



POLITECNICO
DI TORINO

Honors thesis

COURSE OF TERRITORIAL, URBAN, ENVIRONMENTAL AND LANDSCAPE PLANNING

Abstract

*The historical dualism of Olbia: between flood risk and the possibility
of a coherent development of the local territory*

Tutor

Stefano Ferrari

by

Federica Flori

23th July 2018

This study aims to examine the history of the flood risk in the city of Olbia. Olbia is located in the north-east of Sardinia, in a floodplain with a deep and feeble leaning hydrographic reticulum which flows into the gulf with the same name. Following a theoretical framework, the city was studied from its origins to nowadays through an historical perspective which highlights the Sixties as a break period from the past because of the tourism activity which started in the region with the creation of Costa Smeralda.

Following the analysis of the urban, demographic, social and economic dynamics which are responsible for the main important changes in the local territory, the river problems are summarized. They are caused by the reclamations at the beginning of the XX century and the successive actions of hydraulic settlements following the urban growth.

Thanks to the studies presented in the Plan for the attenuation of the flood risk (Mancini Plan) and in the next one (Alternative Planning Solution) we can remark the fact that the territory of Olbia is the most high-risk area of the region.

These works, which were conducted after the Ciclone flood, highlight a methodological lack. This is due to the absence of a multidisciplinary approach, which is required to study this phenomenon, and to the inadequate attention to what happened in the past, which is very important to this thesis.

To fill this last gap, a diachronic analysis of the main changes of the risk areas was conducted, especially on their surfaces, during 1958, 1977 and 2014. The choice of these years is due to their importance in the city history and in its urban transformations. This historical study allows us to understand the complexity of the dynamics related to the growth and development of the city and its rivers, which represent a distinctive element from the other cities of the region.

This analysis gives us the opportunity to identify the wrong uses of the soil - and their main causes - and it allows us to find the future actions for a right and responsible growth of the city. In order to do this, we identify three macro-subjects which are considered the main important ones for the future growth of the city of Olbia, strictly linked to its rivers. From this, many strategic directions are presented, in order to start a reconsideration of the urban reality of the city: the aim is to relocate the planning focus on the quality of the space and on the river element as a growth opportunity.