Country / City	United Kingdom / London
University / School	Kingston University London / Kingston School of Art
Academic year	2019/2020
Title of the project	Brighton Waterfront Park: Creating A Resilient Waterfront
Authors	Negar Maleki

TECHNICAL DOSSIER

Title of the project	Brighton Waterfront Park: Creating A Resilient Waterfront
Authors	Negar Maleki
Title of the course	MLA Landscape Architecture
Academic year	2019/2020
Teaching Staff	Enrico Evangelisti, Íñigo Cornago Bonal, Kristof Fatsar
Department/Section/Program of belonging	Department of Architecture and Landscape
University/School	Kingston University London / Kingston School of Art

Written statement, short description of the project in English, no more than 250 words

The Brighton & Hove seafront is one of the most attractive and unique beaches in the UK. Each year, more than 10 million tourists visit this area. The City Council is working on a regeneration and redevelopment project on the seafront to **enhance resilience** and restore its historic character. Sea level is rising, and the resulting flooding risk has been a serious problem threatening Brighton & Hove now and in the future. Based on scientific research, it is estimated that the sea level is rising 4 mm per year. If we do not adopt any adaptation strategies (including reduction of carbon emissions), this number could increase to a 10 mm per year.

This city is threatened by sea level rise, and the possibility of severe life-threatening flooding is increasing each year. There are progressively **bigger storms, increasing rainfall and rising sea levels.** The Brighton coast has diverse physical forms including cliffs, dunes and beaches, towns and villages along the coastal fringe and areas of agricultural land.

The area's shoreline is characterized by shingle beaches. The shingle beaches are controlled by groynes. The dominant wind direction is south westerly, and as a result, shingles and sands are moved eastwards. These solutions include designing a resilient waterfront such as a **seawall and riprap to protect the coastline from erosion.**

For further information
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CLIMATE CHANGE AGAIN

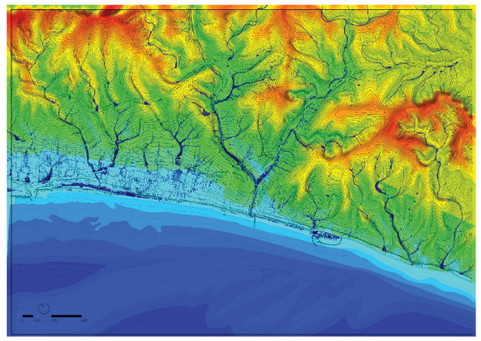
11th International Biennial Landscape Barcelona

Barcelona September 2020

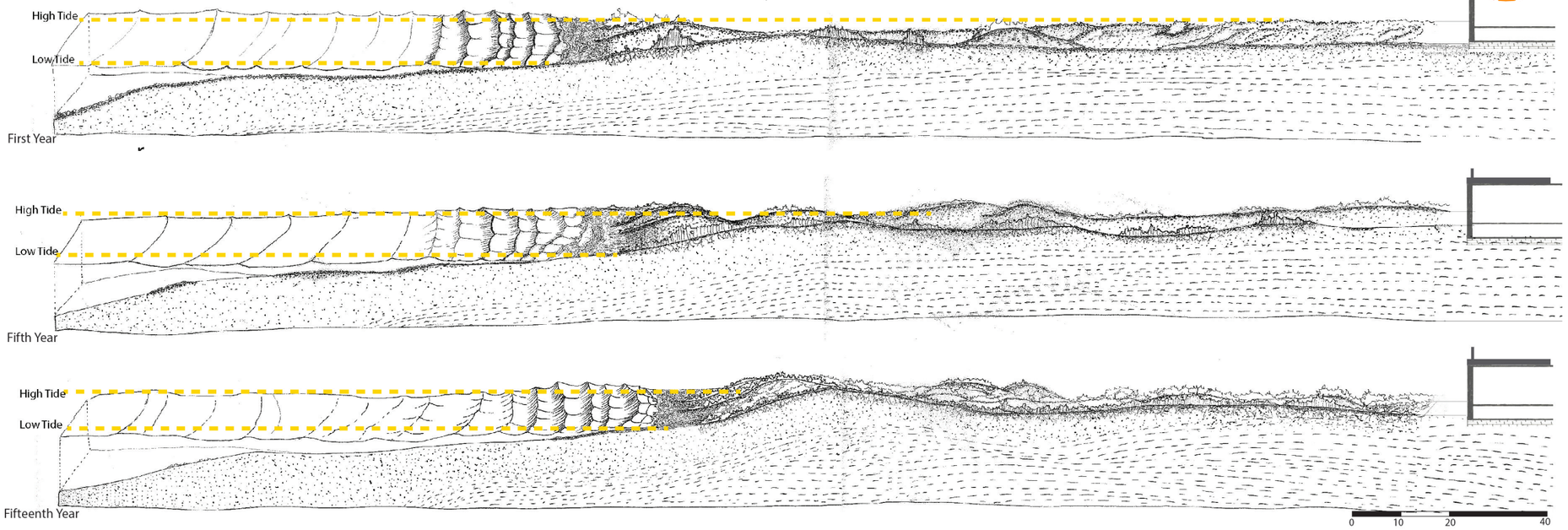
SCHOOL PRIZE

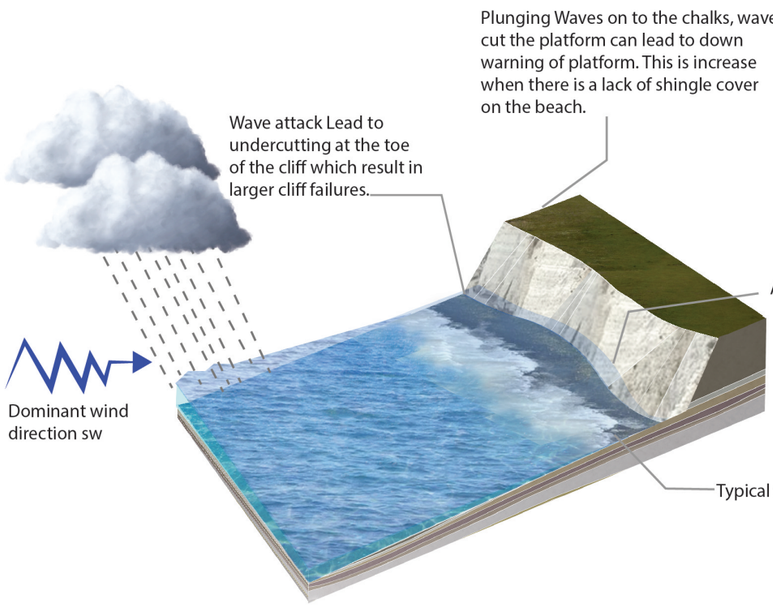
Brighton and Hove

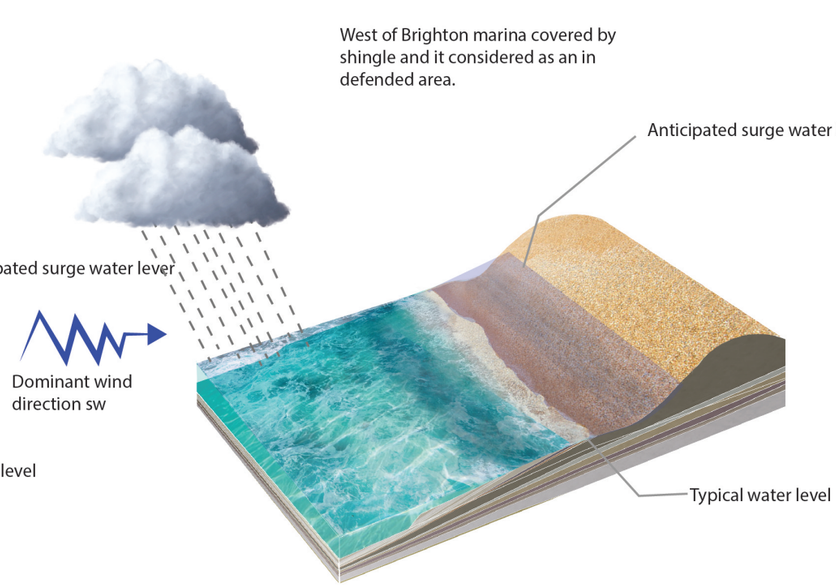
Flooding Map

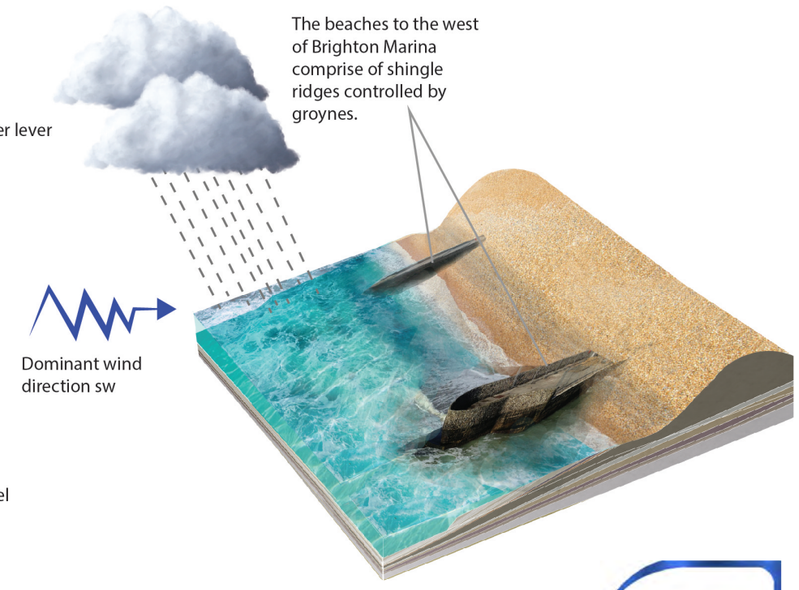


The Transformation of Waterfront Landscape

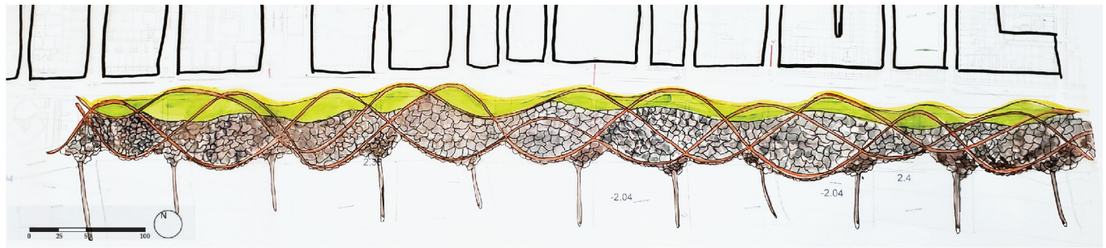


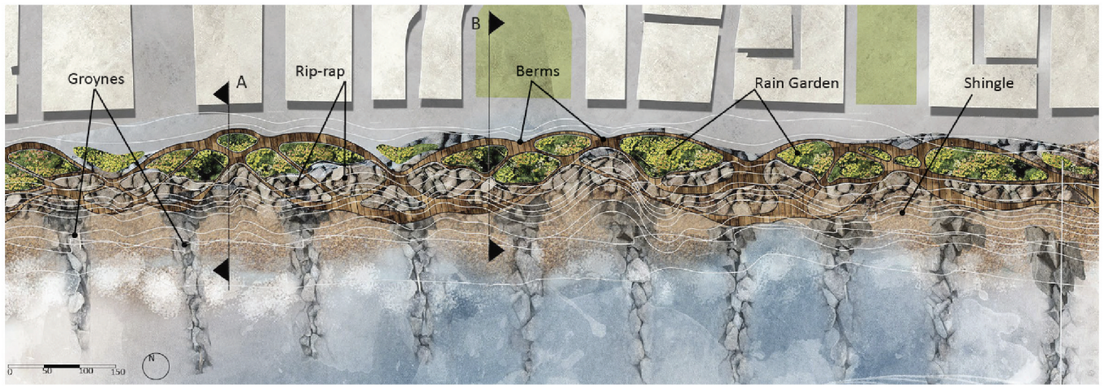




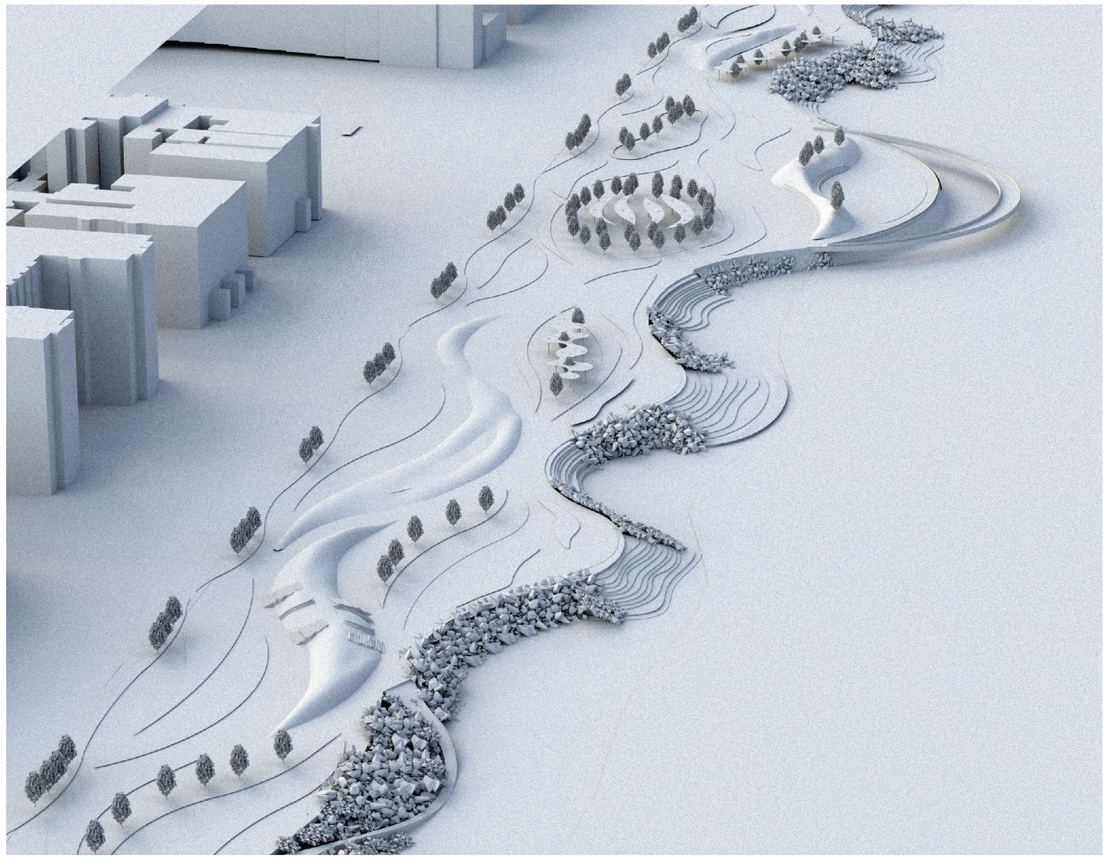


Design Process

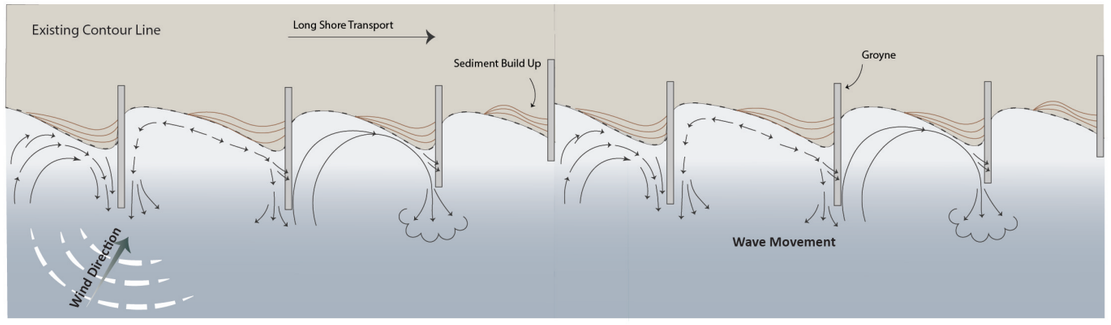


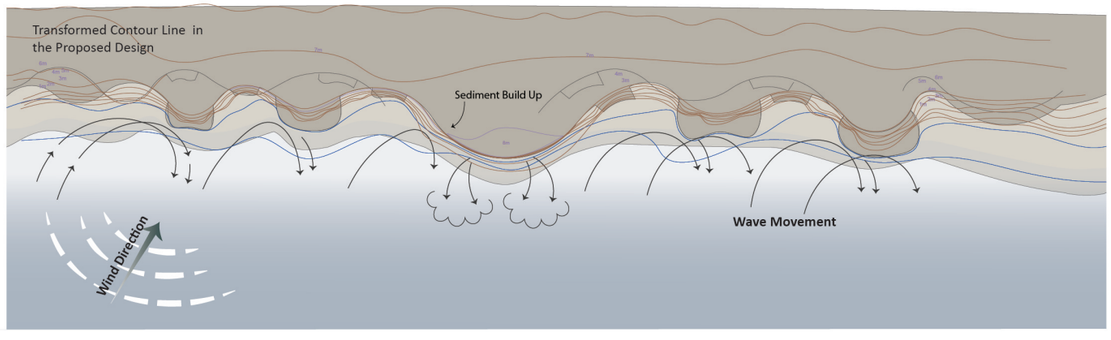


Final Design Model

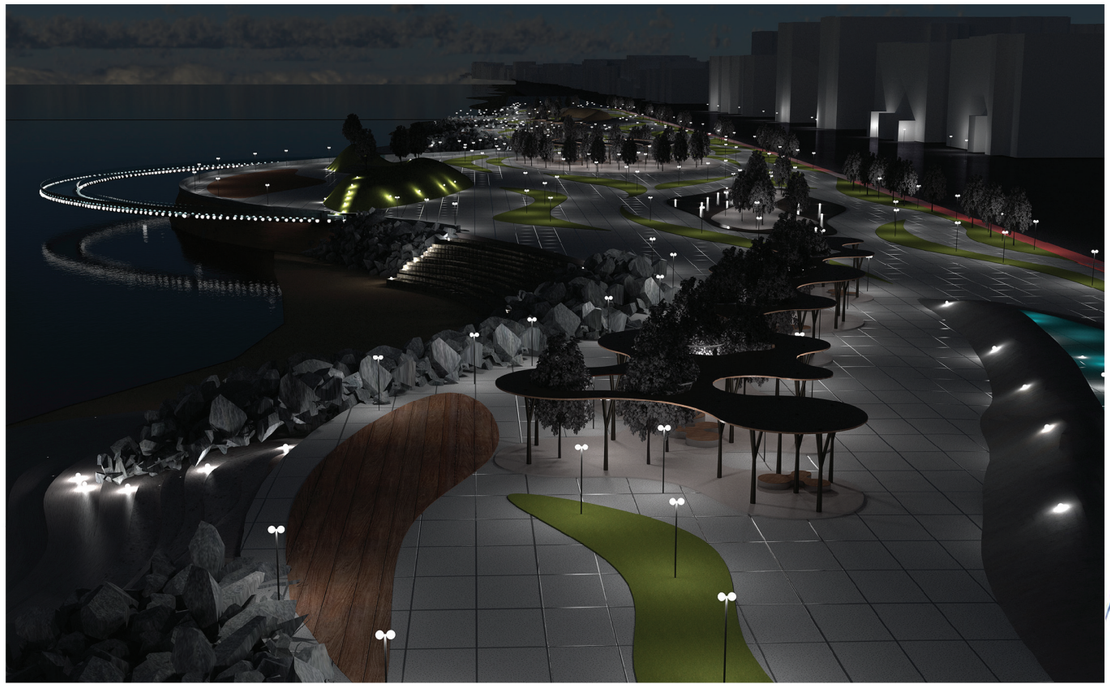


Brighton Beach Transformation

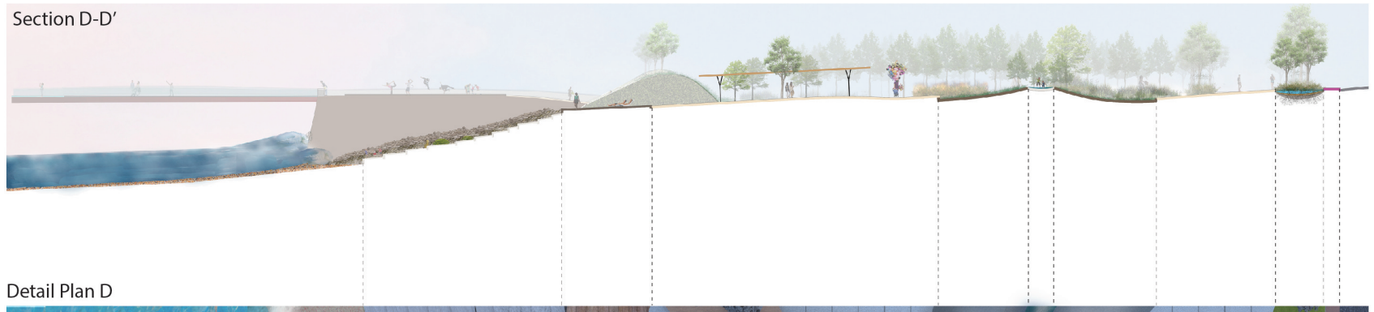




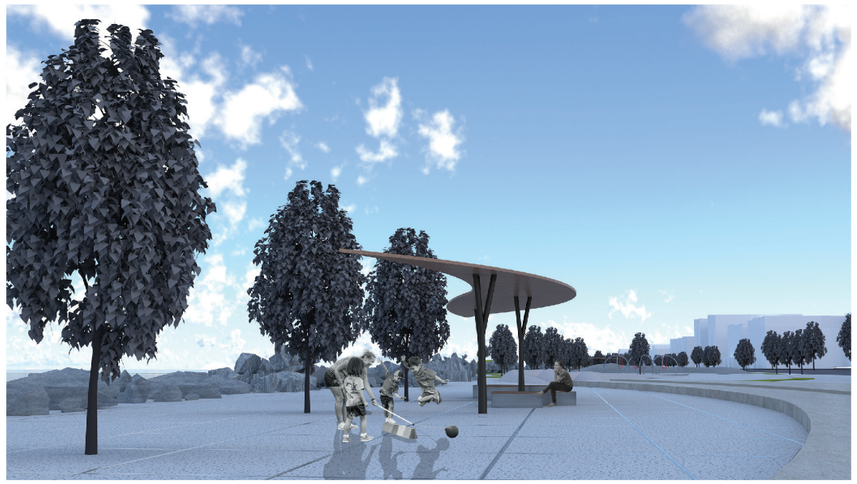
Design Model At Night



Section D-D′



Detail Plan D



Section B-B′

Master Plan