

POLITECNICO DI TORINO
Master of Science in Sustainable Architecture
Honors theses

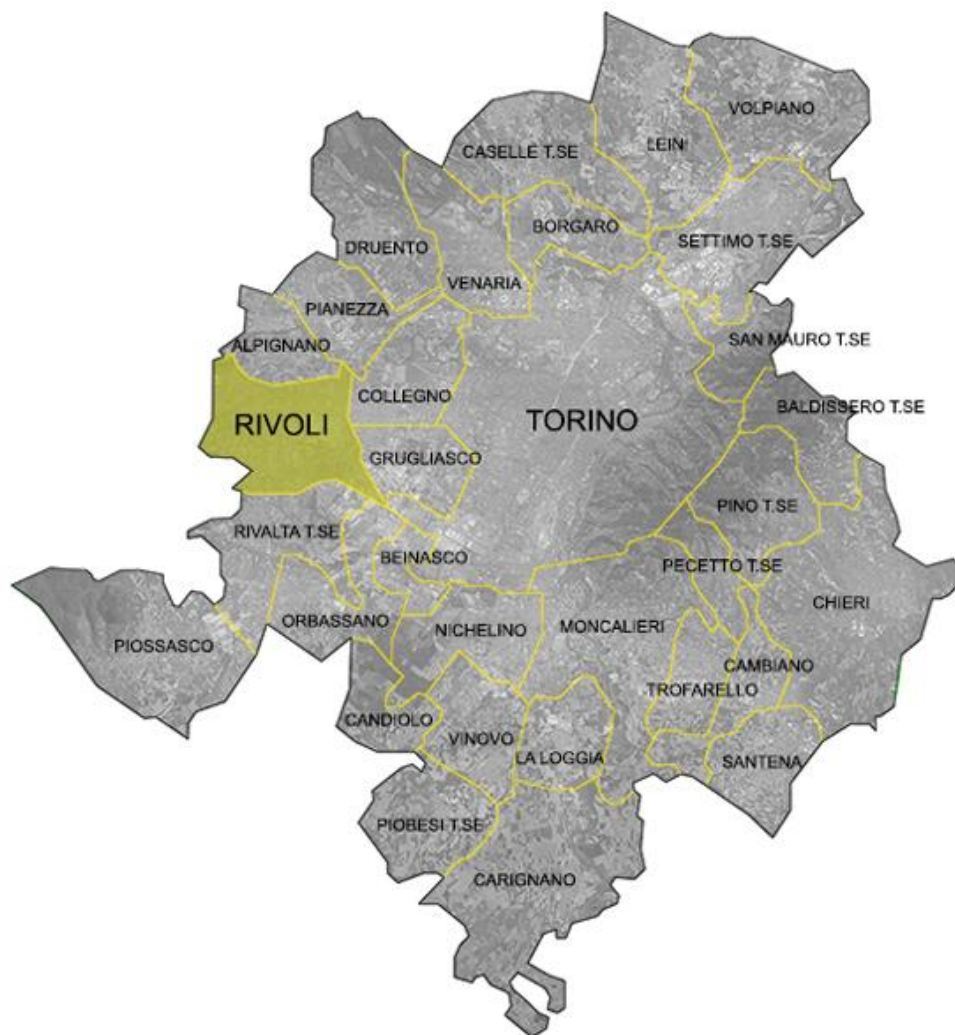
Mobility and Community. An urban renewal and public transport project for Rivoli

by Enrico Rodio

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The thesis regards the urban renewal project for three different areas on the territory of Rivoli, in the metropolitan area of Turin, supported by a public transport system appositely thought to interconnect them between each other and among the different emergencies on the territory. The project aims to give to these areas the highest grade possible of accessibility to change the concept of urban mobility.

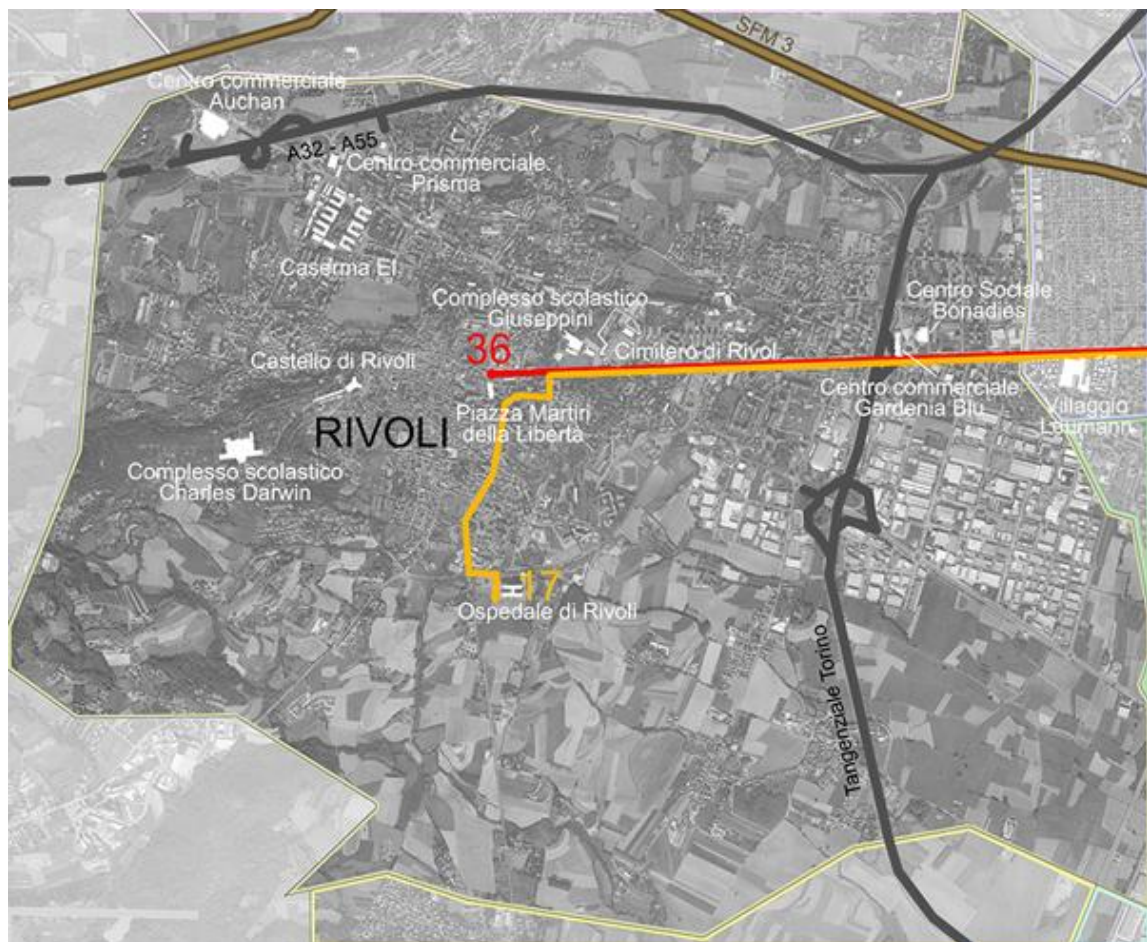


The metropolitan area of Turin with the 31 cities as defined by the Agenzia Mobilità Metropolitana di Torino, with the emphasis on the city of Rivoli

The contributions, which lead to the realization of this study, are three. The first one is about urbanism, fundamental for the opening territorial analysis, which are useful for the definition of the masterplan for the selected areas and for the public transport system. The second one consists in a socio-economic analysis, defined Community Impact Analysis (CIA). Its aim is to establish which are the social groups involved in the project and which are their preferences among the different possibilities, to define the best one. Eventually, the last contribution gives the possibility to work singularly on the selected areas in a bigger scale, to define essentially their public space.

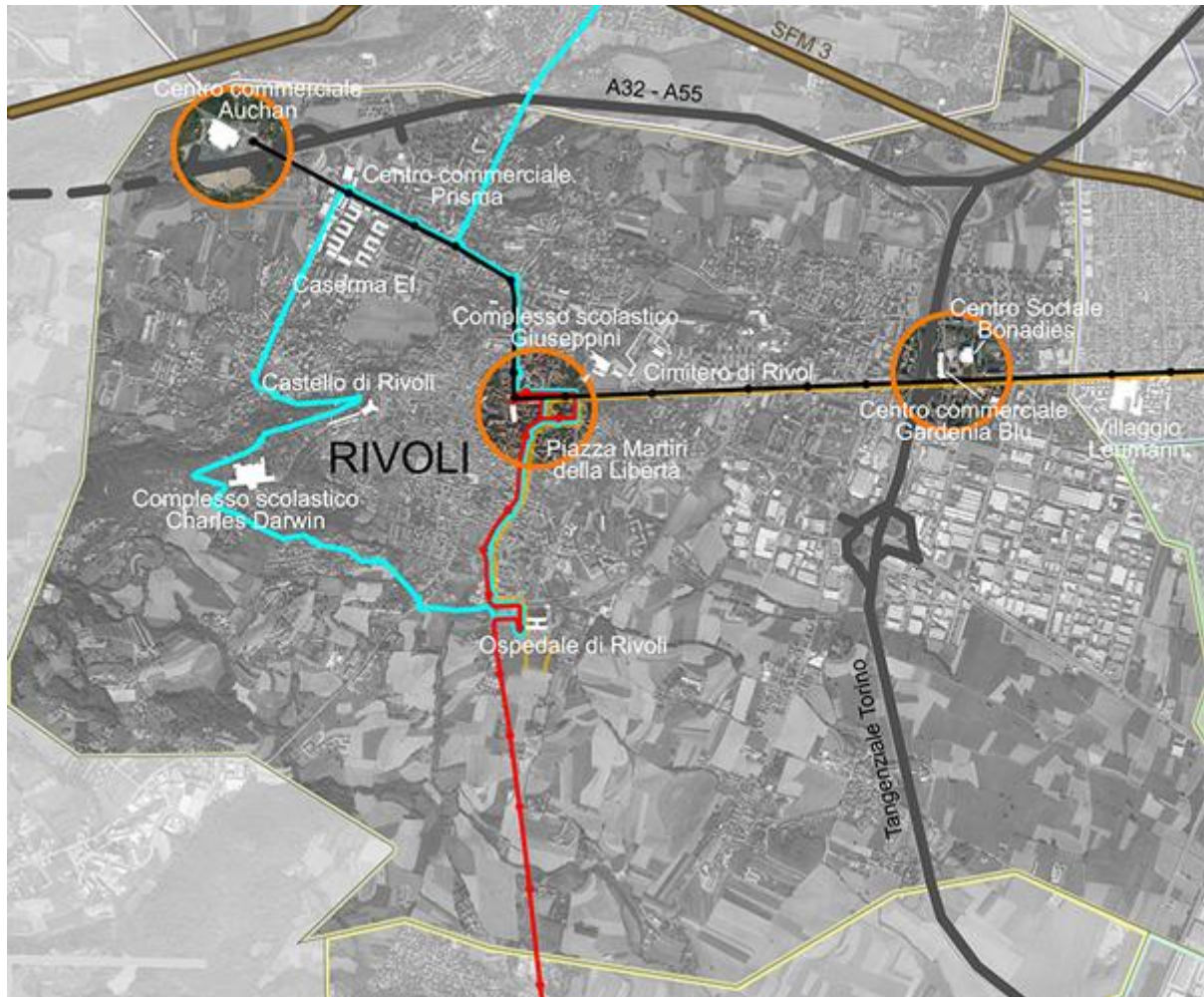
These three contributions give also the structure of the thesis, that is divided into four chapter that, starting from the presentation of the framework, arrive to the definition of the project and so at the socio-economic analysis from which the best possibility of intervention is defined, in order to conclude with the projects on the singular selected areas.

The urban study on the accessibility of the three examined areas allows a judgment on it that a simple mobility study could not. This is because knowing the mobility of a subject does not allow us to tell anything about accessibility if the relevance of the place which is wanted to access is not clear, both in terms of social contest and subject characteristics too. It is also for this reason that this thesis begins with the urban analysis on the part of territory chosen and on its relevant places.



City territory of Rivoli, with the highlight on the emergencies on it and on the existing public transport system

Regarding the public transport system supporting the renewal project of the three selected areas the program of Torino Smart City comes to the aid of defining its characteristics in terms of efficiency, low environmental impact, and fairness. Anyway this program does not put on evidence that the quality of the public transport system depends also and especially on land covering, on the frequency of the passage of the vehicles and on their regularity. In fact it does not cover all the metropolitan area, included Rivoli. For this reason the suggested project tries to integrate itself into the biggest one for Turin, supporting it and filling its gaps, including in it also the territory of Rivoli, involving and valuing its urban renewal projects.



City territory of Rivoli, with the highlight on the three selected areas and the system of public transport supporting them and the territory

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