

Research Group

SUSTAINABLE AND RESILIENT CITIES AND HUMAN SETTLEMENTS - SU.RE

Reference year:

2024

Scientific Coordinator:

GALDERISI ADRIANA / Full Professor / Department of Architecture and Industrial Design (DADI) / Università degli Studi della Campania “Luigi Vanvitelli”

Group members:

- Marco CALABRÒ / Full Professor / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Armando CARTENÌ / Full Professor / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Francesca CASTANÒ / Full Professor / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Claudia DE BIASE / Associate Professor / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Rossella FRANCHINO / Associate Professor / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Fabiana FORTE / Associate Professor / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Caterina FRETTOLOSO / Associate Professor / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Giuseppe GUIDA / Researcher (fixed time) / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Chiara INGROSSO / Associate Professor / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Anton Giulio PIETROSANTI / Researcher (fixed time) / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
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- Marco Francesco ERRICO / PhD Student / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Luciano LAUDA / PhD Student / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
- Anna NAPOLITANO / PhD Student / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
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- Chiara PISANO / PhD Student / DADI / Università degli Studi della Campania “Luigi Vanvitelli”
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- Salima Zerari / PhD Student / DADI / Università degli Studi della Campania “Luigi Vanvitelli”

Description of research lines:

Based on multidisciplinary and multiscale approaches and by using tools proper to planning and designing space at different scales, the research group addresses some issues related to Goal 11 of the 2030 Agenda for Sustainable Development: Making cities and human settlements inclusive, safe, long-lasting and sustainable. In particular, the activities of the group, despite having a substantial unity of objectives, develop along two research lines:

Regenerative and Inclusive Cities

This research line investigates, from a theoretical and a methodological point of view and through test cases carried out on specific territorial areas, the topic of transition from sustainability, mostly addressed to reducing/eliminating the impacts of human activities on natural resources, to regenerative approaches, which devote attention to the circularity of processes and aim at improving/replacing the natural and social capital currently available, through the activation of new life cycles in “waste territories and/or products”, characterized by abandonment and degradation, which represent nowadays one of the main by-products of current urbanization patterns.

Particular attention is devoted to dismissed industrial heritage, coping with knowledge and reuse of this heritage as an experience of learning, democratic participation and permanent construction of community values. Furthermore, the issue of social equity and inclusion in urban regeneration processes is investigated, by exploring tools and planning methods useful for rebalancing territorial functions and overcoming social disparities, also according to European directives.

Within the research topics on urban regeneration issues, a central role is covered by the mobility of people and goods, with particular attention to techniques and tools for sustainable transport planning.

Finally, research activities focus on both *nature-based solutions* - solutions inspired and supported by nature, characterized by low costs, able to encourage the regeneration of urban and peri-urban areas affected by processes of degradation of environmental matrices and to provide environmental, social and economic benefits - and *new governance processes* capable of overcoming the traditional approach to urban planning (top-down or based on ex post consultation) and to promote participatory-based practices mostly based on co-design methods.

Resilient Cities and Human Settlements

This research line explores, according to methodological and operational perspectives, the resilience of urban and territorial systems to the multiple hazards and stressors that they are exposed to - from the most investigated ones (e.g., seismic, volcanic, hydrogeological hazards) to the emerging ones (climate change impacts, environmental degradation, impacts of migratory flows). Research activities focus both on new methods, techniques and tools for risk knowledge and for a more effective integration of such knowledge in spatial and land use planning processes, both on the identification of planning strategies able to enhance risk reduction, also through a more effective contrast to the phenomena of illegal settlements, particularly widespread in the Campania region.

Within this research line, particular attention is devoted to strategies aimed at increasing the resilience of small towns located in inner peripheries, affected by phenomena of growing socio-economic marginalization and by high-risk features which, very often, favor the depopulation processes. The topic of inner peripheries is addressed through multidisciplinary approaches and research activities aim at defining integrated policies, capable of combining risk reduction, socio-economic development and regeneration of urban fabrics and natural systems, improvement of accessibility, and rebalancing the relationships between inner and urban areas, reversing current depopulation trends.

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

SIDE -Sustainable Design for Made in Italy – Scientific Responsible Patrizia Ranzo

Theories and Practices of Architecture in the Contemporary World - Scientific Responsible Paolo Giordano

Participation in research projects during the last three years:

Project title: Reloading city: a new systemic approach to urban and territorial regeneration

Scientific Local Responsible: Marco Calabrò

Call title: Prin 2022

Description of research activities: The research activities will focus on urban regeneration, as a development strategy for the country and as a tool for recovery from the post-pandemic crisis. At the center are the economic and social objectives that distinguish regeneration from reuse and urban redevelopment and the potential which, despite its centrality in the recent urban debate, still remains largely unexpressed. The research leverages on three aspects: 1. restoring the centrality of the public actor in the governance of regeneration processes, as a subject capable of conveying planning and directing private initiatives; 2. rethinking regeneration starting from the public city; 3. recover the systemic character of the urban planning project, overcoming the dichotomies between centers and peripheries, with their sectoral and ineffective technical, juridical and regulatory tools.

Involved Staff: Adriana Galderisi; Francesco Costanzo; Mario Sorrentino

Partners: Università degli Studi di Perugia; Università degli Studi di Sassari; Università degli Studi dell'Aquila; Politecnico di Bari.

Submission Date: 30/03/2022

Project Status: **FUNDED (in progress).**

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

Scientific Local Responsible: Claudia de Biase

Call title: Prin 2022

Description of research activities: The project aims to test a research methodology for the regeneration of collective spaces in modern neighborhoods as a crucial resource to face the challenges of living set by the pandemic outbreak. The proposal will contribute to develop a “city of proximity”, by creating the conditions to match the significant supply of collective spaces in modern neighborhoods with the new demand for proximal spaces and services generated by the diffusion of lifestyles and work habits that revolve more intensely around housing environments.

Specifically, the research project will test a multidisciplinary and participative intervention methodology, involving different disciplinary areas (architecture and urban design, city planning, architectural and urban history). They will cooperate with local authorities, owners, citizens' associations, and private subjects interested in the regeneration of collective spaces and services in modern neighborhoods.

Involved Staff: Giuseppe Guida.

Partners: Università di Roma tre, Politecnico di Torino

Submission Date: 31/03/2022

Project Status: **FUNDED (in progress).**

***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 Local Responsible: Fabiana Forte

Call title: Prin 2022

Description of 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 will be able to grow up within a new post-pandemic normality and will make the following expected: i) the growth of flexible, hybrid, and innovative work formulas in terms of places and modes of supply; ii) the digital switchover of many activities that have been so far characterized by a 'material' dimension. This phenomenon significantly affects the territorial governance and requires appropriate methodologies, models and tools in order to be studied; the 'historicist' approach municipalities' planning activities are based on is not deemed to be sufficient to understand the new living needs. Based on the above, the overall purpose of the Project is defining methodologies, tools, and appropriate technologies for the analysis and evaluation of new living needs - especially those related to place - in the time of digital society; such knowledge opens up broad scenarios for virtuous territorial governance, from which urban regeneration can arise: i) facing the flows of housing demand; ii) laying the groundwork for fair housing policies. Thus, the Project is configured as a prodromal study and investigation activity for understanding - among demographic phenomena - housing mobility, which significantly affects urbanization issues and, as a consequence, land use and protection, urban regeneration, protection and enhancement of agricultural activities: all these are of interest to the Italian National Recovery and Resilience Plan.

Involved Staff: Claudia De Biase.

Partners: Università degli Studi di FIRENZE (capofila), Università degli Studi di ROMA "La Sapienza", Università degli Studi della Campania Luigi Vanvitelli

Submission Date: 30/11/2022

Submission Date: 30/03/2022

Project Status: **FUNDED (in progress).**

***Project title:* Campania Architecture 2023_plural territories**

Scientific Local Responsibilities: Ornella Zerlenga, Francesca Castanò, Giuseppe Guida

Call title: Architecture Festival II edition, 2022-2023, financing of projects aimed at supporting contemporary Italian architecture and disseminating its knowledge nationally and internationally - Ministry of Culture

Description of research activities: The project related to the "Campania Architettura 2023_plural territories" Festival, by underlining the plurality and diversity of the regional territory, will firstly start from the knowledge of places and heritage of modern and contemporary architecture, also

through the comparison among the different urban and territorial realities. In imagining the future development of the territories, a role is recognized for architecture which, through processes of active participation of local communities, can return to be a key tool for regeneration and redevelopment of places, trying to answer the questions that cities and territories pose with respect to their future.

Involved Staff: Giuseppe Guida, Francesca Castanò, Ornella Zerlenga, Chiara Ingrosso, Adriana Galderisi, Gianluca Cioffi.

Partners: Regione Campania, DIARC, Fondazione Annali dell'Architettura, ENSA Paris-Malaquais

Submission Date: 13/10/2022.

Project Status: **FUNDED (in progress).**

Project title: **Made in the South. Plans and architecture in “Terra di Lavoro”**

Scientific Responsible: Giuseppe Guida

Call title: Public notice of the Campania Region for the granting of contributions aimed at promoting the quality of architecture.

Description of research activities: The research focuses on the Industrial Development Areas (ASI), with particular reference to that of the province of Caserta, interpreting them as the result of an overall planning approach. In fact, the Master Plan of the ASI of Caserta is an example of the most advanced urban culture of the 60s of the last century, and it was an occasion for the creation of numerous works of modern architecture. In this sense, the research aims to reconstruct their genealogy by considering the individual architectures not as monads, albeit of their quality, but as interconnected architectural and urban facts, the result of a fruitful relationship between the urban plan and the architectural project, and as identity and cultural elements of the entire territory of Terra di Lavoro. The research project, in line with the general objectives of the call, intends to draw attention to the dynamics of territorial transformation connected to industrial planning.

Involved Staff: Giuseppe Guida, Francesca Castanò

Partners: Campania Region

Submission Date: October 2022

Project Status: **FUNDED (in progress).**

Project title: **MAAS4NAPLES**

Local Scientific Responsible: Armando Cartenì

Call title: Public notice for the presentation of intervention proposals under the National Recovery and Resilience Plan - Mission 1 - Component 1 - Axis 1 - Sub-Investment 1.4.6. “Mobility As A Service For Italy – MAAS4ITALY” - funded by the European Union – NextGenerationEU” by the Ministry for Technological Innovation and Digital Transition (MITD) and the Ministry of Sustainable Infrastructure and Mobility (MIMS) in implementation of the PNRR

Description of research activities: The MaaS4Naples research is an experimental project that aims to improve mobility for citizens, improving accessibility to the public and shared transport system. The project aims in developing three specific Apps: MooneyGo (myCicero), Unico myCicero and MaaS4UNI through which users will be able to choose their personal travel option by also purchasing tickets for all the transport modes used.

Involved Staff: Armando Cartenì

Partners: Municipality of Naples and various partners, including the Campania Region, the Ente Autonomo Volturno EAV, the Unicompania Consortium, GE.S.A.C. S.p.A., ANM S.p.A., BE CHARGE srl, Reby Italia srl, M.C. Consulting srl, LIME Technology srl, Helbiz Italy srl, GESCO Cooperative Sociali Consortium, University of Campania "Luigi Vanvitelli", University of Naples

"Federico II" and the University "Suor Orsola Benincasa".

Submission date: January 2022

Project status: **FUNDED (in progress)**.

Project title: Pan-European Networks of Land-Ocean Partnerships for the Nearshore Environment (PENELOPE).

Scientific Responsible (Local): Adriana Galderisi

Call title: HORIZON-CL6-2023-GOVERNANCE-01

Description of research activities: Land-sea interfaces represent challenging functional and complex systems in Europe and globally. The importance of these systems is clearly reflected in the network of EU regulations, strategies and directives. PENELOPE's 25 partners from 10 countries will co-create a system of expertise networks focused on identifying knowledge and observation gaps in the land-sea interface areas. The breakthrough in the governance of observation and in the open sharing of the use of data from environmental observations of the land-sea interface will constitute an important support for the adoption of measures to solve problems, such as mitigation and adaptation to climate change, pollution, loss of biodiversity in land-sea interface areas.

Partners: 25. Among them: Norce Norwegian Research Centre (Project Leader)- Factor Social - Consultoria Em Psico - Sociologia - Politecnico Di Milano - Universidade Do Porto - Universidad De Santiago De Compostela - Universitat Politecnica De Catalunya

Submission Date: 23/03/2023

Project State: **NOT FUNDED**

Project title: Re-creating Public Space for Climate-friendly, Inclusive, and Attractive Neighbourhoods in Southern European Cities (RECLAIM)

Local Scientific Responsible: Adriana Galderisi

Call title: International Driving Urban Transitions Partnership (DUT) Joint Call 2022

Description of research activities: RECLAIM provides methods and tools to guide and support radical urban transitions and tangible solutions for the regeneration of public spaces, through the activation of Urban Living Labs in Southern European cities' neighborhoods (Bacoli, Madrid, Nicosia, Porto, Thessaloniki) aimed at making them climate-friendly, inclusive and attractive.

Involved Staff: Marco Calabrò, Rosanna Veneziano, Giuseppe Guida

Partners: University of Porto – Faculty of Engineering; CITTA – Research Centre for Territory, Transports and Environment; Università della Campania L. Vanvitelli – Dipartimento di Architettura e Disegno Industriale; IUAV University of Venice; Technical University of Madrid/TRANSyT – Transport Research Center; Aristotle University of Thessaloniki; Municipality of Porto; Municipality of Bacoli; Madrid Transport Authority; Municipality of Thessaloniki; Municipality of Nicosia; Urban Gorillas

Submission date: 21/11/2022

Project State: **NOT FUNDED**

Project title: Renewable Energy Communities as an INNOvative model of Social and Energy Transition – (ECO-INNO-SET)

Scientific Responsible: Marco Calabrò

Call title: Prin PNRR 2022

Description of research activities: The project aims to verify the adequacy of actions undertaken and planned with a view to promoting the use of "green energy" through shared energy models, in order to examine: 1) how much the current regulation and legal instruments allow an adequate

development of Renewable Energy Communities, enabling them to contribute to the security of energy supply, the reduction of energy losses, the sustainability of the energy market and, in generally, to the fight against energy poverty ; 2) what further legal instruments – also in the light of existing good practices – could be adopted to make public policies in this sector more effective and consistent with medium and long-term objectives. The ultimate goal is to offer a set of theoretical-practical and regulatory tools, useful to local authorities, citizens and economic operators, to facilitate the implementation of effective models for the establishment and management of EWCs.

Involved Staff: Anton Giulio Pietrosanti; Fortunato Gambardella

Partners: Università degli Studi di Napoli Federico II; Università degli Studi di Messina; Università degli Studi di Foggia.

Submission Date: 28/11/2022

Project Status: **NOT FUNDED**

***Project title:* RE.VI.VE 4.0 - Intersystem models and digital trans-scale meta-design platforms to improve the attractiveness of villages 4.0**

Scientific Local Responsible: Rossella Franchino

Call title: PRIN 2022

Description of research activities: Research activities are oriented towards the use of digital platforms to support the meta-design phase with a trans-scalar approach in order to outline a methodology that can guide the transformation/regeneration processes of small villages in a circular logic.

Involved Staff: Alessandra Avella, Rossella Franchino, Caterina Frettoloso, Nicola Pisacane, Francesca Muzzillo

Partners: Università degli Studi della Campania “Luigi Vanvitelli”, Università degli Studi "G. d'Annunzio" CHIETI-PESCARA

Submission Date: March 2022

Project Status: **NOT FUNDED.**

***Project title:* M.A.RA - Centre and Museum Centre for the Study and Promotion of Rationalist Architecture.**

Scientific Responsible: Francesca Castanò

Call title: Regione Campania, Public notice for the promotion of quality architecture, LR 19/2019 – DD 7/2021.

Abstract: The project aims to draw attention to a work of high-quality value, both in the rural and urban context of Sparanise and in the national architectural catalogue. The specific objective of the proposal is to promote awareness of it, starting precisely from the study of a proposal for compatible reuse.

Partners: Municipality of Sparanise

Project submission: 24/03/2021

Project Status: **FUNDED (Completed in June 2023)**

***Project title:* Ri.P.R.O.Va.Re - Re-inhabiting countries. Operational strategies for the enhancement and resilience of internal areas.**

Scientific Responsible: Adriana Galderisi

Call title: Call for the promotion of research projects to support the implementation of the SNSvS National Strategy for Sustainable Development of the Ministry of the Environment. Intervention Category 2. Research projects on priority themes for the implementation of the National Strategy

for Sustainable Development.

Description of the research activities: The project addresses the issue of prevention and management, according to a long-term vision, of the environmental and anthropic risks of inner areas. It provides methods and tools to support the building up of integrated policies capable of increasing the resilience of inner areas, by combining more effectively the objectives of the National Strategy for Inner Areas (SNAI) and those for Sustainable Development (SNSvS). In particular, through a process of methodological elaboration and on field validation in 2 pilot regions of Southern Italy (Campania and Basilicata), the project aims at developing: criteria and methods for the delimitation of inner areas and the evaluation of current resilience levels; strategies and pilot projects, outlined through co-design processes, capable of combining risk reduction, socio-economic development and regeneration of urban fabrics and natural systems; methodologies for the technical and participatory evaluation of strategies and alternative strategies and actions.

Staff involved: Adriana Galderisi, Claudia de Biase, Giuseppe Guida, Francesca Castanò, Fabiana Forte, Maria Antonietta Sbordone, Luigi Maffei

Partners: Department of Architecture and Industrial Design (DADI) of the University of Campania Luigi Vanvitelli, the Department of Civil Engineering (DICIV) of the University of Salerno and the Department of European and Mediterranean Cultures (DiCEM) of the University of Basilicata.

Submission date: 10/31/2019.

Project status: **FUNDED (Completed in June 2022)**

Scientific products in the last three years:

10 scientific publications in Class A journals and/or indexed in the Scopus/WoS databases:

- [1] CALABRO' M. (2023), Rights of commons in Italy: a different way of owning towards the recognition of an intangible cultural value, in *Rivista di Diritti comparati*, 1/2023, 68-85
- [2] CALABRO' M. (2023), La tutela dell'architettura contemporanea mediante strumenti urbanistici, in *Rivista giuridica dell'edilizia*, 2/2023, 95-112
- [3] CALABRO' M. (2022), Governo del territorio e gestione del fenomeno migratorio: spinte inclusive ed effetti escludenti, in *Riv. giuridica di urbanistica*, 2/2022, 408-441.
- [4] CARTENÌ, A.; DI FRANCESCO, L.; HENKE, I.; MARINO, T.V.; FALANGA, A. (2021); The Role of Public Transport during the Second COVID-19 Wave in Italy. *Sustainability*, 13, 11905.
- [5] CASTANÒ F., The construction of modern factory. The introduction of prefabrication in Terra di Lavoro, in "Vitruvio. International Journal of Architecture Technology and Sustainability, n. 8, Special Issue 2, 2023, pp. 18-33
- [6] DE BIASE C., LOSCO S. (2023). Urban and social renewal in Castel Volturno. *ABITARE LA TERRA*, vol. supplemento al n. 59, p. 18-20, ISSN: 1592-8608
- [7] DE BIASE C., PONTRANDOLFI P., DASTOLI P. S. (2021). Dimensione finanziaria ed impatti locali della programmazione comunitaria e nazionale. Il caso del Matese in Campania. *BDC*, vol 21(2), pp. 253-275. ISSN 2284-4732.
- [8] 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.
- [9] FRANCHINO R., FRETTOLOSO C. (2022). Integrated Green Strategies to Make Cities More Liveable, *Abitare La Terra*, p. 64-67, ISSN: 1592-8608
- [10] GALDERISI A., GAUDIO S., BELLO G. (2022). Le Aree Interne tra Dinamiche di Declino e Potenzialità Emergenti: Criteri e Metodi per Future Politiche di Sviluppo. *Archivio di Studi Urbani e Regionali*, n°133, pp. 5-28. DOI: 10.3280/ASUR2022-133001

- [11] GALDERISI A., BELLO G., LIMONGI G. (2021). Per uno Sviluppo Resiliente dei Territori Interni: uno Strumento Operativo. BDC, vol 21(2), pp. 231-251. ISSN 2284-4732
- [12] GALDERISI A., MENONI S. (2021). Rispondere alle sfide del post-evento: riflessioni e proposte operative. CRIOS 21/2021, pp. 46-57, DOI: 10.3280/CRIOS2021-021005
- [13] GALDERISI A., LIMONGI G., (2021). A Comprehensive Assessment of Exposure and Vulnerabilities in Multi-Hazard Urban Environments: A Key Tool for Risk-Informed Planning Strategies. Sustainability 2021,13,9055. <http://doi.org/10.3390/su13169055>
- [14] GALDERISI A., GUIDA G., LIMONGI G. (2021). Emergency and spatial planning towards cooperative approaches. Tema. Journal of Land Use, Mobility and Environment, 73-92. <https://doi.org/10.6093/1970-9870/7417>
- [15] GASTALDI F., GUIDA G. (2022), "Made in Sud. L'industria tra intervento pubblico e territorio dilapidato", in *Crios*, n. 23, ISSN 2279-8986, ISSNe 2531-601X, pp 42-55, DOI: 10.3280/CRIOS2022-023005
- [16] GUIDA G., BELLO G., VITTIGLIO V. (2021). "Territories in the Middle of the Ford. Mapping and Knowledge for Nature-Based Approach in the South Italy", in *Sustainability* 2021, 13(11), 6351; <https://doi.org/10.3390/su13116351>
- [17] HENKE, I., PAGLIARA, F., CARTENÌ, A., COPPOLA, P. (2023). The impact of COVID-19 pandemic on public transport: a mobility survey in Naples (South of Italy). *The Open Transportation Journal*, 17 (1). DOI: 10.2174/18744478-v17-e230420-2022-47

Additional 10 scientific products:

- [18] DE MARTINO, R., FRANCHINO, R., FRETTOLOSO, C. (2023). A "Stepping Stone" Approach to Exploiting Urban Density. In: Arbizzani, E., et al. *Technological Imagination in the Green and Digital Transition. CONF.ITECH 2022. The Urban Book Series.* Springer, Cham. https://doi.org/10.1007/978-3-031-29515-7_57
- [19] GALDERISI A. (2023) (a cura di). *Riabitare i Paesi. Strategie operative per la valorizzazione e la resilienza delle aree interne*, LetteraVentidue Edizioni.
- [20] ROSSITTI M., FORTE F., TORRIER 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

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

Research Line Regenerative and inclusive cities.

Collaboration agreement between the Department of Architecture and Industrial Design and **SPICI - Society for Innovation, Cooperation and Internationalization**, aimed at designing and developing plans, programs and projects for the urban regeneration of large, medium and small cities, which provide for the redesign of urban and industrial functions, with a view to environmental sustainability and digital transformation; deepen and develop programs, projects and initiatives aimed at enhancing, modernizing and developing the South and the Mediterranean area; collaborate to carry out territorial development activities and promote models of smart cities, smart government, smart communities for the government and the revitalization of the territory, as well as develop territorial strategies and strategic programs and plans. Scientific Responsible: Giuseppe Guida (October 2022 – December 2023).

Collaboration agreement between the Province of Caserta and the Department of Architecture and Industrial Design on 12/19/2022 and with subsequent determination to contract n°52 of 01/12/2023 "Research and analysis of the progress of the Provincial Territorial Coordination Plan (PTCP) 10 years after approval". Scientific Responsible: Claudia de Biase (ongoing).

Collaboration with the international research group **Compostela Group of University** (prof. Maria Teresa Carballeira Rivera) on the topic "The enhancement of intangible cultural assets for the promotion of the territory" (ongoing)

Research Line Cities and resilient human settlements.

Collaboration with the **Municipalities of Guardia Sanframondi, Cerreto Sannita, Cusano Mutri and San Lupo** (inner area Tammaro-Titerno) as part of the PhD scholarship funded on the "Call for the granting of resources intended for financing on an experimental basis by the municipalities present in internal areas, also in associated form, of scholarships for "municipal doctorates" of the Agency for Territorial Cohesion. Scientific Responsible Adriana Galderisi (2022-2025), PhD student Anna Napolitano.

Collaboration Agreement between the Municipality of Valle Agricola and the Department of Architecture and Industrial Design to carry out activities related to the sustainable development of the municipal territory; strategies for the redevelopment of the historic center; redevelopment and refunctionalization of unused or underused buildings; valorization of rural territory and landscape resources; communication strategies and promotion of initiatives; actions involving the local community in decision-making processes; joint participation in research/funding calls. Scientific Responsible: Adriana Galderisi

The Scientific Responsible of the Group is member of the Coordinating Board of the "Resilience and Risks Mitigation Strategies – RRMS" Thematic Group set up within the Association of European Planning Schools (AESOP). In Italy, the establishment of a network of scholars on the issues of prevention, in terms of risk planning, has been launched within the Italian Society of Urbanists.

Some members of the research group actively cooperate with the RESpro - Network of historians for production landscapes - an association of scholars aimed at promoting cultural and scientific activities focused on the history of rural and urban landscapes with a multidisciplinary approach. Other members cooperate, starting from 2020 and with a coordination role, with the Scientific Steering Committee of the National Institute of Architecture - Inarch - Campania section, to oversee and coordinate the organization of cultural and dissemination activities of the Institute.

Finally, the members of the research group have had technical, over the last three years scientific and consultancy collaboration relationships in the field of **sustainable mobility** issues with the Ministry of Transport (MIT), the Lombardy Region; the Tecne S.p.A. - Autostrade per l'Italia Group, and the Cluster Trasporti Italia.

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

Collaboration agreement between the Department of Architecture and Industrial Design and the Consortium Agrorinasce for the appraisal of agricultural lands confiscated from “camorra” and localized in the farm ‘La Balzana’ in S. Maria la Fossa (CE) (Scientific Responsible: Forte F., luglio 2023- ongoing)

ISI Web of Science Subject Categories:

Urban Studies, Regional & Urban Planning, Architecture, Environmental Studies, Law, Transportation

Scientific-Disciplinary Sectors:

- ICAR 20
- ICAR 21
- ICAR 18
- ICAR 12
- ICAR 22
- ICAR 05
- IUS 10

Keywords:

- Urban Regeneration
- Resilience
- Environmental Risks
- Inner Areas
- Social Cohesion
- Social Inclusion
- Industrial Heritage
- Author's Factories
- Peri-Urban Territories
- Sustainable Mobility

ERC Categories:

- SH2_4 Legal studies, constitutions, human rights, comparative law
- SH5_6 History of art and architecture, arts-based research
- SH5_8 Cultural studies, cultural identities and memories, cultural heritage
- SH7_5 Sustainability sciences, environment and resources
- SH7_6 Environmental and climate change, societal impact and policy
- SH7_7 Cities; urban, regional and rural studies
- SH7_8 Land use and planning
- SH7_9 Energy, transportation and mobility
- SH7_10 GIS, spatial analysis; big data in geographical studies
- PE8_11 Environmental engineering, e.g. sustainable design, waste and water treatment, recycling, regeneration or recovery of compounds, carbon capture & storage