





MEDITERRANEO Sustainable technological innovation for

Scientific Chief Prof. Marco Sala

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ABITARE MEDITERRANEO is a research project funded by the Tuscany Region, developed in collaboration with the University of Florence and 12 Tuscan companies, to create an open system as a platform of knowledge that promotes the improvement of environmental performance of the building as well as, provides participants with a key competitive tool in the promotion. The goal is to create a Centre of Expertise on sustainable architecture in the Mediterranean area increasing of competitiveness in the building sector by fostering the synergic collaboration between university research and regional enterprises, and by stimulating experimentation and continuous innovation in an OPEN SYSTEM: continuous updating of criteria and procedures in order to re-define a quality-based methodology for integrated conservation of existing buildings; defining new building models able to meet changing customers profiles, rising standards of indoor comfort in hot and cold season and the necessity of a more aware management of the available energy resources.

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Partnership

UNIFI | Department of Architecture DIDA **Regione Toscana** Davini Prefabbricati S.r.l. Lucense Manifattura Maiano S.p.A. l+ S.r. I. Progenia Targetti Solava Palagio Engineering Mannelli S.p.A. Unibloc Ciabatti Legnami Consorzio Etruria



Mediterranean Approach: 5 ideas to share

- Architecture and Climate condition The Mediterranean climatic condition requires building appropriate solutions: the problem of energy consumption for summer comfort can not be solved by following the logical construction of Northern Europe. To reduce energy cost, it is necessary to define innovative strategies in the building, which is strongly related to climatic and cultural characteristics.
- Inclusiveness and Change | The fast and dynamic evolution of social and demographic structure of the population of the Mediterranean area suggests a change, that determines the need for new models of urban spaces and residential use, with typological and technological innovations to support new social and intercultural issues.
- Identity and Competitiveness | The Mediterranean ecosystems and environmental assets are based on the knowledge of the art of living, the management of the landscape, the ability to stimulate cooperation on issues of sustainable development, for development of regional identity. And 'on architectural elements and cultural climate in which the distinctive scientific subjects, companies and governments should aim to boost competitiveness at international level.
- Urban Transformation and Environmental Quality | Forced transition to a sustainable city of strategic importance to revitalize the area. To manage the population growth in the Mediterranean, the resulting increase in energy consumption and increased demand for comfort, it is necessary for the construction marketprovides appropriate solutions to new social needs and more environmentally friendly technologies.
- Innovation and Tradition | The Mediterranean architectural traditions of the past, full of potential and interesting cultural influences, represent an important heritage of civilization and it is from these

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that we must be inspired to develop new building components, high energy performance. There is the need to recover and innovate traditional design principles and increase the level of environmental and architectural quality of the interventions of building retrofitting and new construction .



PUBLICATIONS

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MEDITERRANEAN SMART CITIES nza nella gestione dei processi di trasformazione urbana

"Pensare mediterraneo" di Marco Sala Presentazione di Maurizio Carta Prefazione di Riccardo Basosi Contributi di Consuelo Nava, Antonella Violano, Valentina Dessi, Lucia Ceccherini Nelli, Claudio Saragosa

Altrainea



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