

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

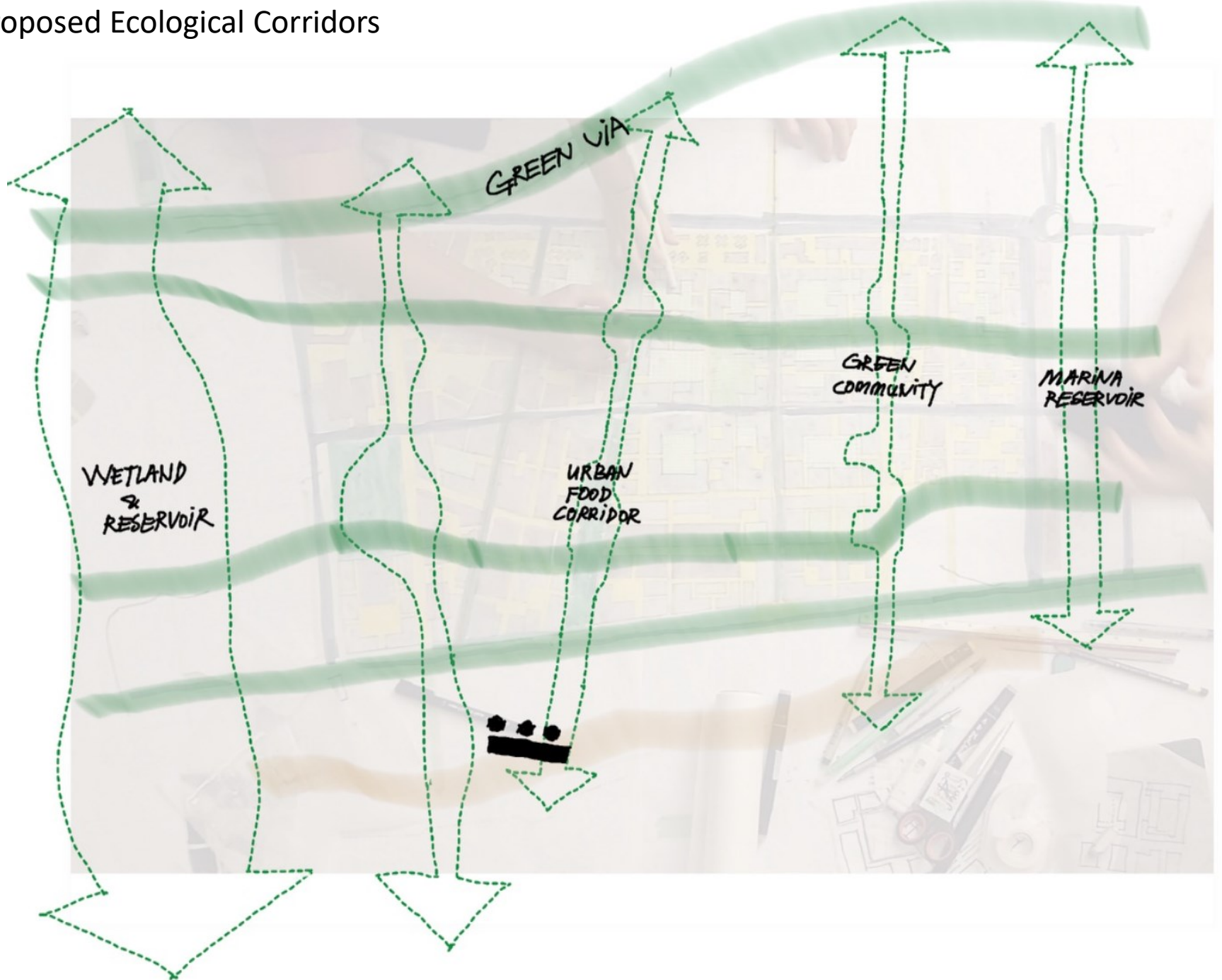
Sense of Self-worth

Sense of self-esteem

Sense of Ego



Proposed Ecological Corridors



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



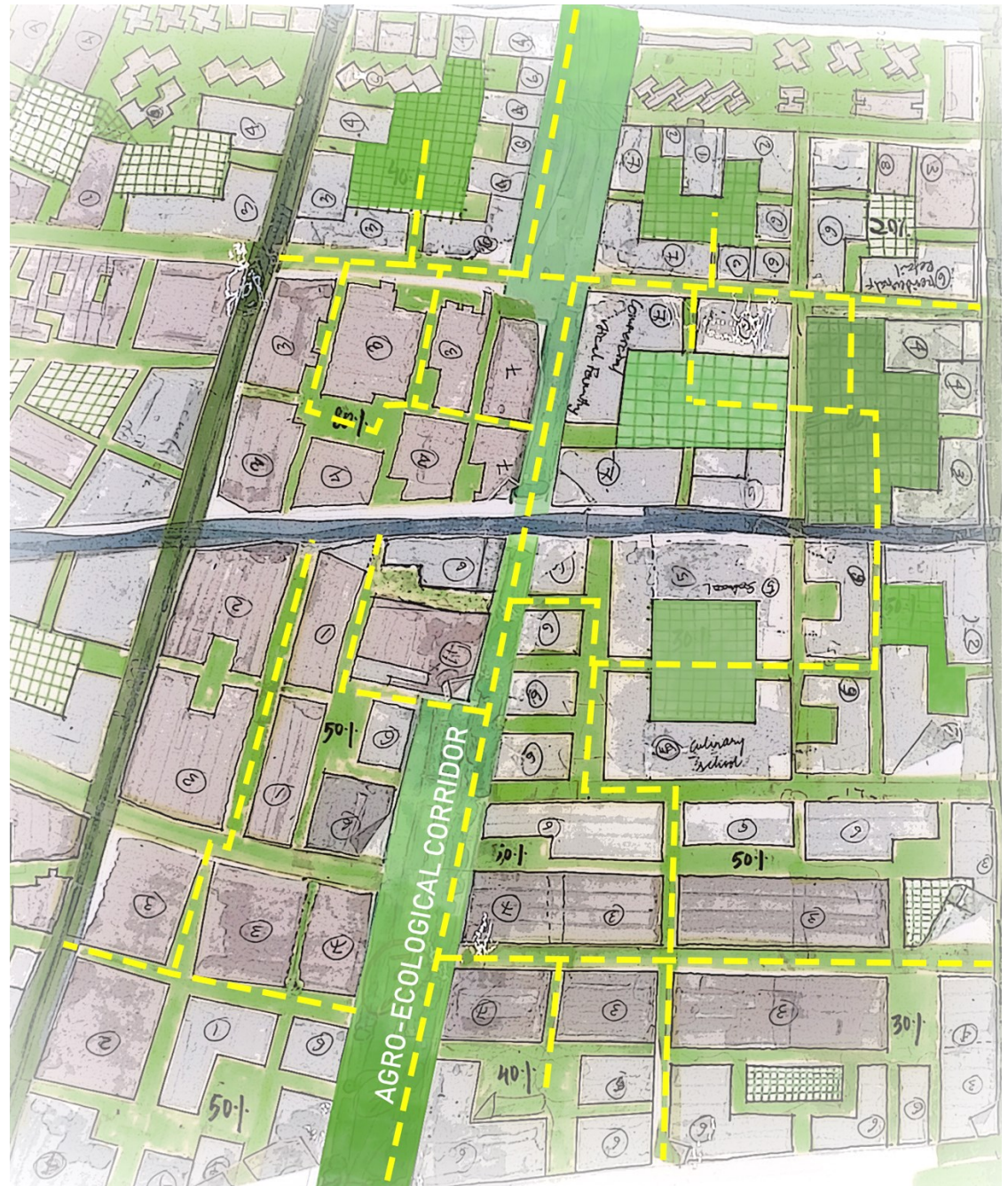
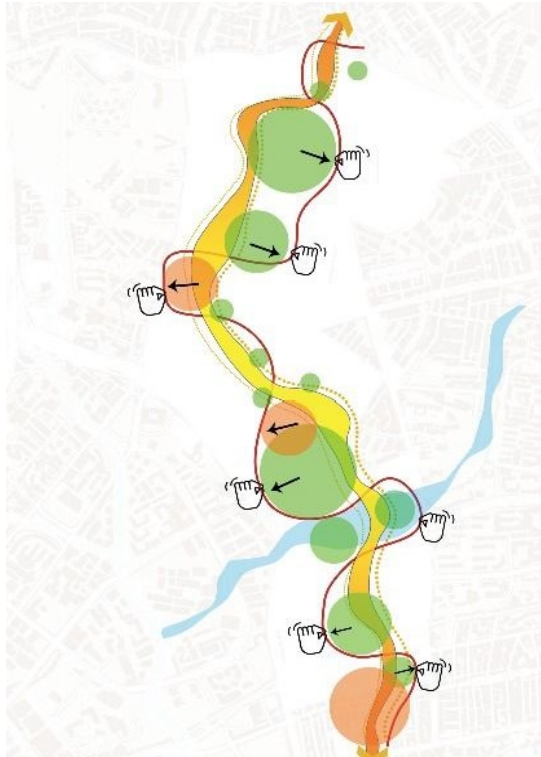
Main Spine Connecting the greenvia to the three chimneys

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.

A hand-drawn map of a city block, oriented vertically. The map shows a grid of streets and lots. Lots are numbered with circled numbers (1-10). Green spaces are highlighted in green. A large green area is labeled 'Community Field' and 'Randy'. A smaller green area is labeled 'School'. A building is labeled 'Culinary School'. Dimensions are marked on some lots: 80', 50', 40', and 30'. The map is drawn on a grid of lines, with green areas filled in green. The lots are outlined in black and numbered. The map is oriented vertically, with the top of the page at the top. The map shows a grid of streets and lots. Lots are numbered with circled numbers (1-10). Green spaces are highlighted in green. A large green area is labeled 'Community Field' and 'Randy'. A smaller green area is labeled 'School'. A building is labeled 'Culinary School'. Dimensions are marked on some lots: 80', 50', 40', and 30'. The map is drawn on a grid of lines, with green areas filled in green. The lots are outlined in black and numbered. The map is oriented vertically, with the top of the page at the top.

- 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



From an Industrial Core

58 Av. del Maresme Badalona, Catalonia



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