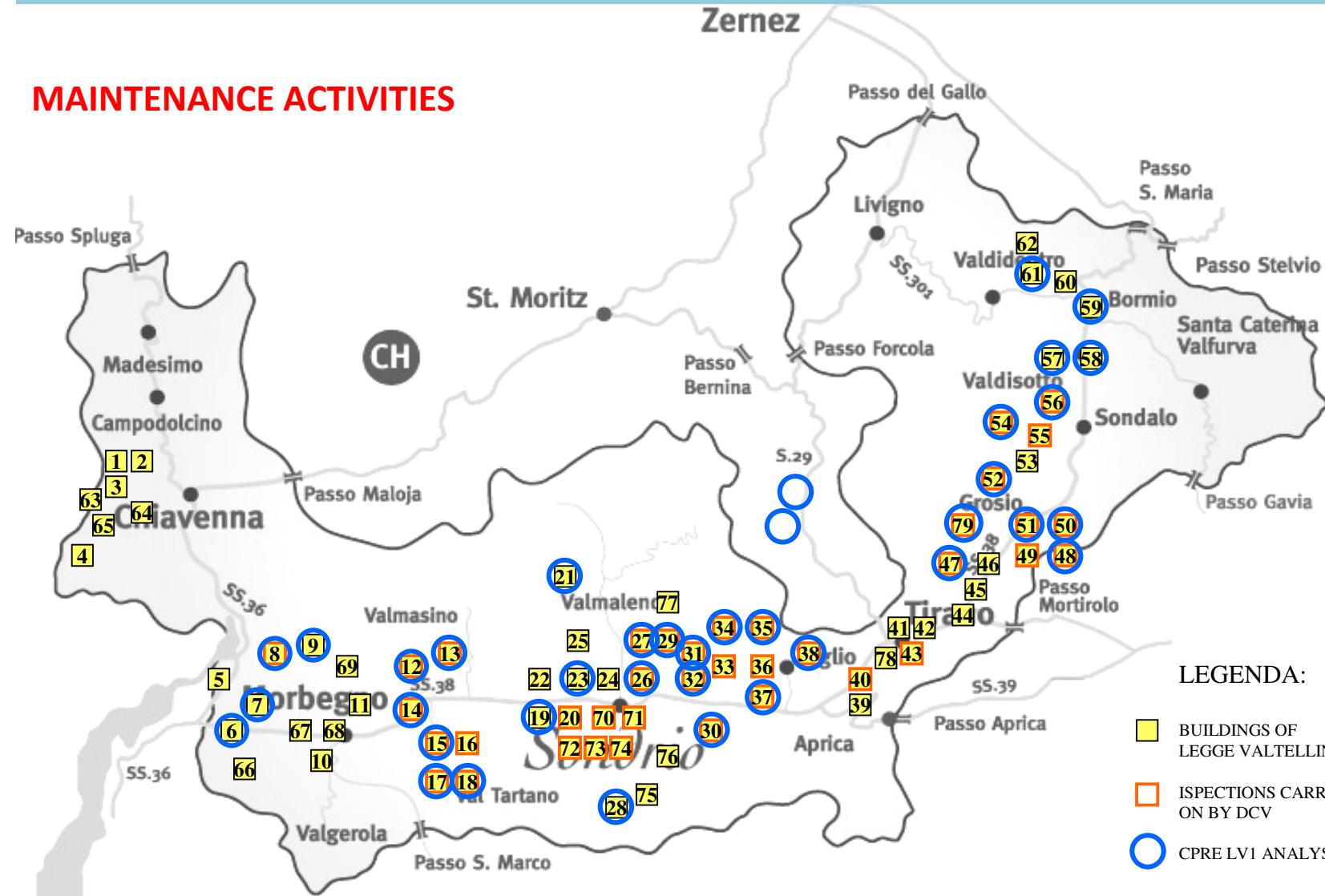


CHANGES PROJECT – WP2
Conceptualization of previous experiences

CPRE: PREVENTIVE SEISMICAL ASSESSMENT



MAINTENANCE ACTIVITIES



PREVENTIVE SEISMICAL ASSESSMENT OF HERITAGE BUILDINGS RESTORED AFTER 1987 FLOOD. (36 BUILDINGS)

CHANGES PROJECT – WP2
Conceptualization of previous experiences

CPRE : EFFECTS ON THE TERRITORY



- ❖ DEVELOPMENT AND APPLICATION OF ADVANCED AND INNOVATIVE TECHNOLOGIES IN THE AREA OF VALTELLINA / VALPOSCHIAVO
- ❖ DEVELOPMENT AND SHARING OF THE PRACTICE OF PLANNED MAINTENANCE AND PRESERVATION OF CULTURAL HERITAGE
- ❖ INCREASE OF THE INTER-BORDER COOPERATION IN THE TECHNICAL FIELD
- ❖ COMBINED TRAINING OF OPERATORS AND TECHNICAL VIEW TO A POSSIBLE INTER-BORDER MOBILITY
- ❖ CREATION OF USEFUL COMPETENCE FOR THE EXCHANGE OF QUALIFYING EXPERIENCES IN THE ALPINE CONTEXT
- ❖ CREATION OF USEFUL COMPETENCE FOR THE EXCHANGE OF QUALIFYING EXPERIENCES IN THE UNESCO CONTEXT

Total amount of the project: € 1.570000

Financing with own resources 56%

CHANGES PROJECT – WP2
Conceptualization of previous experiences

ENHANCEMENT OF SKILLS

AN OVERALL ECONOMICAL VIEW

	Total Amount	Knowledge	Conservation Works	Maintenance Activities	Enhancement	Projects Management
DCV+CPRE	€ 8.940.400	€ 565.400 6,3%	€ 6.147.036 68,8%	€ 145.284 1,6%	€ 1.551.990 17,4%	€ 530.690 5,9%
Pieve di mazzo	€ 1.991.019	€ 74.799 3,8%	€ 1.621.303 81,4%	€ 7.461 0,4%	€ 262.280 13,2%	€ 25.175 1,3%
IT Besta+SIgnazio	€ 345.383	€ 217.186 62,9%	€ 0 0,0%	€ 66.335 19,2%	€ 24.240 7,0%	€ 37.623 10,9%
SOMMANO	€ 11.276.802	€ 857.385 7,6%	€ 7.768.339 68,9%	€ 219.080 1,9%	€ 1.838.510 16,3%	€ 593.488 5,3%

CHANGES PROJECT – WP2
Conceptualization of previous experiences