



**Politecnico
di Torino**

Honors Thesis

Master of Science in Sustainable Architecture

Abstract

LET ME FLOW - A resilient flood strategy for Red Hook, Brooklyn

Tutor/Correlator

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The contemporary city is facing changes and challenges in a global context. The city is confronted with increasing social inequity, rising population, transportation issues, and the need for more green areas. The city must also inevitably deal with the increase in climate change disasters, which are changing and will change the geography and the idea we have of the city.

The climate is changing, we need to accept it and develop strategies to make the change live with the city.

The thesis begins by identifying the global problem of climate change regarding flooding and sea level rise, investigating how contemporary cities deal with this problem. This is followed by a study of New York City geographically, socially, economically, culturally, and environmentally and then focuses on a more local view of Red Hook, a neighborhood located in northwest Brooklyn, characterized by being one of the most vulnerable areas to the effects of change in New York City. Most of its low-lying coastline is projected to be inundated as early as 2100.

The research aims to act as urban acupuncture, studying the most vulnerable areas of Red Hook to improve its ability to adapt to the water-related consequences of climate change.

The thesis is not intended to be a solution, but a strategic analysis of actions that can in turn generate reactions by developing a city's ability to be resilient to climate change.



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