

HOUSING RENOVATION

Starting from a survey of the international panorama of the last decades, that witnessed the various "building cycles" undergone by the housing topic - from the phase of large urban expansion districts, *new towns* and *grand ensembles*, to recovery and urban redevelopment, up to the most recent experimentations of eco-districts and *carbon zero communities* - the Call n. 24 addresses the issue of housing framed inside the redevelopment processes of the public and private built environment.

In light of the evolutionary housing demand trends and the new requirements intrinsically connected to the international scenario of the *green* transition (environmental sustainability, health/ well-being, physical and economic accessibility, safety, inclusion, lifestyles, etc.), the topic of the call is developed according to the relational specificities that bind the housing to the context, from the scale of environmental units and accommodation, to the building, up to the settlement systems, as evidenced by the experiences of several European cities - Paris, Lyon, Vienna, Berlin, Madrid, Zaragoza, etc. - that placed these issues at the core of every urban renewal action.

Compared to this multiscalarity, the current condition of the existing housing stock is inadequate due to the significant environmental, technological, functional and spatial deficits that characterize residential buildings, even more in view of the great challenges of the *Green Deal* and the post-Covid economic recovery objectives (from the sustainable and circular use of resources to the redevelopment of the urban *habitat*; from new housing *standards* to social inclusion aspects).

In the Italian context, an involution of residence policies is currently present, due to the lack of a strategic programmatic vision, to the chronic shortage of funding and discontinuity of investments, to the obsolescence of regulatory frameworks and the inadequacy of technical support tools and structures.

Today, the topic of the housing refers to the dimension of new uses, to more articulated endowments of spaces, equipment and services, as well as to the principles of functional *mixité*, self-sufficiency, inclusion and sharing, in the perspective of *deep renovation* and adaptation aimed at a different declination of the relationship between the residential function and its context, in an ecosystemic perspective, hence with possible enlargement, densification, rarefaction and building replacement interventions.

Therefore, TECHNE n. 24 intends to collect contributions of critical reflection and documented results of researches and experimentations on the redevelopment of existing assets for housing purposes topic with reference to the aspects of process, project and product innovation, identified by the below-indicated topics.

1. New housing policies

Even after the economic crisis of the 2000s, the housing and inhabiting - albeit at the center of the debate - continue to occupy a limited space in programmatic and technical policies, with ineffective conventional institutional approaches, in discontinuity - if not retreating - with respect to the experience gained in the more than ten-year phase of post-war reconstruction.

Therefore, a realignment according to some priority areas of action is urgently needed:

1.a) New models and tools for planning and implementing building processes aimed at satisfying the housing demand, in relation to the actors, resources, objectives and needs of the territories.

1.b) The role of the production in relation to the recovery of the construction sector in the new building cycle, with reference to circular economy topics and regenerative processes of the housing/environment interaction.

1.c) Innovative management and financing models (advanced processes and methods of management and regeneration, fiscal *welfare* and *eco-bonus*, *social investment*, house as a service, subsidiarity and sustainable management of *adequate housing*, collaborative/community *housing*, etc.).

2. Innovating the housing

The spatial, functional, organizational, technological and environmental aspects of the housing and its context - in the inter-scalar relationship between housing, building and settlement, also from a regulatory point of view - play a fundamental role in responding to the new social demand articulation, both increasing the offer and renewing the existing according to *green* transition strategies.

These issues are developed, with the appropriate specificities, in relation to the following contexts of intervention (both public and private):

2.a) Re-inhabiting the existing built environment in the historic urban areas and in minor centers and redeveloping the residential neighborhoods that are an expression of the Italian culture of the project, characterized by identity and authorship features, as well as by qualified technological and environmental components.

2.b) Convert to residential use those buildings born for non-residential uses (industrial, tertiary, commercial, confiscated assets, etc.) that are currently in a state of decay/abandonment.

2.c) Regenerate residential or mixed buildings in areas of peri-urban *sprawl* or characterized by "peripheralization" and "informality" phenomena.

**PUBLICATION
DATE
TECHNE | 24
OCTOBER 31TH, 2022**

Authors are invited to send an abstract of **4.000 characters**, spaces included, in Italian - or English, in case of foreign author - which must include the main contents envisaged by the article to be proposed. **Each author can submit only one abstract** (individually or within a group of authors). The abstract

must be written in a concise and clear manner, making an effective response to the CALL theme and following the track of the following points:

- object of the proposal and aim of the article;
- approach and/or methodology.

The authors are required to specify whether the contribution is intended for the "Research and Experimentation", "Essays and Points of View" or "Advanced Search (Under35)" section and to indicate the relevant topic.

Abstracts without indication of the type of contribution and topic will be taken into consideration.

In particular, the article "Research and Experimentation" and "Advanced Research (Under 35)" will have to highlight:

- approach and / or methodology;
- results: analytical, propositional and debate aspects;
- originality: explaining what is expressed again and for whom;
- limits of research and significant developments;
- cultural, practical and / or socio-economic implications (when present);
- reference research / research, relevance of the topic, subjects involved, possible financing.

In the case of an article for the "Essays and Points of View" section, attention should be paid to:

- cultural and scientific background related to the subject matter;
- analytical aspects, critical framework or debate on the topic;
- approach and / or methodology..

For both sections, the abstract has to be introduced by specific keywords, reflecting the essential elements of the paper (max 5).

Non-compliance with the indications will constitute a reason for exclusion. The abstract has to be sent to redazionetechne@sitda.net by **December, 10th 2021, using the sheets attached to this call.**

The authors of the accepted abstract will receive information by the Editorial Team starting from **January, 17th 2022**. Once the abstract has been accepted, the authors are invited to submit the paper by **March, 6th 2022**. The received abstracts will be submitted, anonymously and purified of the elements of possible identification, carried out by the Board selection.

The paper has to respect the limit of max:

18.000 ÷ 20.000 (characters, spaces included) in the case of single author;
24.000 ÷ 25.000 (characters, spaces included) in the case of multiple authors;
including notes, images/ ables (max 8), captions and bibliography.

Authors of accepted contributions, reviewed by double blind peer review

by referees, will receive the results by **April, 20th 2022** and the final draft of the article, eventually integrated on the basis of the referees' observations, must be delivered by **May, 27th 2022**. The articles must be written entirely in Italian and translated into English (including image captions and the texts of tables). As concerns the English translation of the selected contributions, along with the final paper, authors will be asked to send a form, with the references of the author of the translation, in order to certify its conformity. The texts, bibliographical references, images and notes must comply with the "Regulations for Authors", shown on the magazine's website at the address: <http://www.fupress.net/index.php/techne/information/authors>. **Failure to comply with these rules may determine the non-acceptance of the paper.**

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ABSTRACT: Research and Experimentation - Advanced Research (Under 35)

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