

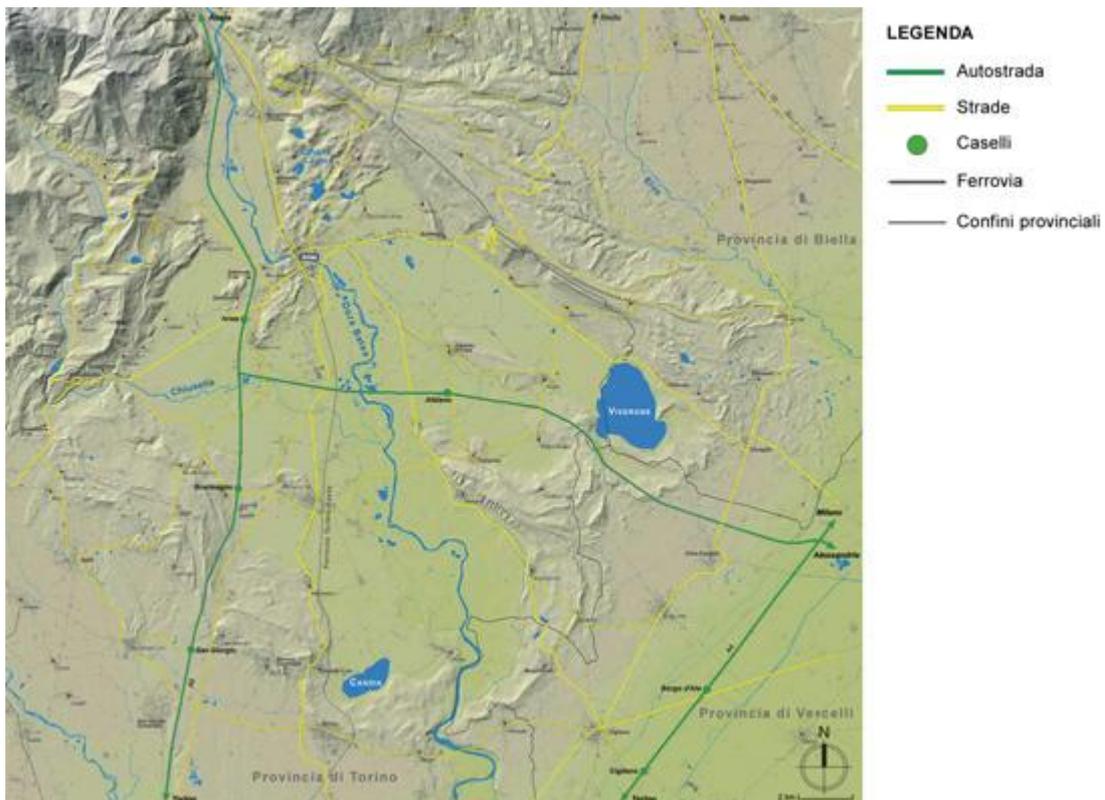
POLITECNICO DI TORINO
SECOND SCHOOL OF ARCHITECTURE
Master of Science in Territorial, Urban, Environmental and Landscape
Planning
Honors theses

The local ecological network in the Morainic Amphitheatre of Ivrea. Studies and project proposals

by Silvio Carlucci

Tutor: Angioletta Voghera

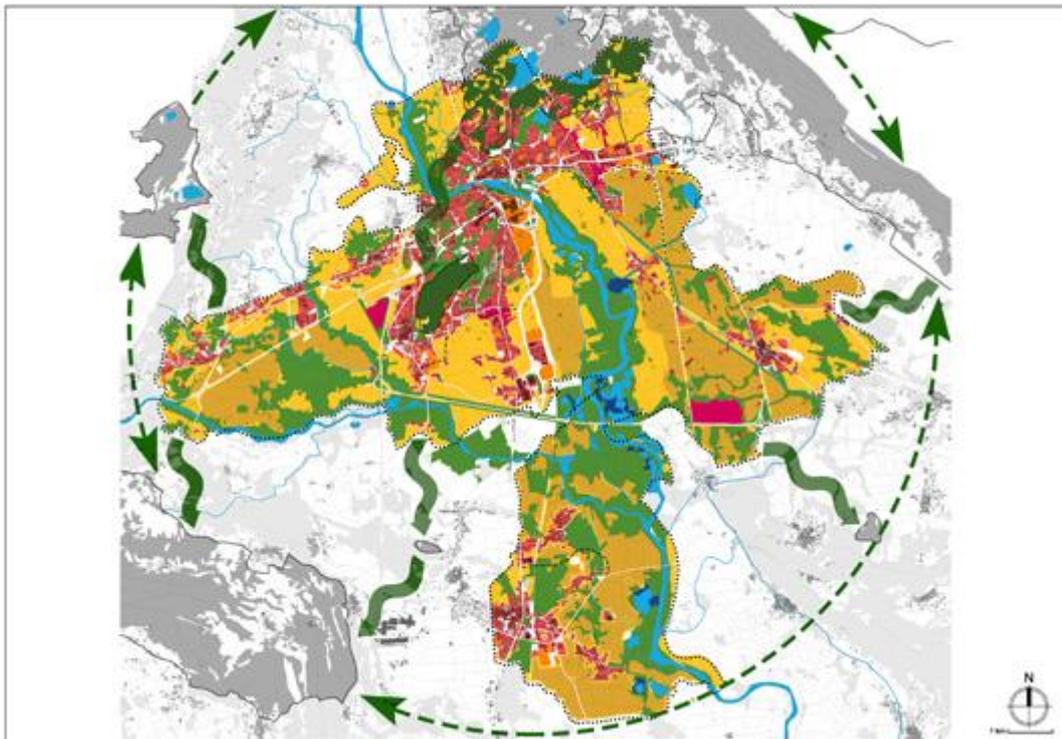
The argument of this thesis are the ecological networks, one of the most interesting and promising paradigm regarding environmental conservation. This work provides an extended overview on this theme, with reference to main problems that could be encountered in this field, then later set up, through an application case, a methodology of analysis and intervention for planning ecological networks, in particular focusing on local level, where today there are the major setbacks and difficulties. The method and the guidance provided are intended to enrich the current debate and the proposals that aim to make the operational definition of this tool more efficient and effective.



Territorial framework of the Morainic Amphitheatre of Ivrea

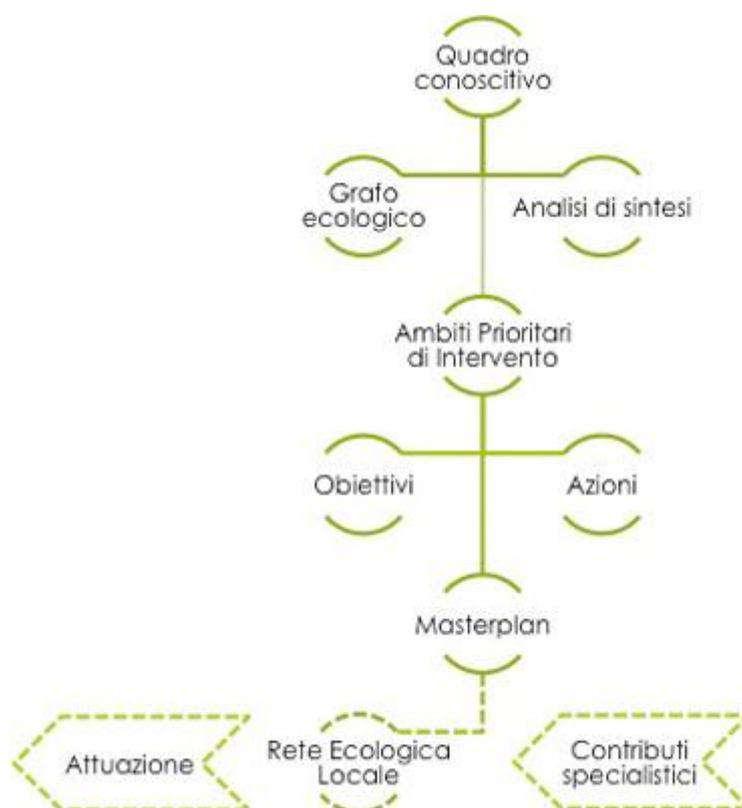
After a first overview on the basic concepts, principles, theories, political-legislative and planning framework, we focused on a case study: the Morainic Amphitheatre of Ivrea (AMI), an area of particular environmental and landscape interest composed of 71 municipalities belonging to the provinces of Turin, Biella and Vercelli.

Starting from a series of analysis, we formalized some project proposals regarding the construction of a Local Ecological Network (LEN), defining a territorial configuration (Masterplan) for a sub-area of intervention, taken as example of development.



Functional scheme of the Priority Intervention Area API A.1 of the Morainic Amphitheatre of Ivrea composed of the municipalities of Ivrea, Cascinette di Ivrea, Albiano di Ivrea, Strambino, Pavone Canavese, Parella, Collettero Giacosa, Samone and Banchette

The methodological approach was based on criteria as much objective as possible, through comparative readings of plans, data and analytical tools (eg. the ecological graph) that helped to identify the main problems and priorities of the area and optimize the definition of strategies of intervention.



Methodological scheme

Also we tried to provide a "methodology of intervention" replicable elsewhere and at the same time that can be implemented, for all who work in the field of spatial planning (decision makers and public administrators, technicians, etc.), providing stimulus and incentive to use approaches and practices that for various reasons require to be updated, a refinement or integration of environmental and ecological aspects.

Generally regarding the ecological networks many difficulties come up related to the complexity and integration that these require both analytical and operative level, as for example the various specializations and subjects that you must melt and connect in the path that goes from their planning to the execution.

For the Morainic Amphitheatre of Ivrea come to light instead good potential for development in terms of environmental and landscape quality but many difficulties resulting from the considerable administrative fragmentation, incompatible with environmental needs, and a unpreparedness of the local level to transpose a project of ecological network, because of plans not suitable or lack of interest for the theme. The definition and application of ecological network model necessity of a maturation process which is currently still in progress, but there are good intentions for future development to direct settlement dynamics towards practices increasingly virtuous and environmentally sustainable.

For further information, e-mail:
Silvio Carlucci: scarlucci@hotmail.it