

RESEARCH THEME

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Title of the doctoral research Sensitive and cyborg landscapes.
A new Taxonomy for Spatial Design, in-between Nature and Artifice, towards a new vision of Ecology.

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Abstract

The balance or imbalance between Nature and Artifice, between Biological and Technological, becomes an interpretative key to identify the prefigurative actions of the Space project, for a sustainable and ethical vision.

Furthermore, the condition of the continuous need for transformation and adaptation of contemporary living and environmental systems arises as a central question of the next future.

Sensitive and Cyborg Landscapes deal with these conditions of metamorphosis. As dynamic, and less precisely defined physical territories, they respond to existing but invisible energy fields, such as weather patterns, toxic threats, new geography, evolving political boundaries and new relational dimensions between physical and virtual. These elusive "territories" have mobile and independent conditions, transcending environmental boundaries and providing various opportunities for spatial design speculation.

This conceptual framework investigates a typology of environments that embraces the notions of change, adaptation and feedback, developing a hybrid infrastructure of human and non-human systems towards a cyborg dimension. They work implementing the sensitive conditions, from human senses and perceptions (as sounds, lights, haptic, ...) to augmented. Their ability to be agile in supporting complex systems of relationships builds a coherent research framework to approach a new balanced relationship between the landscape and the dichotomous processes of the machine, building spatial solutions capable of supporting them.

The research would like to define a new (open) Taxonomy for Spatial Design actions, capable of including Sustainable processes for Ecological goals by also adopting Cyborg conditions.

Keywords Sensitive-Cyborg landscape, Spatial Design, Taxonomy-Ecology