

Events

2030 AD. Future Projections for Sustainable Design

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The International Conference *2030 AD. Future projections for sustainable design*, which was held in Messina from 17 to 19 November 2022, obviously draws its reference from the ONU Agenda which, to the 17 objectives that embrace fundamental issues for sustainable development such as ending poverty, combating inequality and tackling climate change, adds a fourth theme concerning Living, as an articulated concept that underlies and interprets each attempt to act on any declination of sustainable development. The Conference is set in a precise historical moment in our country in which, as Raffaella Lione, promoter and soul of the conference, states in the introduction to the volume of the Proceedings, "attention to sustainability, a transversal, interdisciplinary and intersectoral theme, can no longer be limited to being merely a dutiful act of responsibility and commitment, often insufficient or, worse still, merely strategic, but must become the motive for pragmatic actions aimed at obtaining concrete results" [1]. This awareness led to the setting up of the conference, in which the theme of Living was interpreted on apparently different registers, but in reality appropriately reconcilable, given that the leitmotif that animated the speeches over the two days of work was always the relationship that links the fate of our planet with our needs and, conse-

quently, the actions to be implemented to preserve it for as long as possible.

Just reading the title alone lets you understand the dynamism of the contents: the term project, for those who understand drawing, implicitly implies a concept of movement, transformation and therefore a look towards the future, since every intervention that generates a change in a territory, in a building etc., inevitably determines an image that is different from the previous one that will characterize it from that moment on until the next change.

The topics identified by the coordinating committee, Raffaella Lione, Ornella Fiandaca, Fabio Minutoli and Alessandra Cernaro, made it abundantly clear that they wished to extend participation in this conference, which in fact originated within Ar.Tec. (Scientific Society of Technical Architecture), with the clear objective of gathering more points of view on a topic around which the scientific community has been debating for several decades. Scrolling through the topic titles, we understand how the theme of Living requires constant design research determined by its being in the process of becoming, that makes any analysis or theorization in progress outdated by the continuous change of scenarios.

The first topic, *Sustainable Communities: building, neighbourhood, territory*, proposes

a reflection on the processes, methods and tools required for a design in which eco-sustainability is combined with the health of the inhabitants, social equity, and the quality of the built environment.

In the second, *Cultural Heritage: history, representation and design*, the theme of knowledge of the existing heritage is combined with aspects related to its conservation, which can no longer be separated from innovative approaches and digital technologies that also become a fundamental prerequisite for survey and representation.

In the third, *"Circular" technological innovation: process, project, resources*, the relationship between circular economy and technological innovation is analyzed, opening up topics such as the management of construction or demolition waste, the challenge of innovative materials and quality certifications.

In the fourth, *Health, well-being, safety: old and new models of living*, the theme of living is rethink within a new cultural, design and production condition as a goal to be pursued by looking at new contemporary challenges, re-examining consolidated typological models and experimenting with innovative distributive-functional and techno-typological solutions.

In the fifth, *Optimising the performance qualities of buildings: simulation and construction*, the performance quality of both

new buildings and the existing building stock is looked at in relation to new comfort requirements.

In the sixth, *The digitalisation of the building process*, the phenomenon of the digital transition that has also affected the construction sector and that, in light of new platforms, such as GIS and BIM, and Augmented Reality and Virtual Reality systems, has undergone a deep revision aimed at automating processes.

The conference took place over two days in the Aula Magna of the Rectorate and the Department of Engineering. It was opened by the Magnificent Rector of the University of Messina, Salvatore Cuzocrea, followed by the Director of the Department of Engineering Eugenio Guglielmino. This was followed by the greeting of Ar.Tec. President Fabio Fatiguso and the introductory talk entitled *Architecture versus Architecture* given by Luis Manuel Palmero Iglesias of the Polytechnic University of Valencia. Each topic session was preceded by 'introductory reflections' given by speakers representing the various disciplinary fields involved: for the first topic Santi Maria Cascone and Riccardo Gulli, for the second Francesca Fatta and Marina Fumo, for the third Rossella Corrao and Marco D'Orazio, for the fourth Domizia Mandolesi and Michelangelo Savino, for the fifth Rossano Albatici and Luigi Calabrese, and for the sixth Renata Morbiducci and Massimo Villari. Over the two days, 37 lectures and five reports were delivered in a single session.

A total of 104 papers were received, demonstrating the international scientific community's interest in sustainable living issues despite the diversity of approach methodologies, which is the feature that distinguishes and enriches multidisciplinary conferences.

An important opportunity for comparison, also patronized by the UID, between different disciplinary sectors in which there was no lack of contributions from ICAR/17 colleagues to emphasize the transversality of Drawing with respect to the proposed themes both in the application of the most innovative technologies in the field of relief and representation and in its more 'artisan' expressions: Sereno Innocenti's fascinating performance, who, in attendance, re-drew, as if for a sort of graphic restoration, the wash-houses of Santa Brigida in Genoa, comparing this experience with the perennial reconstruction of the Temple of the Treasure of Ise in Tokyo. A festive occasion to say goodbye and thank Raffaella Lione who, with this last act, wished to celebrate the conclusion of her university career by giving the scientific community a further opportunity for dialogue and exchange of experiences; an appointment full of stimuli and challenges for the continuation of a research in continuous evolution and whose results will certainly animate the next conferences on the themes of the sustainability of living.

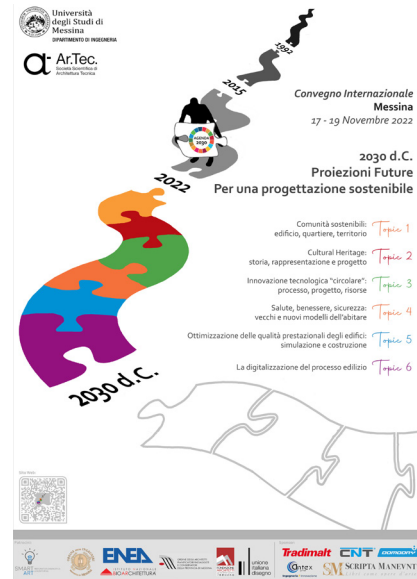


Fig. 1. Flyer of the event.

On the concluding day, the conference participants had the opportunity to visit the Horcynus Orca Park, set in the splendid setting of Capo Peloro and, within it, the MACHO Museum (Horcynus Orca Museum of Contemporary Art); the final stop, which marked the end of the work, was at the MuMe (Messina Regional Interdisciplinary Museum) where colleagues were able to admire in detail, among other works, paintings by Antonello da Messina and Caravaggio.

Notes

[1] Lione, R. (2022). Introduzione. In A. Cernaro, O. Fiandaca, R. Lione, F. Minutoli (a cura di).

2030 d.C. Proiezioni future per una progettazione sostenibile. Atti del Convegno internazionale.

Messina, 17-19 novembre 2022. Roma: Gangemi, p. 11.

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