# GASTOWN **URBAN PLUG-IN**





Coastal flooding Low-lying agricultural lands becoming too saline for cultivation Drinking water decreasing in quality and quantity Increased rainfall Droughts and soil erosion Worsened growing seasons

Country / City	
University / School	
Academic year	
Title of the project	Ga
Authors	





Canada, Guelph University of Guelph 2020 Gastown Urban Plug-In **Chloé Brown** 

### **TECHNICAL DOSSIER**

Title of the project	Gastown Urban Plug-In
Authors	Chloé Brown
Title of the course	Capstone Design
Academic year	2020
Teaching Staff	Nadia Amoroso and Sean Kelly
Department/Section	n/Program of belonging Bachelor of Landscape Architecture
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University/School University of Guelph

Written statement, short description of the project in English, no more than 250 words The Gastown Urban Plug-In is to become a center for urban agriculture in the City of Vancouver. Urban agriculture provides many benefits, such as greening the city, improving biodiversity, making use of under-utilized spaces, and producing food closer to home. Urban farming also enhances the local food economy by creating green jobs, building skills, and shortening food supply chains. The Plug-in is not only an urban farm, but it is a trendy area for people to escape from the city. The Plug-In also incorporates many technologies to help the site function, such as rainwater barrels, vertical farming, hydroponics, solar panels, and an app. Through the use of recycled shipping containers, a market place was created where people can shop and enjoy the site. Within these shipping containers, there are also hydroponic farms so that in the winter months, food can still be grown. Local artists also display their art on the containers to maintain the aesthetics of the space. This space is a destination for events, leisure, and more within the various seasons. By planting various species on the site, it is rich in biodiversity and has become a space for not only the people of Vancouver but also many other species. Through the implementation of the Plug-in, many issues will be addressed, including food security, lessening the effects of air pollution, and increased rainfall. The Plug-In being an adaptable design that can be seen in Vancouver and other cities around the world.

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

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## **CLIMATE CHANGE AGAIN**

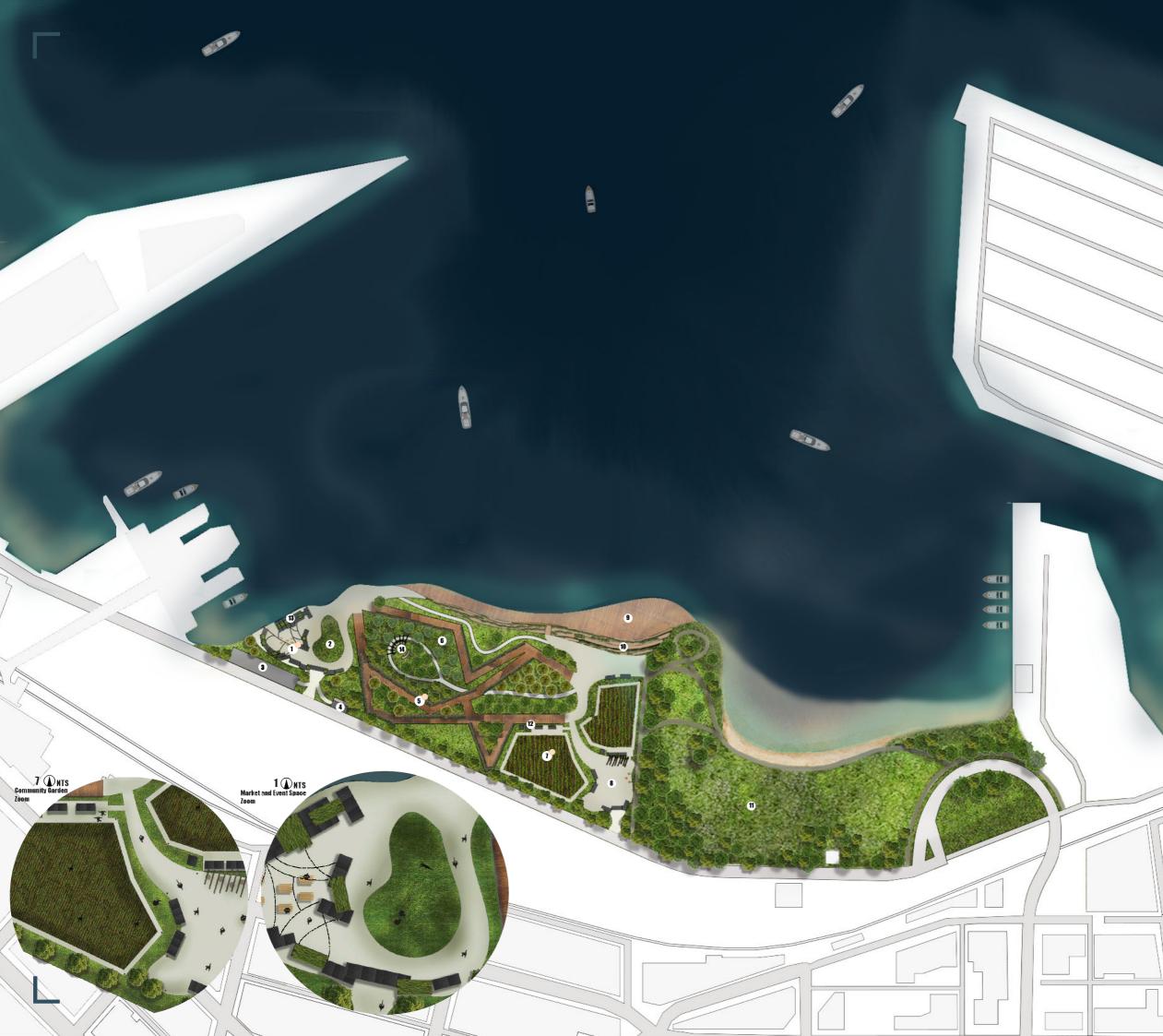
11th International Biennial Landscape Barcelona

Barcelona





September 2020 SCHOOL PRIZE





 1
 Market and Event Space

 2
 Public Lawn Space

 3
 Parking Lot

 4
 Bike Parking

 5
 Pollinator Boardwalk

 6
 Fruit Tree Orchard

 7
 Community Garden

 8
 Community & Education Space

 9
 Waterfront Boardwalk

 10
 Boardwalk Seating

 11
 Existing Crab Park

 12
 Rain Garden

 13
 Freight Farms

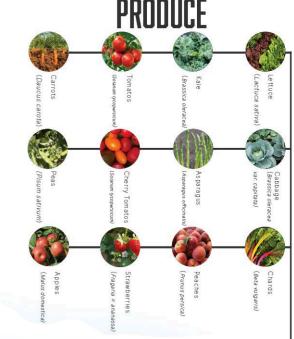
 14
 Green Pergola

 9
 Perspective Locations

# THE PLUG-IN







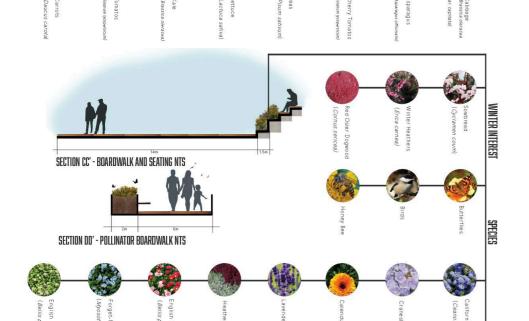
# URBANAGRICULTURE

### **COMMUNITY FIELDS** 1

**The Community Garden reflects** traditional urban agriculture and community engagement. This is a space where visitors can go and have a hands on experience, and learn more about agriculture. Visitors can also come and pick their own produce to take home

## **2** MARKET SPACE/CONTAINER FARMS

The Market Place is the main attraction on the site. It is multi-use and multiseasonal space where visitors can relax, get some food and learn more about urban agriculture



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SECTION AA' COMMUNITY FIELDS NTS

### **URBAN AGRICULTURE**

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DCIAL: Youth Development & Education, Fo
EATH: Healthy Foods, Physical Activity, Hea
CONOMIC: Local Economic Simulation, Job
COLOGICAL: Conservation, Stormwater Mai Effects of Climate Change



### 3 POLLINATOR BOARDWKALK

**The Pollinator Boardwalk** maintains connectivity throughout the site while also educating visitors on pollinator plants and their biological benifits.



