

PERSONAL INFORMATION

Consuelo Rosaria Nava



📍 "Mediterranean" University of Reggio Calabria
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Sex F | Date of birth 09/05/1970 | Nationality Italian

SHORT PROFILE

Architect, (1970), PhD, associate professor in Technology of Architecture ssd icar 12. Lecturer in Technological Culture of the Project and Sustainability and Innovation Design, in Product Design, at the Department of Architecture and Territory, Mediterranean University of Reggio Calabria. deputy head of the department and Coordinator of the Master of Degree in Architecture LM 4 c.u.; scientific responsible ABITAlab; scientific consultant for the innovative pmi PMOpenlab srls. She has been teaching and researching since 1998. Senior expert in advanced sustainable design; expert in applied and experimental research with activities on national and international competitive calls; member of the Italian reviewers' roll of the Italian Ministry of Research (MUR REPRISE) for the evaluation of competitive frontier research, experimental development, industrial research for national and international competitions, EU scientific coordinator and group leader of working groups in national and international research activities; experience in assisting organizations, institutions, companies for innovation and development paths and transfer. Expert in project management methods - Agile Method. Member of SITdA_ Italian Society of Architectural Technology - responsible of the local office for the Environmental Design cluster. Member of scientific committees of research organizations and publishing projects. Currently invited member of the scientific committee of ISPRA for the Document of Integrated Assessment of the Urban Environment 2021, section: circular cities. She has carried out research and visiting activities abroad in France, Tunisia, Berlin, Holland, Barcelona.

2022-2023 – in progress

Scientific Manager Masterplan - Sustainable Assessment - Goals Metrocity

Convenzione Attuativa Conto Terzi - Dipartimento Architettura e Territorio-dArTe e Settore 10 "Pianificazione, Valorizzazione del Territorio, Leggi Speciali" - Città Metropolitana di RC (firma: 23/02/2022)

2022-2025 – in progress

PNRR Tech4You - Technologies for climate change adaptation and quality of life improvement

PI Pilot Project 4.7.1 - Open platform "phigital space" (physical and digital) of the type "user profiling" for the advanced and dynamic codesign of interventions on the built and ex novo

Call for tender for the presentation of proposals for the Strengthening of research structures and creation of R&D "innovation ecosystems", set up of "territorial leaders in R&D" — to be funded under the National Recovery and Resilience Plan (NRRP), Mission 4, Component 2 Investment 1.4, funded from the European Union - NextGenerationEU

Cost/year € 1.438,000 – Field: Research and Innovation

2022-2023-2024 in progress

PI for the project research *Advanced Impact Design and Enabling Technologies for the design and activation of "energy communities" with models, devices and prototypes. Living Lab in the internal areas of the Grecanica Area*

PROJECT 3_ ESF_PON 14-20 (Action IV.6 "Research contracts on "green" topics) - Cost/year € 26,366.91 – Field: Research and Innovation

Nov. 2020 -23 in progress

PI for the project research *URGES_Urban Green Shapes*

Funded by ERDF ROP Basilicata 2014-2020 – Co-financed: 300,000 (tot.) /Unirc contribution - dArTe Euro 40,000 - Partnership: Univ. of Basilicata, Department of European Cultures of the Mediterranean (DiCEM) with ALSIA, Universidad de Sevilla, Departamento de Proyectos Arquitectonicos, University of Ljubljana, Faculty of Architecture, Univ. of Studies of Chieti Pescara - Department of Architecture, Mediterranean Univ. of Reggio Calabria, Department of Architecture and Territory - ABITAlab components: G.Mangano (RTdA), S.Cascone (RTdA), PMOpenlab srls - Field: EU Competitive Research Evaluation Committee Horizon 2020

Febr. 2019 – in progress

PI of the project *RC Metro Citizens in Transition*

Agreement with MATTM DG SVI (MiTe), Metropolitan City of Reggio Calabria - Implementation of the National Strategy for Sustainable Development Agenda 2030 for the construction of the Metropolitan Agenda - Financed

178,000 / ABITAlab contribution 100,000.00

- Scientific and technical assistance partnership with ABITAlab (dArTe Unirc) - Activities, dissemination, agenda in progress on online platform www.rcmetrocityzensintransition.com – Field: NATIONAL PROJECT Ministerial/European Funds - strategic area Green/Digital and quality training

Febr. 2019 – in dissemination

Scientific ABITAlab director of the project **Knowledge vs Climate Change. Community in transition for the southern outskirts of Reggio Calabria**

Punto.Sud, Fondazione per il Sud, EU co-funding CSO-LA/2017/388-137: Evaluation Committee - Call Project "B.Circular, Fight ClimateChange".

- Scientific direction and assistance of partners ABITAlab, Pensando Meridiano e Reboot con TU/e University, PMopenlab - Activities, agenda, national and international dissemination and outcomes publications www.knowledgevsclimatechange.com – Field: NATIONAL PROJECT EUROPEAN co-financing

Febr. 2017 – May. 2021
In progress (3rd phase)

Scientific manager for the project **S2_Home: Offshore and offsite housing module**

Experimental and industrial development. ABITAlab - De Masi Industrie Meccaniche Srl - dArTe Agreement Client: De Masi Industrie Meccaniche (G.Tauro)- Team: dArTe Università Mediterranea di Reggio Calabria (II phase) - University of Trento (I phase) - ENEA - PMopenlab srls

- Scientific direction and Project Management - Invitation to exhibit the project at the 17th Venice Biennale, Italian Pavilion, 2021 (www.pmopenlab.com/biennale21) - Accreditations: Industrial validation qualification TRL6 - code 0041 - ref: <http://www.convalideindustriale.it/2019/08/01/modulo-abitativo-offsite-e-offshore-a-doppia-sicurezza-sismica-ed-ambientale/> - Field: THIRD ACADEMIC MISSION FUNDED

17 nov. 2017-17 nov. 2019

Scientific manager of the project **PVCUpcycling – Circular Economy and Zero Waste with the "upcycling" of waste from electrical plant management processes. From "demanufacturing" with the recovery and recycling of PVC from the electrical cables of energy plants to "remanufacturing".**

POR Calabria FESR 14-20 Axis I Innovation and Research Action 1.2.2 - Proponents: R.ed.el Srl, Unical, ENEA, with PMopenlab srls/ABITAlab – Field: EU Competitive Research Evaluation Committee Horizon 2020

- Results: Pre-industrial experimental phase: 3 prototypes in situ on testing areas: Scenario 1. Mixed screed with recycled components + pvc, Scenario 2. Exterior tiles with pvc filler. Scenario 3. Green parking with high resilience (patent pending) - Accreditations: Project Awarded as "best practices" for the spending of EU funds in the SOUTH, Project Report 28-29 June 2019 - project selected as case study of the Atlas on Circular Processes in Europe CRESTING Horizon2020 project - References activities, results, agenda, dissemination of the project on the online platform: www.pvcupcycling.com

EDUCATION AND TRAINING

2001-2003

Doctorate in Architectural Technology XV cycle "Strategies for the control and design of existing buildings"

PhD title

Mediterranea University of Reggio Calabria - Faculty of Architecture of Reggio Calabria - DASTEC

- PhD research (attendance with scholarship)

Other Education and Training experiences can be consulted in the extended version of CV, available at the link https://www.unirc.it/scheda_persona.php?id=779 , section "Education"

WORK ACTIVITIES

Awards

Selection and Invitation with project in exhibition] 17th Venice Biennale, Italian Pavilion curated by A.Melis - *Resilient Communities* - Exhibition in the pavilion of the Project-Research: *S2_Home - Digital/human - Effort in transition* (8-13 June) -

Editorial activity

I've published more than 100 texts including contributions, monographs, scientific articles, proceedings since 1999. reviewer and member of the scientific committee of nr.4 editorial series, reviewer of nr. 2 international journals and director of the SID series, Aracne. Expert reviewer

Patents

MUR REPRIZE and PEER REVIEWER mpdi Journals: Sustainability, Buildings, Atmosphere ITALIAN PATENT - Registered patent no. 102021000008345 - *Resilient envelop_up* (acronym *RE_uP*) - *Adaptive envelope system for buildings in resilient scenarios* - Project/Advanced Design by Consuelo Nava with Andrea Procopio, Raffaele Astorino

ADDITIONAL INFORMATION

Publications updated 1998/2021(**N.170 tot.**)
Ac - proceedings of conferences, seminars (in volume): **no.32**
Ar - internal and external research proceedings, dossiers: **no.19**
C - contribution in volumes (monographs): **no.79**
M - scientific monographs and assimilated products (Mc curatorships): **no 9 + no 8 (Mc)**
R - contributions in journals - R(a) - in class A: **no 26 /no 5 class A)**

ADDITIONAL INFORMATION AT https://www.unirc.it/scheda_persona.php?id=779

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