

TECHNE - Journal of Technology for Architecture and Environment
Call for paper TECHNE n. 10

Theme: **urban regeneration vs. land degradation and soil loss**

TECHNE-10 aims to collect of cognitive, design, research and experimentation contributions about urban regeneration intended as a strategy for the redevelopment and the enhancement of urban places and contexts characterized by neglecting phenomena and, therefore, by the loss of attractiveness and a weakened socio-economic value. Strategies and regeneration practices, which are confined within a new vision of the urban development according to the needs of sustainability and reduced consumption of land and resources.

Despite the topic of renovation and urban regeneration has long been the clue of the debates of the last decades, the reality of the transformation processes confirms the presence of extensive territorial development models, bringing uncontrolled soil loss phenomena within agricultural realities, often not integrated with the new settlements.

Therefore, it causes the consequent loss of attractiveness of the cities, the weakening of local identities, the production of spaces, characterizes by functional and spatial configuration with very low cultural and estate value.

In Italy, as in the european and global scenario, the discipline of Architecture deals with the need to face urban decay in terms of quality and livability, by researching methodological and technological approaches oriented to the renewal and, particularly in Italy, to the requalification and revitalization of the consolidated urban centres: interdisciplinary approaches able to combine critical thought, analysis, research and design, considering urban regeneration and development as a complex system of social, environmental, technological values.

A sustainable urban regeneration necessarily includes multidisciplinary and multilayered aspects:

- to renovate and enhance public space and collective services, both to give back environmental and landscape quality to peripheral neglected areas and neighborhoods, both to protect and revitalize historical city centres;
- to reuse and refurbishment of abandoned productive spaces and settlement systems, which need to be renovated even from an environmental point of view;
- to promote a new kind of urban quality, linked to the new ways of using the cities and living the houses, responding to contemporary needs (functional *mixité*);
- to upgrade the environmental quality by researching and designing urban micro-climates, considering questions connected to the energy demand for air conditioning;
- to renovate the relationship within the infrastructures and the urban space, also with interventions to support sustainable mobility, intermodal systems, ITC, and including innovative strategies to manage flows of resources;
- to support social cohesion through policies and regeneration interventions defined by inclusive and participatory decision-making processes;
- to promote integration policies between cities and territories, facing the new relations between the city and the countryside, from the small village to the metropolitan reality, aiming to a long-term and long-lasting valorization of the place and its resources;

- to promote and research new processes, which consider environmental critical aspects linked to the urban regeneration, such as demolition and construction issues, production and recycle of waste coming from building processes, and policies to support zero-soil loss interventions.

The main goal is the to select research products and essays, testifying a correct application of policies and interventions of urban regeneration within the national and international context, even referred to regulatory systems, guidelines and international protocols.

Papers will have to be referred to one of the sections of the Journal: 'Essays and Points of View'; 'Research&Experimentation'. *Techne* Volume 10 is scheduled to be published on **October, 30th 2015**.

Authors are invited to submit an abstract of 3500 characters, in italian or - in case of foreign author/s - in english language. The abstract has to contain all the main topics of the paper and it needs to be brief and clear, according to the following points:

- topic of the proposed paper and goals of the research;
- approach and methodology;
- results: analysis, discussion and results;
- originality: explain what are the new aspects expressed by the paper and whom it is addressed to;
- limits of the research and meaningful developments;
- practical and/or social involvements (if existing).

The abstract has to be introduced by some specific key words, which can reflect the essence of the paper. Please submit the abstract by sending an e-mail to redazionetechne@sitda.net not later than **July, 10th 2015**. The Secretariat will contact the authors of the abstract by **July, 20th 2015**.

Once the abstract is accepted, the authors are invited to send the definitive article - of 20000 characters - back to the Secretariat (redazionetechne@sitda.net) not later than **August, 30th 2015**. The authors, whose articles have been approved by the referee, will be contacted again by the Secretariat by **September, 21st 2015**.

The final version of the article, integrated - when needed - with referees' suggestions, has to be sent to redazionetechne@sitda.net not later than **September, 28th 2015**.

Together with the submission, a deposit of €150 is asked as publishing contribution. Eventually, the articles will have to be fully written in italian AND English language, including captions and tables' texts.

Texts, bibliographical references, images and notes have to stick to the editorial rules contained in the Instructions for the Authors, available at:

<http://www.fupress.net/index.php/techne/information/authors> .

The acceptance and review procedures are available at:

<http://www.fupress.net/index.php/techne/about/editorialPolicies>.

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