

ripam 8.5

Rencontres internationales du patrimoine
architectural méditerranéen

RECUEIL DES RÉSUMÉS



INTERMEDIATE CONFERENCE - FIRENZE 2020
8.5th Intermediate total on line Edition Firenze 25/26 November 2020



UNIVERSITÀ
DEGLI STUDI
FIRENZE
DIDA
DIPARTIMENTO DI
ARCHITETTURA



Università degli Studi di Genova
Dipartimento Architettura e Design
Scuola Politecnica

con il patrocinio di



ripam 8.5

Rencontres internationales du patrimoine
architectural méditerranéen

RECUEIL DES RÉSUMÉS

Villages et quartiers à risque d'abandon.

Stratégies pour la connaissance, la valorisation et la restauration.

INTERMEDIATE CONFERENCE - FIRENZE 2020

8.5th Intermediate total on line Edition Firenze 25/26 November 2020

*a cura di: Saverio Mecca, Susanna Caccia Gherardini,
Massimo Carta, Giuseppe De Luca, Fabio Fratini, Stefano Galassi,
Lamia Hadda, Giovanni Pancani, Daniela Pittaluga.*

En couverture: *une vue hivernale du village de montagne de Quota, dans le Casentino.*

Il volume è l'esito di un progetto di ricerca condotto dal Dipartimento di Architettura dell'Università degli Studi di Firenze.

La pubblicazione è stata oggetto di una procedura di accettazione e valutazione qualitativa basata sul giudizio tra pari affidata dal Comitato Scientifico del Dipartimento DIDA con il sistema di *blind review*. Tutte le pubblicazioni del Dipartimento di Architettura DIDA sono *open access* sul web, favorendo una valutazione effettiva aperta a tutta la comunità scientifica internazionale.

progetto grafico
didacommunicationlab
Dipartimento di Architettura
Università degli Studi di Firenze
Giacomo Talozzi
Federica Giulivo

didapress
Dipartimento di Architettura
Università degli Studi di Firenze
via della Mattonaia, 8 Firenze 50121

© **2020**
ISBN 9788833381237

COMITE D’ORGANISATION

President:

Saverio Mecca (DiDA, Università degli Studi di Firenze, Italy)

Members:

Susanna Caccia Gherardini (DiDA, Università degli Studi di Firenze, Italy)

Massimo Carta (DiDA, Università degli Studi di Firenze, Italiy)

Giuseppe De Luca (DiDA, Università degli Studi di Firenze, Italy)

Fabio Fratini (CNR-Firenze, Italy)

Stefano Galassi (DiDA, Università degli Studi di Firenze, Italy)

Lamia Hadda (DiDA, Università degli Studi di Firenze, Italy)

Giovanni Pancani (DiDA, Università degli Studi di Firenze, Italy)

Daniela Pittaluga (DAD- Università degli Studi di Genova, Italy)

Web design, editorie:

Giacomo Talozzi (Università degli Studi di Firenze, Italy)

COMITÉ SCIENTIFIQUE

Tous les membres du Comité Permanent RIPAM sont également membres du Comité Scientifique.

Imane Bennani, (Université Internationale de Rabat, Morocco)

Iman Meriem Benkirane, (UEMF Université Euromed de Fès, Morocco)

Susanna Caccia Gerardini (DiDA, Università degli Studi di Firenze, Italy)

Massimo Carta (DiDA, Università degli Studi di Firenze, Italy)

Francesco Valerio Collotti (DiDA, Università degli Studi di Firenze, Italy)

Giuseppe De Luca (DiDA, Università degli Studi di Firenze, Italy)

Mario De Stefano (DiDA, Università degli Studi di Firenze, Italy)

Giovanna Franco (Università degli Studi di Genova, Italy)

Stefano Galassi (DiDA, Università degli Studi di Firenze, Italy)

Marco Gaiani (Università degli Studi di Bologna, Italy)

Carlo Alberto Gemignani (Università degli Studi di Parma, Italy)

Lamia Hadda (DiDA, Università degli Studi di Firenze, Italy)

Fakher Kharrat (ENAU, Université de Carthage, Tunisie)

Faouzi Mahfoudh (INP, Institut National du Patrimoine de Tunis, Tunisia)

Saverio Mecca (DiDA, Università degli Studi di Firenze, Italy)

Costanza Miliani, (CNR ISPC - Firenze, Italy)

Camilla Mileto (Università di Valencia, Spain)

Giovanni Minutoli (DiDA, Università degli Studi di Firenze, Italy)

Stefano Francesco Musso (Università degli Studi di Genova, Italy)

Massimo Osanna (Parco archeologico di Pompei, Italy)

Annunziata Maria Oteri (Politecnico di Milano, Università' di Milano, Italy)

Giovanni Pancani (DiDA, Università degli Studi di Firenze, Italy)

Julio Navarro Palazon, (Escuela de Estudios Arabes di Granada (CSIC), Spain)

Claudio Piferi (DiDA, Università degli Studi di Firenze, Italy)

Luisa Rovero (DiDA, Università degli Studi di Firenze, Italy)

Nicola Ruggieri (Soprintendenza di Cosenza, Italy)

Valentina Russo (Università degli Studi di Napoli "Federico II", Italy)

Ahmed Saadaoui (FLAHM, Université de la Manouba de Tunis, Tunisia)

Marco Tanganelli (DiDA, Università degli Studi di Firenze, Italy)

Giacomo Tempesta (DiDA, Università degli Studi di Firenze, Italy)

Fernando Vegas (Università di Valencia, Spain)

Armand Vokshi (Università Politecnico di Tirana, Albania)

Giuliano Volpe (Università degli Studi di Bari, Italy)

Giorgio Verdiani (DiDA, Università degli Studi di Firenze, Italy)



UNIVERSITÀ
DEGLI STUDI
FIRENZE
DiDA
DIPARTIMENTO DI
ARCHITETTURA



QUE EST-CE QUE RIPAM:

En 2005, des chercheurs, universitaires, historiens, scientifiques du patrimoine, architectes, conservateurs issus de pays et d’institutions du bassin méditerranéen ont souhaité établir des liens privilégiés autour des enjeux du patrimoine architectural. Ils ont ainsi initié des rencontres alternativement de chaque côté des rives de la Méditerranée, à Meknès (Maroc) en 2005, à Marrakech (Maroc) en 2007,à Lisbonne (Portugal) en 2009, à M’sila (Algérie) en 2012, à Marseille (France) en 2013, à Monastir (Tunisia) en 2015. Ces rencontres ont réaffirmé à chaque fois la volonté de les pérenniser, de partager des connaissances et de conforter la conservation du patrimoine bâti dans les politiques et consciences nationales. Leur succès avec plus d’une centaine de participants par édition a aussi montré le besoin de les structurer pour mieux faire connaître et accroître ce réseau de compétences et faire de cette heureuse initiative de près de 10 ans une rencontre incontournable pour le patrimoine architectural méditerranéen. Les RIPAM sont à la fois des rencontres et un réseau de personnes et d’institutions œuvrant à la connaissance et à la conservation du patrimoine architectural et urbain méditerranéen. La communauté RIPAM regroupe des universitaires, des responsables de biens patrimoniaux, des professionnels de la conservation et de la restauration, des scientifiques du patrimoine, des professionnels de l’architecture, des urbanistes... qui étudient, analysent et travaillent sur tous les types et composantes de ce patrimoine architectural: histoire, type architectural (urbain, rural, industriel, officiel, domestique, ...), archéomatériaux et conservation matérielle, techniques de construction et de conservation, structure urbaine et urbanisme, réalisation architecturale, méthodes d’analyse et d’investigations, documentation et archives d’architecture, législation et réglementation, gestion et valorisation, mesures de prévention...

Les RIPAM constituent un lien privilégié pour échanger et dialoguer sur ces sujets, présenter des travaux de recherches, de conservation ou de mise en valeur. Elles reposent sur les principes et objectifs suivants:

- Connaitre et faire connaître le patrimoine architectural et urbain méditerranéen afin de participer à sa conservation, sa transmission aux générations futures et sa valorisation, dans le cadre des études et politiques patrimoniales en lien étroit avec les enjeux du monde méditerranéen contemporain;
- D’assurer à cette connaissance et à sa diffusion une haute valeur scientifique, une diversité d’approches dans l’affirmation d’une communauté méditerranéenne et le respect des spécificités de chacun;
- De favoriser les échanges et le partage d’expériences entre les deux rives.

COMITÉ PERMANENT RIPAM

José Alberto Alegria (*Università degli Studi Lusiada de Lisbonne, Portugal*)

Taoufik Belhareth (*ENAU- Université de Carthage, Tunisie*)

Philippe Bromblet (*CICRP- Marseille, France*)

Roberto Bugini (*CNR- Gino Bozza Milano, Italy*)

Younes El Rhaffari (*Faculty of Sciences Mohammed 5 University, Rabat, Maroc*)

Fabio Fratini (*CNR-Firenze, Italy*)

Filipe Gonzalez (*FAA, Faculdade de Arquitectura, Universidade Lusiada de Lisbonne, Portugal*)

Mustapha Haddad (*Fac, Des Sciences de Meknès, Maroc*)

Mounsif Ibnoussina (*Université Cadi Ayyad, Marrakech, Maroc*)

Said Kamel (*Faculté des Sciences de Meknès, Maroc*)

Boudjemaa Khalfallah (*IGTU- Université de M’sila, Algerie*)

Roland May (*CICRP- Marseille, France*)

Mohamed Mili (*IGTU- Université de M’sila, Algerie*)

Mohamed Nocairi (*Université Cadi Ayyad ,Marrakech, Maroc*)

Daniela Pittaluga (*DAD- Università degli Studi di Genova, Italy*)

Abderrahim Samaouali (*Faculty of Sciences Mohammed 5 University, Rabat, Maroc*)

Abid Sebai (*ENAU- Université de Carthage, Tunisie*)

Session 1	
Annunziata Maria OTERI, Nino SULFARO <i>Revitalization Strategies between Culture and Social Marginalisation. The Case of the Historic Centre of Cosenza.</i>	pag 16
Giovanni Battista COCCO, Ester COIS, Caterina GIANNATTASIO, Andrea PINNA, Valentina PINTUS <i>The permanence of form. A methodological proposal for the re-signification of depopulated small towns of Sardinia.</i>	pag 18
Camilla MILETO, Fernando VEGAS, Valentina CRISTINI, Lidia GARCIA <i>Examples of traditional spanish architecture “on the edge”: an analysis of social benchmarks related to conservation policies.</i>	pag 20
Fatma-Zohra HARIDI, Ali BOULEMAREDJ, Ala Eddine LAOUIER, Amira OULED-DIAF, Amel SAIFI <i>Abandon de Ksour Sahariens entre indifférence et désintéressement.</i>	pag 22
Andrea UGOLINI, Chiara MARIOTTI <i>Planning and managing the cultural reactivation of internal areas. The experience of Sextantio in Santo Stefano di Sessanio.</i>	pag 24
Teresa M. CAMPISI <i>Knowledge and strategies for conservation of historic technologies.</i>	pag 26
Caterina VALIANTE <i>Fragilities and resources of depopulated mountain villages: consequences of reactivation initiatives on the architectural heritage. The case of northern Belluno province.</i>	pag 28
Sara ROCCO <i>Effects of abandonment in the city of Pula after Italian exodus.</i>	pag 30
Valentina CINIERI, Alisia TOGNON <i>Mountainous abandoned areas and territorial fragilities. Cultural preservation, reuse, improvement strategies.</i>	pag 32
Osama HAMDAN, Carla BENELLI, Luigi MARINO <i>With the key on the heart, between the pain of loss and future hope.</i>	pag 34
Emanuele ROMEO <i>Les conflits religieux et sociaux comme cause de la transformation et de l’abandon récent de certains établissements byzantins en Asie Mineure.</i>	pag 36
Caterina GARDELLA, Silvana VERNAZZA <i>Modernité, abandon des villages, hypothèses futures: des cas italiens en Ligurie.</i>	pag 38
Riccardo RUDIERO <i>La comunità patrimoniale vaudoise, entre phénomènes de vivacité culturelle et dépeuplement.</i>	pag 40
Deborah SANZARO, Maria Rosaria VITALE <i>Territoires en déclin: changements démographiques et crise des villages et des villes moyennes dans l’intérieur de la Sicile.</i>	pag 42
Pierfrancesco FIORE, Emanuela D’ANDRIA <i>An innovative analysis tool for the small towns’ valorization: the Riccia municipality’s case study.</i>	pag 44

Session 2	
Silvia FINESCHI, Domenico DEBENEDICTIS, Laura BURZAGLI, Miguel Reimão COSTA, Christian DEGRI-GNY, Silvia RESCIC, Maria Dolores ROBADOR, Cristiano RIMINESI <i>Toward sustainable regeneration of historic endangered towns: strategies for increasing resilience.</i>	pag 46
Daniela PITTALUGA <i>Quartiers semi-abandonnés: stratégies partagées de valorisation du patrimoine immatériel pour la conservation du patrimoine matériel.</i>	pag 48
Gianfranco PERTOT <i>Permanence in absence. Can the current fortunate preservation of historic and environmental heritage of Val Cervo (Piedmont, Italy), despite economic crises and dramatic depopulation, be considered a legacy of the idea of a different use of territory of Ermenegildo Zegna and Adriano Olivetti?</i>	pag 50
Rossella MASPOLI <i>Modern and industrial: the new abandonment. The case of the canavese area.</i>	pag 52
Manuela MATTONE, Elena VIGLIOCCO <i>New proximity tourism opportunities. Hydroelectric heritage: a new alliance between owners and tourist/citizens.</i>	pag 54
Laura MARCHIONNE, Elisa PARRINI <i>The “Canto di Stampace” – a case study for the requalification and urban reconnection of the City of Pisa through the ancient defensive structures.</i>	pag 56
Pierpaolo FREDIANI <i>Contemporary architecture in historic villages? The case of Uglianfreddo.</i>	pag 58
Michele COPPOLA, Letizia DIPASQUALE <i>Traditional masonry buildings on the Tuscan Apennine Mountains. The abandoned villages around Firenzuola.</i>	pag 60
Sara GARUGLIERI, Valentina PUGLISI <i>The S. Appiano Pieve in Barberino Val d’Elsa (Tuscany, Italy): restoration and enhancement for a sustainable reuse.</i>	pag 62
Elena VITAGLIANO <i>Archipelago Campania. Abandoned villages and conservation strategies for needs of post-pandemia tourism.</i>	pag 64
Benedetta SILVA <i>Return to the Inner Area sin the post covid: rehabilitate the wide spread building between challenges and potential conflicts.</i>	pag 66
Barbara TETTI <i>The Village of Monterano: Identity Features and Restoration.</i>	pag 68

Renata PICONE, Luigi VERONESE, Mariarosaria VILLANI
Beyond earthquake. Knowledge for restoration. The case-study of Cornillo Vecchio (Amatrice, Italy).

pag 70

Lorenza COMINO, Simona G. LANZA
Landscape and cultural identity - some cases of western Liguria.

pag 72

Nadia FRULLO
Les processus d’abandon et de resignification des lieux après le tremblement de terre: deux études de cas siciliennes en comparaison.

pag 74

Daniela PITTALUGA
Traces of history in the semi-abandoned villages hit by the earthquake: elements for a conscious restoration.

pag 76

Gianfilippo VALENTINI
The Castle of Sant’Apollinare in Marsciano (PG), survey, documentation and proposal to enhance the culture of the olive tree in a medieval village at risk of abandonment after seismic events.

pag 78

Session 3

Barbara PAOLETTI, Marco TANGANELLI
Multilevel analysis for the protection of the architectural heritage of small villages.

pag 80

Enrica PETRUCCI, Lucia BARCHETTA, Diana LAPUCCI
Vulnerability of historical centers: the case of Camerino (Marche Region).

pag 82

Giorgia PREDARI, Cristiana BARTOLOMEI, Cecilia MAZZOLI, Caterina MORGANTI, Giovanni MOCHI
Knowledge methods for the protection of minor historical centres affected by earthquakes.

pag 84

Farida SEHILI
The social and biophysical vulnerabilities and the modelling of boumerdes seismic disaster in 2003 (Algeria).

pag 86

Simona TALENTI, Annarita TEODOSIO
Wounded places: from devastation to warning.

pag 88

Alessandra ANGELONI, Andrea GIANNANTONI, Michele PARADISO
The church of s.Giovanni battista decollato at mensano (siena): an assessment of the structural condition of the church and adjacent buildings.

pag 90

Giovanni MINUTOLI, Andrea ARRIGHETTI
Documentation and enhancement of the historical town center of Brolo.

pag 92

Stefano GALASSI, Eloisa FAZZI, Giacomo TEMPESTA, Ugo TONIETTI, Luisa ROVERO, Giorgio VERDIANI, Maria Luisa SATTA, Giovanni DI MAIO, Rossella PACE, Nicola RUGGIERI
Seismic Risk Assessment of Ruins in Pompeii’s Archaeological Site through the reference case study of the Stabian Baths.

pag 94

Session 4

Fatima-Zahra BOUGHANEM, Etienne WOLFF
A la mémoire de Sainte Crispina; Etude de la basilique paléochrétienne de Theveste.

pag 96

Sana SMADAH
La cité minière de Djerissa, un patrimoine industriel en abandon.

pag 98

Hazar SOUISSI BEN HAMAD
De l’abandon à la valorisation: Le noyau historique de Testour entre dynamique et dysfonctionnement. conservation du patrimoine matériel.

pag 100

Faiza MATRI
Quelles stratégies pour la conservation et la mise en valeur des ksours du Sud-est de la Tunisie: cas de Béni-Khédache.

pag 102

Giovanni COPPOLA
Earthquakes, abandonments and identities through some case studies in Irpinia.

pag 104

Francesco PISANI
L’activité de restauration de Piero Sanpaolesi au Moyen-Orient, quelques exemples pour mieux comprendre et protéger l’architecture méditerranéenne.

pag 106

Joe ZAATAR
A modern neighborhood for prosperity. The case of the International and Permanent Fair of Lebanon in Tripoli by Oscar Niemeyer.

pag 108

Anna Chiara BENEDETTI, Giorgia PREDARI, Riccardo GULLI, Felice MONACO
Enhancement strategies for historic towns. A proposal for the village of San Giovanni Lipion.

pag 110

Wassila OUAAR
Tourism Marketing in the Mediterranean Arab Countries: a Strategy to Restore Internal Regions at Risk of Abandonment.

pag 112

Pilar MIGUEL-SIN MONGE, Gema RAMÍREZ PACHECO
New tourism models as a mechanism for the conservation of cultural heritage: the case of Cádiz.

pag 114

Lamia HADDA
L’architecture traditionnelle des villages perchés du centre-nord tunisien: le cas de Zriba el-Alia.

pag 116

Session 5

Maria Luisa GERMANA’
Holistic Approach to the Mediterranean Architectural Heritage at risk of abandonment: the case study of Montalbano Elicona (Italy).

pag 118

Cheima AZIL, Luisa ROVERO, Boualem DJEBRI, Fabio FRATINI, Giulia MISSERI, Ugo TONIETTI
Vernacular architecture of the Souf region (Algeria): urban morphology, architectural features and constructive technique.

pag 120

Vidal GOMEZ MARTINEZ, Blanca del ESPINO HIDALGO, María Teresa PEREZ CANO
Beyond the no name house. New studies: Utrera.

pag 122

Saša MIHAJLOV, Marina PAVLOVIC’, Andjelija MILASINOVIC’ <i>Reuse as a model for the preservation of rural architecture.</i>	pag 124
--	---------

Session 6

Karima MAZIRH, Mounsif IBNOUSSINA, Rachida KASIMI, Omar WITAM, Mohamed NOCAIRI, Oksana YBAK-TURCHANINA <i>Réinvestir le patrimoine abandonné pour faire face à l’urgence du COVID 19: cas du village AZRO (Haut Atlas de Marrakech, Maroc).</i>	pag 126
Fabio FRATINI, Oana Adriana CUZMAN, Silvia RESCIC <i>Montecastelli Pisano and Cerbaiola: virtuous surviving examples of two small old villages.</i>	pag 128
Marco ABBO, Francesca Luisa BUCCAFURRI <i>Dialogue around abandonment.</i>	pag 130

Session 7

Matteo BIGONGIARI <i>The digital documentation of the mountain village of Rocca Ricciarda: between medieval and modern archeology.</i>	pag 132
Marta ZERBINI <i>L’architecture des villages ruraux en Arménie centrale : relevés et interventions pour une stratégie de développement durable.</i>	pag 134
Giovanni PANCANI, Gianfilippo VALENTINI <i>Castel Focognano, survey and documentation of a central Apennine borough which has fallen from the provincial capital to a peripheral hamlet, now at risk of abandonment.</i>	pag 136
Marco RICCIARINI, Adelaide TREMORI <i>Garfagnana, a project for the rebirth.</i>	pag 138
Alessio CARDACI, Antonella VERSACI, Luca Renato FAUZIA, Michele RUSSO <i>Explorer les villes abandonnées, préserver la mémoire des lieux: le cas d’étude de Santa Margherita dans la vallée du Belice en Sicile.</i>	pag 140
Paola PUMA <i>The identity survey for the sustainable enhancement of the historical contexts, small towns, and villages.</i>	pag 142
Giovanni PANCANI, Giacomo TALOZZI <i>The village of Strumi near Poppi, searching the remains of the ancient Abbey of San Fedele in Strumi.</i>	pag 144
Carlo COSTANTINO, Angelo MASSAFRA, Davide PRATI, Simone GARAGNANI, Giovanni MOCHI <i>The safeguard of built heritage in archeological sites, an interdisciplinary approach based on light-weight uav photogrammetry and terrestrial laser scanning survey.</i>	pag 146
Antonio BENAVIDES LÓPEZ, Emma VERDELLI, Giorgio VERDIANI <i>Abandoned villages in the area of Granada.The forgotten heritage of Tablate.</i>	pag 148
Laura AIELLO <i>Le musée diffuse: stratégie pour valoriser les villages à risque d’abandon. L’étude de cas de Pitigliano entre patrimoine matériel et immatériel.</i>	pag 150

Giovanni PANCANI <i>Quota, a struggle of a mountain village to assert its survival.</i>	pag 152
--	---------

Session 8

Massimo CARTA <i>Places of value, abandonment and transformation: the importance of a greater integration of disciplinary tools.</i>	pag 154
Angela PARISI <i>Territorial Capital: a source for the revival in inner areas.</i>	pag 156
Domenico D’UVA Chiara RAVAGNAN, Chiara AMATO, Giulia BEVILACQUA <i>Slow mobility as a connection driver for fragile territories between coastline and inner areas.</i>	pag 158
Mariacristina GIAMBRUNO, Sonia PISTIDDA <i>Critical issues and prospects for a post-Covid re-appropriation of built heritage in the marginal internal areas in Lombardy.</i>	pag 160
Adriana GHERSI <i>Autour des villages historiques abandonnés: valorisation, mise en réseau des ressources et stratégies communes de gestion du paysage.</i>	pag 162
Marco ROSSITTI, Francesca VIGOTTI <i>Community engagement for the enhancement of rural heritage systems: Pantelleria as case study.</i>	pag 164
Roberto BOBBIO, Paolo ROSASCO <i>Recovery and enhancement strategies for the villages of the Ligurian hinterland. The case study of the Fontanabuona valley.</i>	pag 166
Giampiero LOMBARDINI <i>Agriindustrial dynamics and settlement heritage at risk. The case of the Albenga sub-region.</i>	pag 168
Carlo A. GEMIGNANI, Luisa ROSSI <i>Villas, bâtiments ruraux et architectures militaires entre abandon et récupération: l’habitat historique rural dispersé de l’île Palmaria (La Spezia - Italie).</i>	pag 170
Amina HAUCHE <i>L’abandon progressif des heritiers des habitations des quartiers d’origine coloniale. Cas de la cité tldjene (ex cité Levy) setif.</i>	pag 172
Joli MITROJORGJI <i>Towards a multidisciplinary approach for conservation of cultural settlements in Albania .</i>	pag 174
Elisa MIHO, Joana LAMAJ <i>Dhoksat, architecture through centuries.</i>	pag 176
Giulia PETTOELLO <i>A ‘filter building in the Cabanyal Quarter on Valencia.</i>	pag 178
Claudia CAVALLO, Caterina LISINI <i>Paysage sans paysans: lectures de projet.</i>	pag 180
Enrico BASCHERINI <i>Recompose the minor places, the value of the dictionary logic of architecture.</i>	pag 182



The village of Strumi near Poppi, searching the remains of the ancient Abbey of San Fedele in Strumi.

Giovanni Pancani, Giacomo Talozzi

The village of Strumi is located near Poppi, in Tuscany, on the northern border of the province of Arezzo, in Casentino; it was founded by the Counts Guidi, who were also decisive for the growth of the medieval village of Poppi, where they built the mighty castle-palace on the top of the hill in a highly strategic position for the control of the valley. The Guidi, who had been around Poppi since the tenth century built their first castle on a hill right in Strumi, above the small village where the ancient Abbey of San Fedele in Strumi stood, a few kilometers west from city of Poppi. The abbey of Strumi, to which we have the first news from a document of 992, initially adopted the Cluniac rule, and then passed to the Vallombrosan rule; it was an important religious center until in the twelfth century the Guidi, who were its protectors, decided to move it within the built area of Poppi. The turning point occurred following the displacement of the Guidi castle on the Poppi hill; consequently it was decided to move the monastery within the walls of the village, and construction began on the new abbey of San Fedele in Poppi. The election of the abbot of Strumi, Giovanni Ungari, to the Antipapa role, with the name of Callisto III, was also decisive for the loss of prestige of the ancient monastery; the title was later abdicated, under pressure from Federico Barbarossa, who had elected him, because of the defeat of Legnano in 1177, and there was a “restorative” appointment by the papacy of Giovanni Ungari as Bishop of Benevento. In 1262, with the completion of the city walls of Poppi, the monks moved permanently to the city. With the exodus towards the new abbey of San Fedele, Strumi suffered a gradual abandonment for four centuries, until the abbot of Bibbiena took care of the restoration. The structure of the church is changed, half transformed into a chapel and half into a farmhouse. Today, four hundred years later, Strumi looks like a small rural village. In 2009-2010, a large amount of data on the morphology of the site was obtained with a laser scanner survey, especially as re-

gards the exteriors and to a lesser extent on the interiors, especially in the church and in the former apsidal area. As regards the historical data and the relevant methodologies used, them can be found to the following publications:

Barghiacchi R., 2009, I castelli dei conti Guidi in Casentino. Storia di un contesto archeologico, in *La lunga storia di una stirpe comitale. I conti Guidi tra Romagna e Toscana*;

Rauty N., 2003, I conti Guidi in Toscana. Le origini e i primi due secoli (927-1164) In *Documenti per la storia dei conti Guidi in Toscana. Le origini e i primi secoli 887-1164*, Firenze, Leo S. Olschki Editore;

Pancani, G., Tocchi M., 2012, Osservazioni sulla campagna di rilievo a Strumi, in Bertocchi S. Parrinello S. (a cura di): *Architettura eremitica, Camaldoli*, 21-23 settembre 2012, Edifir, Vol. 1.

As regards the implementation of the data relating to the new survey project, we can say that, if taken individually, to date, the survey mentioned above has already given lots of information relating to the morphology of the site, however, it has been chosen to integrate it with techniques of structure from motion, realizing both terrestrial and aerial photogrammetric surveys. In this new survey campaign, information has been implemented relatively both as regards quality and quantity compared to the previous laser scanner survey, with information capable of producing detailed thematic maps, above all relating to the conformation of the walls, to their state degradation and also their stratigraphy. The research, therefore, proposes on the one hand the enhancement and deepening of the previous survey, on the other, to obtain a new database relating to the more qualitative aspects of the village, to go to verify and identify more precisely what emerges from the historical documents, both to propose any enhancement campaigns of the village itself.