Country / CityUNITED STATES / ITHACAUniversity / SchoolCORNELL UNIVERSITYAcademic year2017-2018Title of the projectSEDIMENT SKELETONSAuthorsJACOB L. KUHN





# PERFORMATIVE NATURE

**Barcelona International Landscape Architecture Biennial** 

September 2018 Barcelona SCHOOL PRIZE

### X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC ETSAB- Escola Tècnica Superior d'Arquitectura de Barcelona Avenida Diagonal, 649 piso 5 08028 Barcelona-Spain

## **TECHNICAL DOSSIER**

Title of the project	Sediment Skeletons
Authors	Jacob Kuhn
Title of the course	LA 4020: Sediment City
Academic year	2017-2018
Teaching Staff	Brian Davis
Department/Section/Program of belonging Department of Landscape Architecture, College of	
Agriculture and L	ife Science
University/School	Cornell University
Teaching Staff	/Program of belonging Department of Landscape Architecture, College of ife Science

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

Sediment Skeletons hybridizes landscape architecture and infrastructure to produce a string of islands along the western coast of Galveston Bay. This artificial archipelago along the west side of the Houston Shipping Channel in Galveston Bay provides defense against storm surge before the waves even reach the shoreline, while also contributing to ecological habitat growth and increased recreational space out in the bay. While acting as breakwaters against sea level rise, the islands draw the people of Galveston out into the water to reconnect and enhance daily life. The islands themselves are constructed with a durable, grid-like structure into which dredged material can be placed. These structures mimic the dredged material placement areas (DMPA) that are scattered throughout Galveston Bay. Unlike the existing DMPAs, the Sediment Skeletons allow for new recreational opportunities for civilians and enhanced infrastructural capabilities for the Army Corps of Engineers. This project aims to take full advantage of the millions of cubic tons of dredged material removed from the Houston Shipping Channel each year.

#### For further information Máster d'Arquitectura del Paisatge -DUOT - UPC

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