

AR5952L Human Ecology | Space & Health SPECIAL

Assignment 1.3

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FEEDING THE FUTURE

"URBAN AGRICULTURAL INNOVATION DISTRICT"

Rapid urbanisation, Climate change along with agricultural land loss raises a common issue around the world of
"how to repurpose agricultural land and resources for urban development and food self sufficiency"

Barcelona over the span of 50 years has lost more than 50 percent of its Agricultural land due to fast paced urbanization. It is estimated by 2050 half of Llobregat delta region is prone to flood which poses a threat to food sufficiency and economic sector of the region.

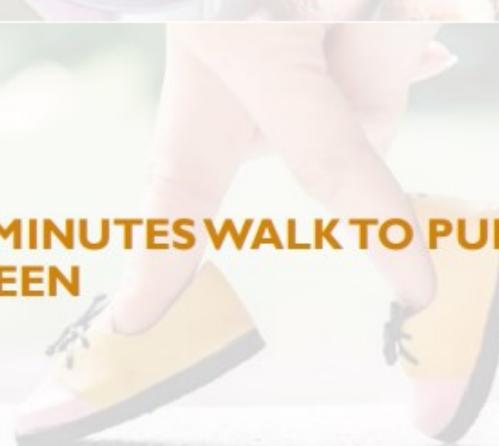
OBJECTIVES



FOOD SELF SUFFICIENCY FOR AREA
METROPOLITAN BARCELONA



10 MINUTES WALK TO PUBLIC/ PRODUCTIVE
GREEN



CARBON NEUTRAL TRANSPORT SYSTEM

Adding cities to agriculture!



20TH CENTURY CENTRALITIES



BARCELONA 1808

CAR ORIENTED
TRADITIONAL INDUSTRIAL/ COMMERCIAL CENTERS

21ST CENTURY CENTRALITIES



BARCELONA 2050

PUBLIC TRANSIT ORIENTED
WALKABLE NEIGHBOURHOOD
BLUE GREEN INTEGRATED PRODUCTIVE GREEN CORRIDOR

Sensory Design Principles:

Sense of belonging

Sense of pressure

Sense of life

Sense of Safety

Sense of warmth

Sense of balance

Sense of wayfinding

Sense of Scale

Access

Sense of Rythm

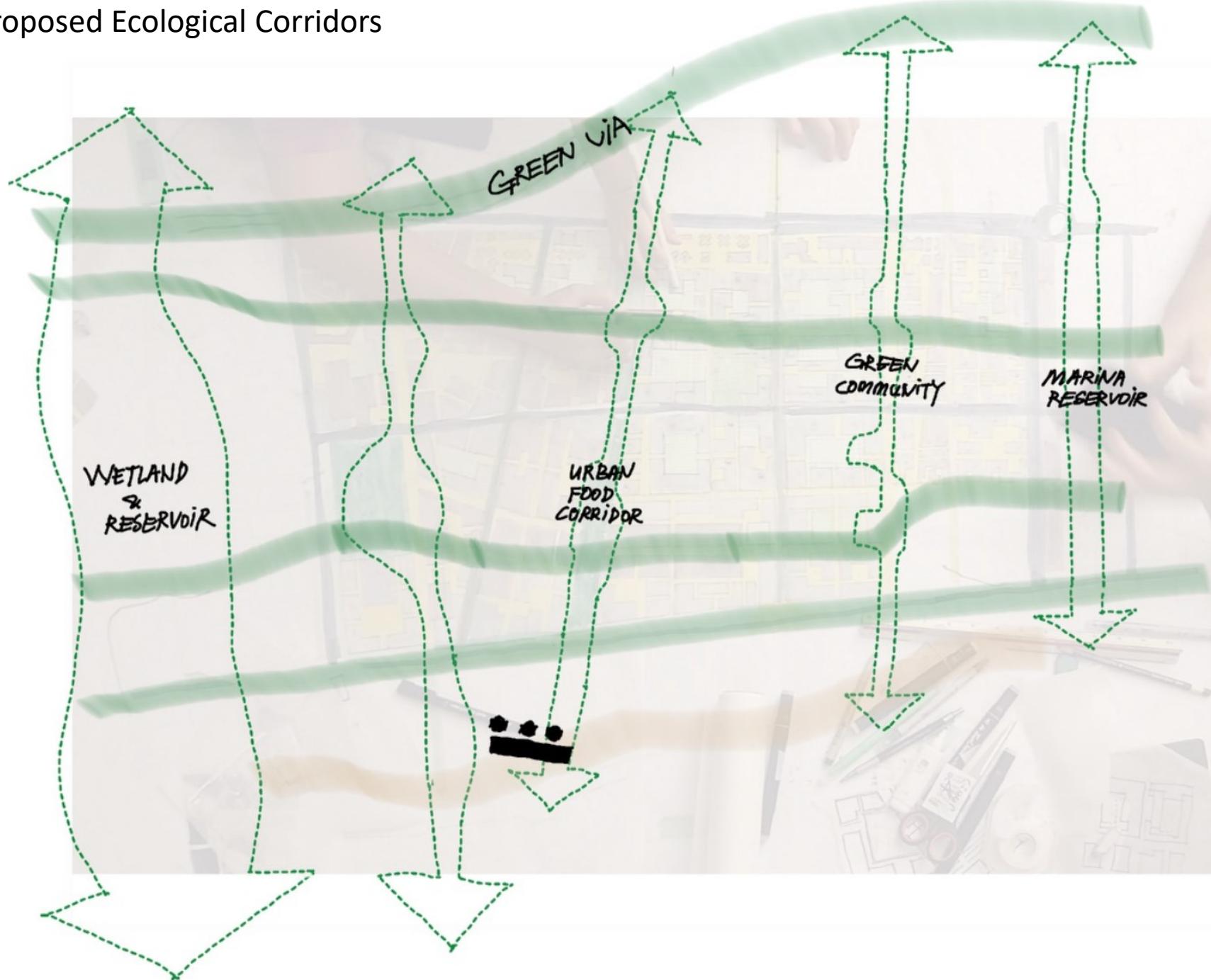
Sense of Self-worth

Sense of self-esteem

Sense of Ego



Proposed Ecological Corridors



Hierarchy of Corridors, Number 3 being the most significant in terms of connectivity, purpose and functions.



Agro-Ecological Corridor

Main Spine Connecting the greenvia to the three chimneys

The Spine acts as the magnet for core commercial and agricultural activities serving as the link for all activities within the site.

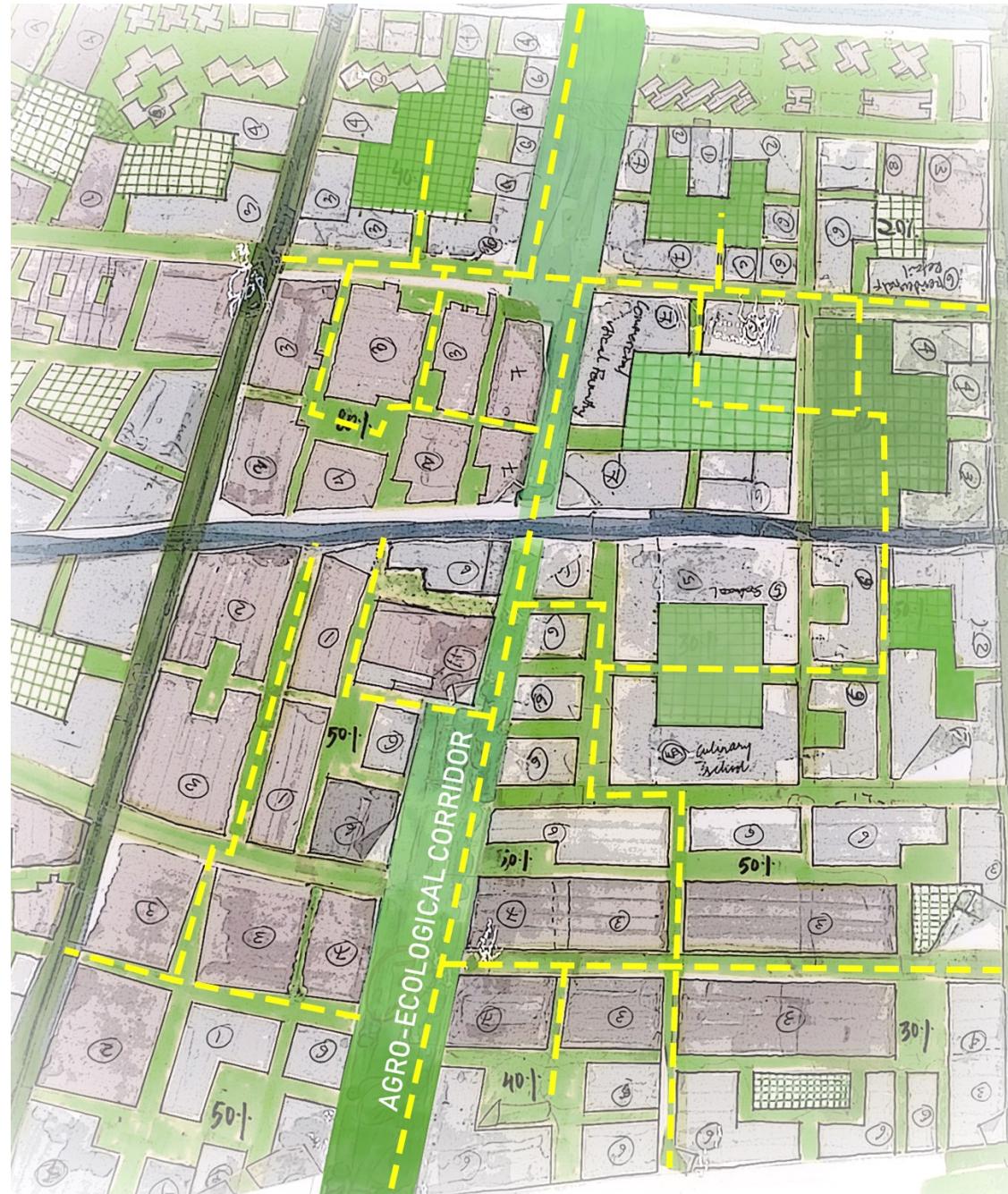
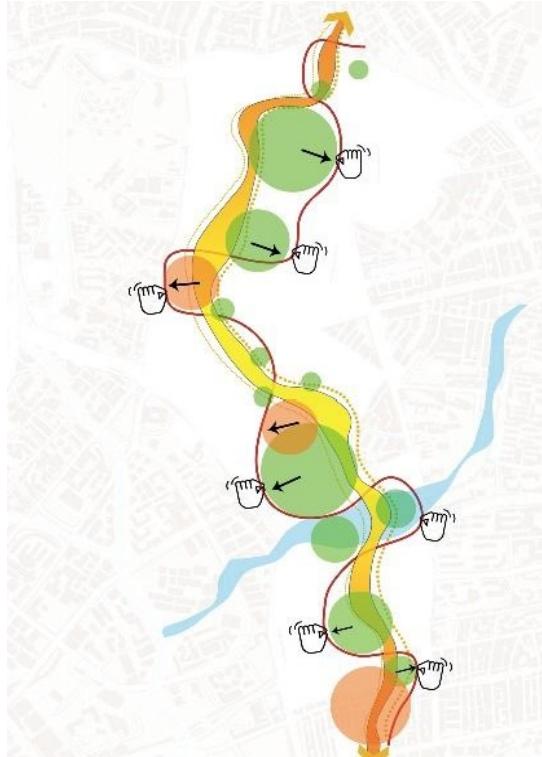
Fragmenting from the spine are maze like alleyways leading to different forms of landscape typologies.

The Sense of Exploration and wayfinding is the key principle for this proposal



Functions along the spine:

Culinary School and gardens
Horticulture therapy
Citrus Fruit Gardens
Informal/formal Food Markets
Healing Gardens
F&B Outlets
Urban Farms



AGRO-ECOLOGICAL CORRIDOR

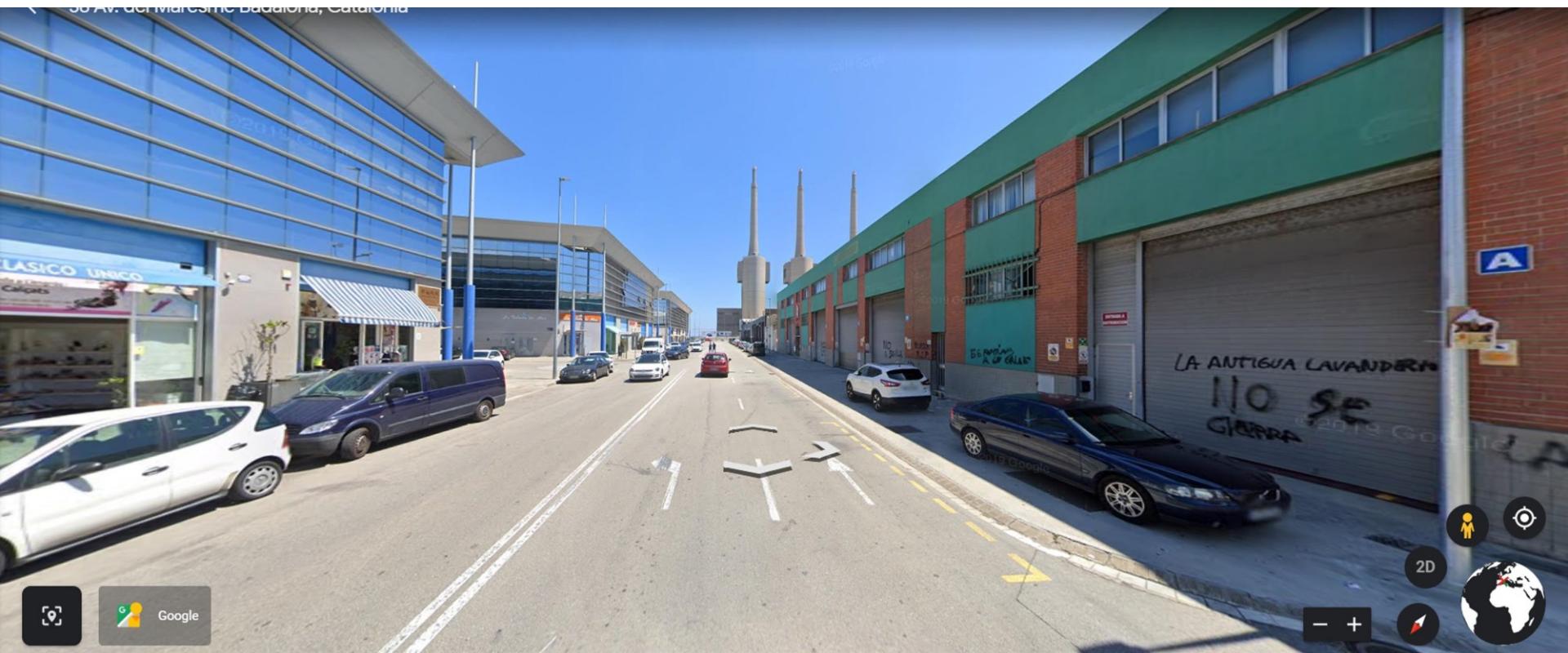
street sensory experience





Graphic art portraying the sensory experiences that can be perceived along the corridor

From an Industrial Core



To an Agro-Ecological Corridor



The spine allows for an amalgamation of different functions bringing together the community and people of all age groups.

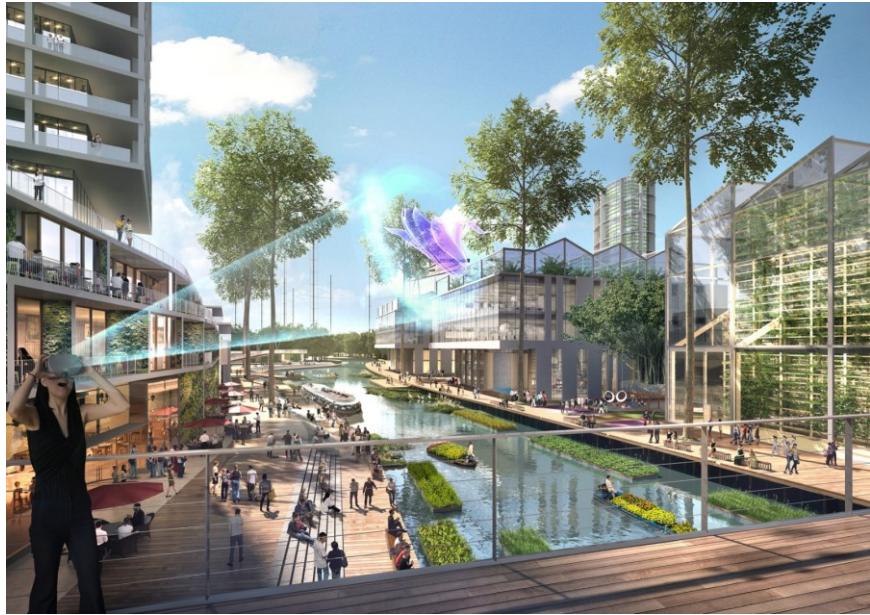
The vista leads to the monumental three chimneys giving a clear sense of way finding.

Particularly for the elderly, the space serves as a congregation for caretaking(Plants) boosting their self esteem and providing a clear sense of purpose.

The color palette and tactile nature of the facades adds to the sensory experience of the street.

The building heights are low, respecting the human scale and allowing enough enclosure for community gatherings

The plan is porous, allowing ample walking space, augmenting sense of liberation.



Vertical Farms,water therapy:Sense of tranquility



Congregation Space:Sense of Belonging



Horticulture Therapy:Sense of Self-esteem