

## Research Group

### The Memory of Sites. History and Preservation for promoting the environmental and architectural heritage - MemoS

**Reference year:**

2024

**Scientific Coordinator:**

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Group members belonging to other network-related offices:

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GARCIA SANCHEZ Laura / Universidad de Barcelona (Spain)

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REDKWA Ana Ines / Universidad de La Plata (Argentina)

SABATINO Michelangelo / Full Professor / IIT Chicago (Illinois, USA)

SUBIRANA REBULL Rosa Maria / Professor / Universitat de Barcelona (Spain)

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### **Description of research lines:**

The objective of the Research Group is to develop and deepen investigation themes, for which, operating in close synergy between different but complementary disciplinary areas, we mean a system of enhancement of anthropized territories through the integrated reuse of natural and cultural resources.

In this perspective, the main research lines are:

#### **ARCHITECTURE FOR WELLNESS AND VACATION**

Operating with a view to sustainable development, the research line intends to build strategies for the compatible enhancement and reuse of historical places of the cultural vacation between the nineteenth and twentieth centuries, such as to propose homogeneous tourist-cultural itineraries and to create unprecedented geo-referenced networks, even supported by a specific interactive website. A first focus was on studying, cataloguing and valorising thermal buildings in order to recover the historical identity of heritage that have to be safeguarded, being them artifacts that witness health and beauty treatments over time, and even a possible network of protected touristic sites. These structures, today even often topics of new scientific analysis, both individually and as a whole made of urban entities like *villes d'eaux*, constitute an extraordinary patrimony to be improved in relation to their regional territory. Starting from this premise, once having undergone a peer-to-peer evaluation procedure, we received two-year European funding for the period 2016-2018, as part of the bilateral MIUR-DAAD Joint-Mobility Programme, for the research project on “Kulturpfade an Orten mit Thermalanlagen: Erforschung und Wiederherstellung” (“Touristic itineraries among thermal resort sites. Knowledge, recovery and enhancement”), which was conducted with the Department of Architecture of Bochum, University of Applied Sciences (Germany). In addition, interacting with scholars from other departments of this University and research centres (Departments of Economics and Experimental Medicine, CNR), this research group attended to various competitive tenders on these issues, such as the intra-university Valere 2019, issued by the

University of Campania "Luigi Vanvitelli", evaluated positively but not financed, and the FISR 2019, both positively assessed but not approved.

### THE CITY PALACE

The research line promotes the philological knowledge and the cataloguing of the early modern city palaces within the "great dimension" of the Spanish empire, with particular attention to the three capital cities, Madrid, Naples, and Barcelona. The project aims at identifying common models and languages for the enhancement of this architectural heritage of great scientific interest, basing on its cultural, social, and anthropological connotations. Starting from the cataloguing of the most significant episodes still existing in the historical centres of the cited three capital cities, the study has been extended to other case-studies hitherto neglected by historiography, on which new documentation we are now founding, in order to define an exhaustive database and, then, to proceed to its critical-comparative analysis.

The first results are being achieved with the support of the financing obtained thanks to a competitive tender issued in 2015 by the Ministerio de Economía y Competitividad of Spain. The biennial project (EF 2016-2018) focused on cataloguing and knowledge of aristocratic residential built heritage, which presents decorative or structural elements that can be defined as "oblique architecture", such as indicated by Juan Caramuel de Lobkowitz in his treatise "Architectura Obliqua".

The research flowed into the project "*Arte y cultura en la Barcelona moderna (ss. XVII-XVIII). Relaciones en influencias en el ámbito del Mediterráneo occidental*", thanks to further financing obtained in 2018 by winning a further competitive tender, issued by the Ministry of Ciencia, Innovación y Universidades - Spain.

### GREENWAYS. STORIES OF ARCHITECTURE AND LANDSCAPES

In the common sense, the function of greenways semantically refers to the ecological-naturalistic availability of non-motorized connection routes, having the form of a one-dimensional infrastructure crossing landscapes, independent from the historical and architectural connotations of the contexts where they located. Starting from these premises, the research line has the objective of establishing "knowledge paths" for the enhancement of the memory of places. The research team involved scholars from different research institutions and some companies, including Politecnico of Milano, Politecnico of Torino, University of Naples "Federico II", CNR and FIAB. Starting from the history of territories, combined with the analysis of geopedological, physiographic, socioeconomic, and cultural features, evaluating the material and immaterial values so detected, we are working on issues related to greenways, in order to identify possible historical-architectural itineraries on the basis of the EuroVelo European Plan and the Bicaltalia Project. Furthermore, we are identifying systems of paths between homogeneous elements (i.e., historical road layouts, river landscapes, hermitages, rock nodes and Benedictine settlements, fortified architectures, ancient disused infrastructures, minor rural towns), returning critical hypotheses for interventions of environmental restoration.

Particular attention was paid to the historical and archaeological area of Cimitile (Naples), where since a lot multidisciplinary studies have been developed within the broader research project financed by ministerial funds "Materia Cimitile - Heritage material and immaterial of the culture of conservation", whose focus is on the Late Ancient, Early Christian, Medieval and Modern Archaeological Urban Park in Cimitile. In the laboratory in progress, together with analysing that built heritage qualitatively and quantitatively, we are dealing with its restoration and compatible reuse, considering that it has been too much neglected culturally and as a tourist site, so far. These research topics were deepened and presented to the calls PRIN 2017 and FISR 2019, both

positively assessed but not funded, as well as to the DAAD “Dialogue with South Europe 2021” call, which has been positively assessed and funded.

The study group has interacted with scholars belonging to research institutions and entities of the productive sector, including the Polytechnics of Milan and Turin, the "Federico II" University, CNR, FIAB.

### SOCIAL HOUSING BETWEEN SEGREGATION AND BOUNDARIES IN CONTEMPORARY CITY

The research line investigates the birth of contemporary city from the nineteenth century until today, through the formation and development of public housing districts. Guided by an optimistic faith in progress, modern architects designed architectures and cities that, by combining technology, form, and social commitment, pursued a certain form of beauty. The challenge today is how to relate and update this tradition in relation to the physical, economic, and functional changes of contexts, rethinking existing social housings for their conservation or redevelopment.

In many Western countries the contemporary planning requires that the construction of low-cost neighbourhoods, especially within non-urbanized contexts, is interrelated with the creation of community start-ups. In Italy, for example, the start-up "Competence Centre" on Smart Cities was founded in 2015. Through the contributions of various disciplinary fields, like history of architecture, urban history, historic preservation, architectural survey, urban planning, architecture technology and building techniques, the research group intends to compare Italian and international case-studies to analyse and compare their theoretical and planning schemes. The goal aims to establish new accessibility and sustainability parameters for the creation of inclusive communities, and new strategies to preserve, reuse and redevelop these buildings and their neighbourhood and urban infrastructures.

Among the first results achieved, there was the funding obtained in 2019 by the Deutscher Akademischer Austauschdienst German (DAAD) for the study “Die soziale Stadt. Stadtentwicklung und Wohnprojekt in Berlin und Neapel in der Nachkriegszeit, ein Vergleich. Die theoretische Medelle, die realisierte Projekte, die soziale und Auswirkungen Heute / Urban development and social housing in Berlin and Naples after the Second World War: policies, models, emergencies, achievements, critical issues and perspectives”, whose leader is the Technische Universität of Berlin.

### **Relationships with other research groups of the University of Campania L. Vanvitelli during the last three years:**

The research group members, in relation to the identified lines of investigation, have interacted with researcher and scholars from the following University Departments:

-Gemme e Gioielli: Storia e Design - HIDEeG2 (Gems and Jewels: History and Design - Hjde)

The System. Architetture e Infrastrutture per la digitalizzazione (The System. Architectures and infrastructures for digitization)

- “Edifici a Energia Zero verso Edifici a Energia Incorporata Zero (ZEB twd ZEEB) / Zero Energy Building towards Zero Embodied Energy Building (ZEB twd ZEEB)” (coord. scient. prof. A. Violano – Dipartimento di Architettura e Disegno Industriale)

Political, legal e sociological profiles of phrenological research in Italy (coord. scient. prof. A. Cesaro, Dipartimento di Scienze Politiche)

- Disegno, Rilievo, Rappresentazione, Strutture, Comunicazione dei beni culturali

- Department of Economics:

Research fields:

- Architecture for Wellness and Vacation
- Greenways. Stories of Architecture and Landscapes
- Social Housing between Segregation and Boundaries in Contemporary City

- Department of Humanities and Cultural Heritage:

Research fields:

- Architecture for Wellness and Vacation
- Greenways. Stories of Architecture and Landscapes
- The City Palace

- Department of Experimental Medicine:

Research fields:

- Architecture for Wellness and Vacation
- Greenways. Stories of Architecture and Landscapes

**Participation in research projects during the last three years:**

*Research Project: The Vesuvian lost cities before the “discovery”. Sources, Experience, Imagery in early modern period*

*Scientific Coordinator:* Giulia Ceriani Sebregondi

*Title of the call:* PRIN 2022 - MUR

*Description of the research:* This two-years research project aims to explore the story of the lost city of Pompeii - and the other Vesuvian urban centres — before 1748, when the archaeological excavation definitively conducted to the “discovery” of the ancient city, altering the multi-layered facies of the places. The Research project focuses in particular on Early Modern age, investigating first Pompeii area, and then possibly extending to Herculaneum, Oplontis and Stabiae, by means of a multiplicity of sources: inscriptions and epigraphies, toponymy, topographical texts and maps, iconographic and cartographic evidences, literary texts, archaeological and architectural remains, archival documents, figurative objects. It is aimed at analysing the perception and interpretation by the people inhabiting and visiting the abandoned city and environment, and more in general reconstructing the experience of living with ruins and abandoned cities after natural disasters in varied dimensions: symbolic, socio-political, as well as material. The objectives of the research can be summarised in (i) the investigation and retracing with documentary and material sources of a "denied" history and the restoring of the complexity and identity of a "lost" landscape; (ii) the reconstruction in time of the perception and experience in symbolic and material dimensions of living with ruins and abandoned cities after natural disasters, strongly characterising Italian peninsula and particularly Southern Italy; (iii) the dissemination of a richer history which will improve not only the academic scientific knowledge, but can benefit civil society and public institutions in laying the foundations for more articulated conservation strategies to protect and manage a wider cultural heritage.

*Team of the Project:* Giulia Ceriani Sebregondi, Danila Jacazzi, Francesca Mattei (Uniroma3)

*Partner:* Università della Campania “Luigi Vanvitelli”; Università di Roma Tre

*Status:* funded

*Submission date:* 31.3.2022/17.10.2023/17.10.2025.

*Research Project: Shape and structure in masonry staircases in Naples. Criteria for the definition of knowledge models for safeguard and local tradition enhancement (STARES).*

*Scientific Coordinator:* Vincenzo Cirillo.

*Title of the call:* Call for funding for fundamental and applied research projects dedicated to young researchers.

*Description of the research:* STARES will investigate the masonry stairs using interdisciplinary criteria, techniques and tools for the preparation of cognitive models useful for the critical analysis, recovery and valorisation of the asset. The most recent European provisions regarding the valorisation of cultural heritage are giving main importance to (i) the protection of the identity values of places, (ii) the recovery of local traditions and, (iii) the virtualisation of contexts and inclusive use. In this context, STARES will focus on the masonry staircases of the eighteenth century Neapolitan located in residential buildings and based on famous models designed by the architect Fernando Sanfelice: a building heritage of immense architectural and cultural value, which also contains a construction tradition to be valorised. known and recovered to safeguard it. To date, natural and anthropic actions, degradation phenomena, the denaturalization of the original design (for example, through the insertion of further rigid elements such as elevators inside the wells or on the facade) and, above all, the insufficient knowledge of the original construction technique, constitute worrying factors that contribute to the risk of loss of this architectural and construction heritage. It is therefore imperative to increase knowledge of these assets, with the aim of designing adequate protection actions and improving access by the community, which is the objective of the STARES project.

*Team of the Project:* Corrado Chisari (co-PI), Ornella Zerlenga, Margherita Cicala, Luigi Corniello, Francesco Roselli

*Project Status:* funded

*Submission date:* September 2023 - April 2024

*Research Project:* *Inaccessible religious architecture. A workflow of knowledge, 'expanded' usability and 'inclusive' accessibility (EX-IN\_AccessiBILITY).*

*Scientific Coordinator:* Vincenzo Cirillo

*Research unit managers:* Antonella di Luggo (Unina), Alessandra Lardo (UniParthenope)

*Title of the call:* PRIN: RESEARCH PROJECTS OF RELEVANT NATIONAL INTEREST – PRIN 2022

*Description of the research:* The project proposes to investigate the religious architectural heritage of the city of Naples (Italy) to transform the condition of inaccessibility of some assets into a renewed accessibility, with the preparation of 'expanded' fruition systems (physical and virtual) capable of enhancing the user experience with multisensory input design. Through the definition of a theoretical framework of taxonomy of the inaccessibility of the context investigated, the project will identify scenarios that re-insert religious architecture into the circle of possible experiences in situ, determining a virtuous effect on the economy of the territories and on the regeneration of the contexts of membership. In particular, the expected result is the encoding of a operational workflow for 'inclusive' accessibility and 'expanded' usability of religious architecture even during the implementation of safety interventions (temporary works).

Among the impacts of the research, there is the possibility of adopting the operational workflow for other classes of cultural heritage for the acquisition of future funding for valorization interventions.

*Team of the Project:* Vincenzo Cirillo, Ornella Zerlenga, Alessandra Cirafici, Piscitelli Manuela, Miele Riccardo, Antonella di Luggo, Alessandra Lardo.

*Status:* submissive

*Submission date:* March 2022

*Project title: SISMIC RISK MANAGEMENT for the tourist enhancement of the historic centers of Southern Italy - GENESIS (project code ARS01\_00883)*

*Scientific Coordinator:* Enrico Spacone, University of Chieti-Pescara

*Title of the call:* Presentation of industrial research and experimental development projects in the 12 areas of specialization identified by the 2015-2020 PNR"

*Description of the research:* The main objectives of the research proposal concern the development of an IT platform for the collection of information on heritage of historical-cultural interest, aimed at simulating damage scenarios for the management of emergency situations (territorial scale); planning of seismic risk reduction interventions (urban scale); to the development of structural behavior models for the assessment of static safety and seismic vulnerability as well as interventions that may be necessary based on the previous analysis (building scale).

*Team of the Project:* Gianfranco De Matteis

*Partner:* Luigi Vanvitelli University of Campania, University of L'Aquila, University of Basilicata, Mediterranean University of Reggio Calabria, University of Enna Kore, Iuav University of Venice, University of Bergamo, University of Pisa

*Status:* positively evaluated / funded / in progress

*Submission date:* 9-11-2017/01-01-2023/30-06-2025

*Project title: Places and stories of proximity. A methodology for the regeneration of collective spaces in modern neighborhoods*

*Scientific Coordinator:* Claudia de Biase

*Title of the call:* Prin 2022

*Description of the project's research activities:* The project proposes to experiment with a research methodology aimed at regenerating the collective spaces of modern neighborhoods as a crucial resource for addressing the challenges posed to living by the pandemic crisis. In fact, the proposal intends to contribute to the project of a "city of proximity", creating the conditions to bring together the significant offer of collective spaces in modern neighborhoods with the new demand for proximity spaces and services generated by the spread of more intensely linked to living environments. Specifically, the research project intends to experiment with a multidisciplinary and participatory intervention methodology involving architectural and urban design researchers, urban planners and historians of architecture and the city to be made available to local authorities, owners, citizens' associations and private entities. interested in the regeneration of collective spaces and services in modern neighborhoods.

*Team of the Project:* Chiara Ingrosso Francesca Castanò

*Partner:* University of Roma Tre, Polytechnic of Turin

*Status:* Awaiting Evaluation

*Project submission:* 03/31/2022

*Project title: Thermal Heritage for Ecosustainable Regeneration, Mobility and Economy.*

*Scientific Coordinator:* Monica Esposito

*Title of the Call:* Bando di Ateneo per il finanziamento di progetti di ricerca fondamentale ed applicata dedicato ai giovani Ricercatori

*Description of the project's research activities:* The research aims to define a strategy to enhance anthropic territories in Campania, in particular, those characterised by degradation and prolonged abandonment through the integrated and compatible reutilization of natural and cultural resources.

Starting from the history of the territory, combined with the analysis of its socio-economic and

cultural characteristics, as well as its material and immaterial values, the Campania's thermal system will be studied as a possible driver of future policies to enhance the territory, with a view to sustainable development.

*Team of the Project:* Elena Manzo, Anna Giannetti, Danila Jacazzi, Marina D'Aprile, Claudia De Biase, Marco Calabrò, Antonella Violano, Riccardo Serraglio, Diego Matricano, Mario Sorrentino

*Status:* financed.

*Project submission/start/end date* July 2022/ October 2022/January 2023

*Project title: Housing mobility and digital transition. Evaluation tools and technologies for understanding current and future people's living needs, supporting territorial governance and regeneration processes.*

*Scientific Coordinator:* Fabiana Forte

*Title of the call:* PRIN 2022

*Description of the project's research activities:* The Project starts from the hypothesis that housing mobility, aimed at improving people's well-being and quality of life, is a phenomenon that can grow within a new post-pandemic normality and that will predict: i) growth of flexible, hybrid and innovative work formulas in terms of places and methods of offer; ii) the transition to digital of many activities hitherto characterized by a "material" dimension. This phenomenon significantly impacts territorial governance and requires adequate methodologies, models and tools to be studied; the "historicist" approach on which the planning activities of the municipalities are based is not considered sufficient to understand the new housing needs. Based on what has been said, the general objective of the Project is to define appropriate methodologies, tools and technologies for the analysis and evaluation of new housing needs - in particular those linked to place - in the time of digital society; this knowledge opens up broad scenarios for virtuous territorial governance, from which urban regeneration can arise: i) addressing the flows of housing demand; ii) lay the foundations for fair housing policies. The Project is therefore configured as a study and investigation activity leading to the understanding - among demographic phenomena - of housing mobility, which significantly affects the issues of urbanization and, consequently, the use and protection of the territory, the urban regeneration, protection and enhancement of agricultural areas.

*Partner:* University of FLORENCE (leader), University of ROME "La Sapienza", University of Campania "Luigi Vanvitelli".

*Project status:* funded (in progress).

*Project submission/start/end dates:* 30/11/2022.

*Project title: Southern Italy. From Common Goods to Ecological Resources. Environmental Development Prospects for Areas Subject to Civic Use in Campania and Molise.*

*Scientific Coordinator:* Elena Manzo

*Title of the call:* PRIN 2022 PNRR

*Description of the research activities:* The project aims to map, investigate and evaluate the territories subject to the civic use restriction in two regions, namely Campania and Molise, defining appropriate guidelines compatible with the most up-to-date urban planning regulations in force in the territory, with the nature of the civic uses and with the rights of the communities of reference. These strategic actions will be conceived, in this sense, as operational tools for local authorities, at multiple levels, as well as useful tools to be adopted by the Ministry of the Environment and the Ministry of Cultural Heritage in the two regions. Everything will be explored starting from a critical study of the territory, based on rigorous surveys and inspections, which, moving from the analysis of the historical-urbanistic evolution of the city, the territory and the landscape, dialogues with a



multiplicity of knowledge involved such as the regulatory framework but also the fields of survey and representation, restoration and regeneration, environmental design, community inclusion policies.

*Partner:* University of Naples Federico II.

*Project status:* funded

*Submission dates:* 28/11/2022

*Project title:* Southern Italy. Culture and entertainment branding strategies using ICT and social networks.

*Scientific Coordinator:* Manuela Piscitelli

*Title of the call:* PRIN 2022 PNRR

*Description of the research activities:* The objective of the research is the study and communication of the potential of the territory of Southern Italy in order to spread it both to the local inhabitants to encourage processes of identity and re-appropriation and care of the territory, and to potential visitors and investors. It is proposed to adopt a territorial marketing and communication strategy from a system perspective, that is, to focus on the valorisation through constant communication of a widespread heritage, in which each piece can be linked to others, through a promotional action mutual which at the same time favors the understanding of the heritage as a whole. In this direction, we propose the creation of a brand for Southern Italy and the related visual identity and the design of an integrated communication system for the territories of Southern Italy, which, using the potential of ICT and social media, acts as an open container, implementable and participatory for the knowledge and valorisation of territories in all their material and immaterial components. To pursue these goals, the research involves the preparation of a web and social platform for the communication of thematic itineraries appropriately designed taking into account the potential of the territory.

*Team of the Project:* Alessandra Cirafici, Barbara Masiello, Antonella Garofano, Massimiliano Campi, Alessandra Pagliano, Valeria Cera, Mara Gallo.

*Partner:* University of Naples Federico II.

*Project status:* not funded

*Submission dates:* 11/29/2022

#### **Prodotti scientifici dell'ultimo triennio:**

*10 scientific publications in Class A or Scopus/WoS indexed journals:*

- [1] D'APRILE, M. (2022). *Riabitare i borghi: il patrimonio residenziale dei piccoli comuni tra bilanci e prospettive*, «TECHNE», 24 (2022), 1, pp. 113-11.
- [2] DE PAOLA, P., PREVITERA, S., MANGANELLI B., FORTE, F., DEL GIUDICE, F.P. (2023). *Interpreting Housing Prices with a Multidisciplinary Approach Based on Nature-Inspired Algorithms and Quantum Computing*, *Buildings* 2023, 13, 1603, MDPI, Switzerland.
- [3] FORTE, F., DE BIASE, C., DE PAOLA, F. (2021). *The multicultural territory of Domitian coast: housing condition and real estate market*, *Valori e Valutazioni*. 28, pp.81-92.
- [4] MANZO, E. (2023). *Da Nisida a Bagnoli. Storia di un litorale balneare e di una idea di dismissione della sua area industriale*, in *Il Tesoro delle Città. Strenna 2023*, Collana dell'Associazione Storia della Città, Steinhäuser Verlag, Wuppertal 2023, pp. 126-145 ISBN 978-3-942687-61-7.
- [5] PISCITELLI, M. (2022). *From 3D scanning to Virtual Tours for the fruition of Architectural Heritage. The Church of Santa Maria della Purità*. In: *Scires-it*, volume 12 Issue 2 (2022), pp.

55-68.

- [6] ROSSITTI, M., FORTE, F., TORRIERI, F. (2023). *How to Address Marginalization in Small Towns: An MCDA Approach to Evaluating Different Strategies in Campania Region*, O. Gervasi et al. (Eds.): ICCSA 2023 Workshops, LNCS 14108, pp. 455–467.
- [7] SERRAGLIO, R. (2019). *Analogie tra la facciata del palazzo dei Tufo a Lauro e la ricostruzione grafica della Porta di Fano di Giuliano da Sangallo*, in «ArcHistoR», 12/2019, anno VI, pp. 4-31. ISSN: 2384-8898, doi: 10.14633/AHR133.
- [8] ZERLENGA, O., CIRILLO, V. (2022). *The Main Staircase of Palazzo Spinelli di Laurino in Naples. Function, Shape, Geometry*. In Ródenas-López, M.A., Calvo-López, J., Salcedo-Galera, M. (Eds), *Architectural Graphics. EGA 2022*. Springer Series in Design and Innovation (pp. 405-414). Cham: Springer. ISBN: 978-3-031-04632-2.
- [9] VIOLANO, A. (2023). *Transizione Energetica per una Transizione Ecologica e Climatica*. «TECHNE», p. 247-255, ISSN: 2239-0243, doi: 10.36253/techne-14978.
- [10] VIOLANO, A., CANNAVIELLO, M. (2022). *Design process innovation through flexible and circular technological solutions*. «VITRUVIO», vol. 7(2), p. 60-73, ISSN: 2444-9091, doi: 10.4995/vitruvio-ijats.2022.18715.

*Additional 10 scientific products:*

- [1] CERIANI SEBREGONDI, G. (2033). *L'orto botanico di Roma: storia architettura cantiere*, Roma, Sapienza università editrice, ISBN: 9788893772907.
- [2] D'APRILE, M., MANZO, E., VIOLANO, A. (2022). *The enhancement of Biocultural landscapes: history, heritage, and environment driving sustainable mobility in internal areas*, Claudio Gamberdella (a cura di), BEYOND ALL LIMITS International Conference on Sustainability in Architecture, Planning, and Design, DADI\_PRESS 2022, pp. 79-83, ISBN 978-88-85556-23-2.
- [3] D'OTTAVIO, S., PERSIA, F., MIRABILE GATTIA, D. (2022). *Caso studio sul dipinto Resurrezione di Giulio Bargellini della Galleria Nazionale di Roma: sperimentazione della mucillagine di nopal come additivo nella formulazione di stucature durante il restauro*, in *Da Opuntia ficus-indica a Capsicum spp. - prodotti sostenibili per i beni culturali - Il programma bilaterale Italia-Messico (2014-2020)*, a cura di C. Alisi - L. Bacchetta - F. Persia, Roma.
- [4] ESPOSITO, M. (2022). *Klampenborg: between local identity and territorial development. An example for Campania's spas*, in *Gambardella, C. (Ed.). BEYOND ALL LIMITS. International Conference on Sustainability in Architecture, Planning, and Design.: Proceedings Book of Extended Abstracts*. DADI\_PRESS, pp. 93-97.
- [5] FORTE, F. (2022). *Regeneration and Socioeconomic Dynamics in Public-Housing. Focus on the Outskirts of Naples*. In Antonello Scopacasa. (a cura di), *The social city. Urban development and housing Projects in Berlin and Naples in the post-war-era. A comparison: theoretical models, implemented projects, social and political impact today*. p. 369-376, Berlin: Universitätswrlag der TU Berlin.
- [6] JACAZZI, D., SERRAGLIO, R. (2022). *Prefabricated structures and minimal houses in Italy and Albania during the fascist period: the "casette Pater"*, in *CHRONICLES OF EVER-CHANGING CITYSCAPES. BOOK OF ABSTRACTS, IX AACCP "Architecture, Archaeology and Contemporary City Planning symposium"*, Edited by: Gjergji Islami, Denada Veizaj, Polytechnic University of Tirana, Tirana 2022, pp. 49-51 - ISBN: 978-9928-4735-3-0.
- [7] MANZO, E. (2021). *Oltre il Risanamento. La cultura degli igienisti a Napoli e la costruzione della città contemporanea, tra bonifiche, interventi urbani, programmi edilizi e regolamenti*

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**Relationships with international and national Companies, Institutions, Research Centers, Universities during the last three years:**

École nationale supérieure d'architecture de Paris La Villette (ENSAPLV), Paris, France  
 University of Architecture and Urbanism “Ion Mincu” di Bucarest  
 University of Applied Science di Bochum (DE), Facoltà di Architettura  
 Comune di Somma Vesuviana,  
 Istituto Italiani dei Castelli  
 CESURA – Centro Europeo di Studi su Umanesimo e Rinascimento Aragonese  
 Comune di Piaggine  
 Città della Scienza, Napoli  
 El Colegio de Michoacán e la School of Conservation and Restoration of the West (ECRO)  
 Polytechnic University of Tirana (Albania)  
 Universiteti i Prishtinës, Pristina (Albania)  
 Rutgers University (New Jersey).  
 High School of Design and Architecture of Pyatigorsk State University (Russia)  
 Universidad de Alcalá, Escuela de Arquitectura, Alcalá de Henares (Spagna)  
 Universidad Politécnica de Cartagena, Escuela Técnica Superior de Arquitectura y Edificación,  
 Cartagena (Spagna)  
 Faculty of Arts, Ryerson University  
 Department of Languages, Literatures, Cultures, Ryerson University (Canada)  
 Università di Trieste  
 Università degli studi di Roma “La Sapienza”  
 Imperial College London (UK)  
 University of Minho, Portugal  
 Technical University of Catalonia (UPC)  
 Københavns Universitet  
 Det Kongelige Danske Kunstakademi

**Relationships with National Companies:**

- Archivio di Stato di Napoli [National Archive in Naples]

- Boviar s.r.l.
- Centro Nazionale delle Ricerche [National Research Center]
- Comune di Cimitile (NA)
- Curia Vescovile di Nola (NA)
- Fondazione Festa dei Gigli di Nola (NA)
- Fonderia Nolana Del Giudice
- Ministero per i beni e le attività culturali e per il turismo – Museo Storico Archeologico di Nola (NA)
- Museo Orto Botanico di Roma
- Politecnico di Milano
- Politecnico di Torino
- Provincia di Caserta

- ReLUIS [Network of University Laboratories of Seismic Engineering] in the field of Vulnerability and Seismic Risk, for the support of technical emergency management activities and connected to seismic prevention programs, for the development of knowledge and assistance in drafting standards techniques (Department of Civil Protection). ReLUIS-DPC 2019-2021 project, with particular reference to: WP2 (Inventory of existing structural and building typologies - CARTIS); WP4 (Risk maps and seismic damage scenarios - MARS); WP12 (Regulatory contributions relating to civil and industrial construction of steel and steel-concrete composites)

Protocol agreement

- Università degli Studi di Palermo
- Università di Napoli “Federico II”

Relationships with International Companies:

- Ecole Normale Supérieure d’Architecture Paris Val de Seine
- European Architectural History Network
- Hochschule Bochum (Germany)
- Illinois Institute of Technology of Chicago (Illinois, USA)
- Universidad de Barcelona (Spain)
- Universidad de La Plata (Argentina)

**Collaborations with Consortia, Scarl or other Institutions participated by the University of Campania Luigi Vanvitelli during the last three years:**

- ACER Campania- ex Istituto Autonomo Case popolari
- Associazione Nazionale Costruttori Edili (ANCE) di Caserta
- Autorità di Sistema Portuale del Mar Tirreno Centrale. L’attività riguarda lo studio della linea di costa dalla zona industriale orientale e gli ex Magazzini Generali.
- Camera di Commercio Caserta
- Coldiretti
- Comune di San Nicola la Strada. L’attività riguarda lo studio del centro urbano.
- Comune di Sorrento. L’attività riguarda lo studio del complesso cimiteriale di San Renato.
- Gruppo di ricerca sui Campi Flegrei, promosso dal Parco Archeologico dei Campi Flegrei e dall’Università degli Studi della Campania Luigi Vanvitelli, sul tema “I piani urbanistici dei centri dei Campi Flegrei” (2019)

- Istituto Sistemi Agricoli e Forestali nel Mediterraneo
- Ital Canapa
- Consorzio Fabre “Consorzio di ricerca per la valutazione e monitoraggio di ponti, viadotti

**ISI Web of Science Subject Categories:**

Archaeology  
Architecture  
Ecology  
Economics  
Engineering, Civil  
Engineering, Environmental  
Green & Sustainable Science & Technology  
History  
Urban Studies

**Scientific-Disciplinary Sectors:**

- ICAR/09
- ICAR/12
- ICAR/13
- ICAR/17
- ICAR/18
- ICAR/19
- ICAR/20
- ICAR/22

**Keywords:**

- Juan Caramuel
- Residential buildings
- Greenaway
- Heritage
- Mediterranean Area
- UNESCO
- Urban regeneration
- Regional identities
- Social housing
- Thermal baths

**ERC Categories:**

- SH5\_6 History of art and architecture, arts-based research
- SH5\_7 Museum, exhibitions, conservation and restoration
- SH5\_8 Cultural studies, cultural identities and memories, cultural heritage
- SH6\_8 Modern and contemporary history
- SH1\_10 Management; strategy; organisational behaviour

- SH2\_6 Sustainability sciences, environment and resources
- SH2\_9 Urban, regional and rural studies
- SH2\_12 GIS, spatial analysis; big data in political, geographical and legal studies
- SH3\_12 Communication and information, networks, media
- PE8\_3 Civil engineering, architecture, offshore construction, lightweight construction, geotechnics
- PE8\_11 Sustainable design (for recycling, for environment, eco-design)
- SH3\_7 Social policies, welfare