



**Politecnico  
di Torino**

# **Honors Thesis**

**Master's degree Science in Sustainable Architecture**

**Abstract**

**Cascina Falchera Ecosystem.  
Ecological transition to a real case study.**

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In the contemporary city, the ecological transition represents a fundamental challenge for the future of our communities.

European directives provide a framework to guide necessary transformations, but it is in their local implementation that the goals of sustainability and inclusiveness are truly realized.

This thesis fits into this context, proposing a design experiment on a specific case: Cascina Falchera.

This property, located in the peri-urban area of Turin, is a public asset under social management with Kairòs social cooperative.

The aim is to transform it into a center of social and environmental innovation, primarily through projects funded by the European Union.

For these reasons, Cascina Falchera becomes of significant community importance and offers the opportunity to explore new ways of urban intervention.

The objective of this thesis is to develop an operational project for the managers of Cascina Falchera, integrating a design solution with an instructional document that can be used independently.

The methodological approach adopted is inductive, as the design of solutions emerges from the processes through which transformations occur.

This implies an in-depth consideration of the 'ecosystem' of social relations between the various entities involved. Cascina Falchera is thus analyzed not only as a physical entity but also as a central node in a network of social, economic, and environmental interactions.

The inductive method makes it possible to identify context-specific dynamics and to develop solutions tuned with local needs and potential.

The result is a project that does not simply intervene on a single asset, but aims to create an operational model of sustainable urban regeneration, applicable to other similar realities.



*Figura 1 Cascina Falchera greenhouses. Photo taken by the author*



Figura 2 The abacus of operational solutions. Graphic representation by the author





Figura 3 Project proposal: assembly 1. Graphic representation elaborated by the author

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