

# **Team 3**

# **VLC Summer School**

## **Tasks 2 & 3**

**A synergic planning methodology and results in the VLC Pilot Site**

**Monika | Dilara | Raveena | My An | Mohamad | Anushka**

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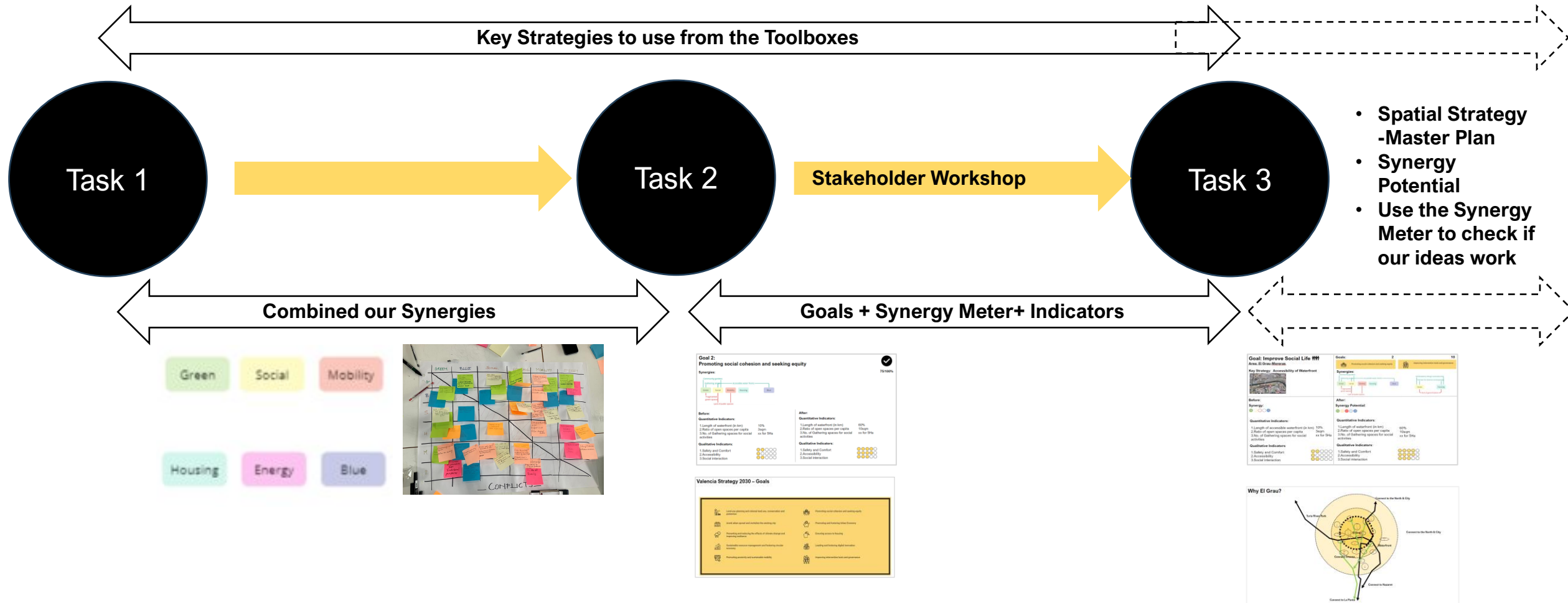
## Task 3 – Spatial Strategy

1. Spatial Strategy & Vision
2. Why start with El Grau?
3. Timeline of Strategies
4. Conclusion & Further Reflection on Methodology

# Introduction & Methodology

1. Methodology
2. Visit to the Site

# Methodology



Monika (Blue) | Dilara (Housing) | Raveena (Mobility) | My An (Social) | Mohamad (Energy) | Anushka (Green)

Plaza Aras Alpuente, 8:  
Not enough social activities



**Nazaret:**  
**No activity on the ground floor**  
**Parking all along the street**



**Nazaret:**  
**Poor pedestrian infrastructure**  
**Walls and fences disconnecting visual connection**



**Huerta:**  
**Agriculture Protected Land**  
**Landscape characteristics change very often**





**Huerta:**  
Different housing styles – appear to be disconnected



**El Grao:**  
**Disconnected El Grao**  
**Poor accessibility across the canal**



**El Grao:  
Unplanned land  
Surrounded by different urban typologies  
and uses**



**Moreras:  
New Construction  
Condominiums  
High Rises**

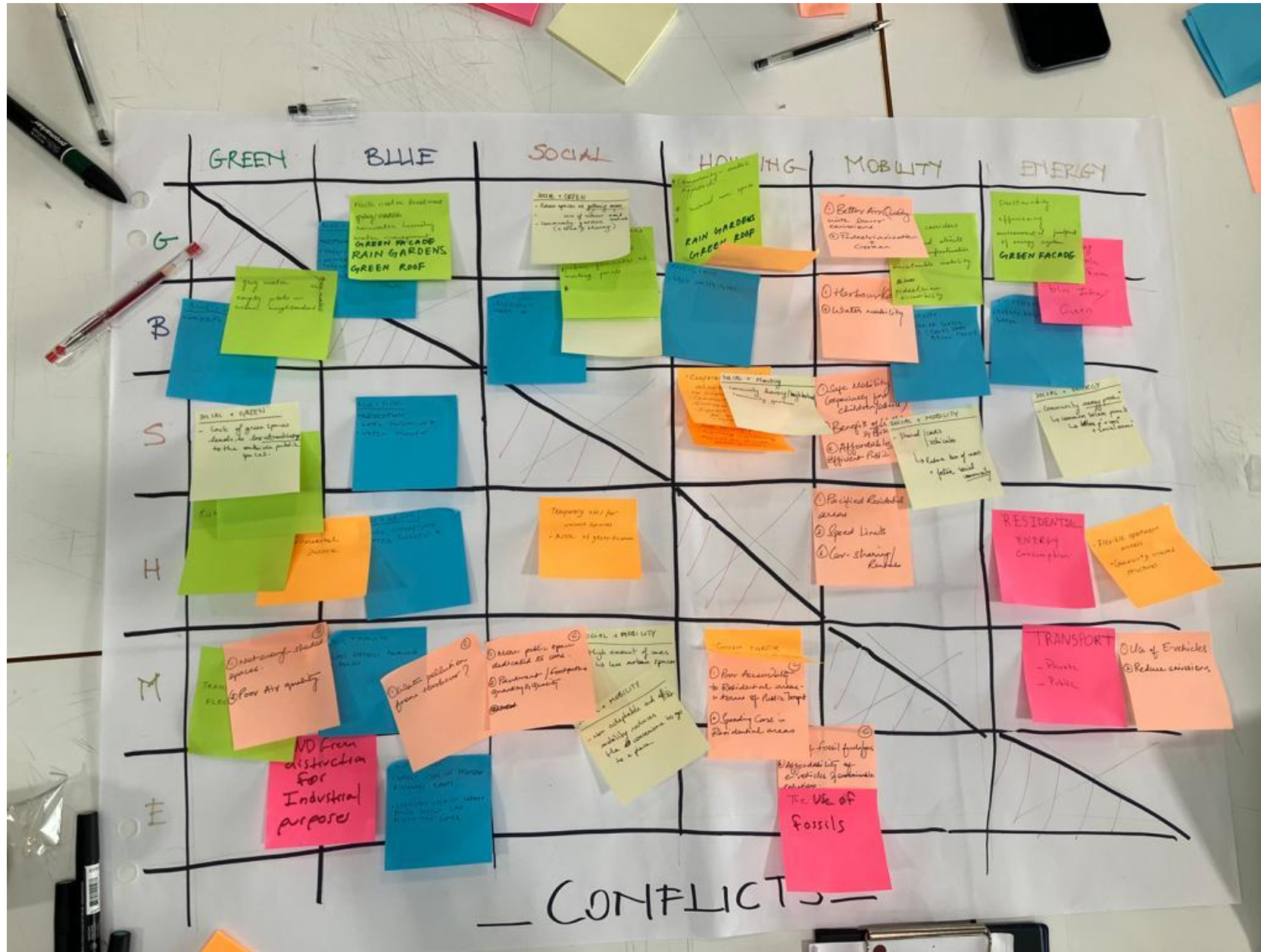


# Task 2

## Synergy Oriented Methodology

1. Codesigning with Stakeholders
2. Existing Synergies on Pilot Site and Potential

# Matrix of Urban Infrastructure Synergies and Conflicts



# Valencia Strategy 2030 – Goals



Land-use planning and rational land use, conservation and protection



Avoid urban sprawl and revitalize the existing city



Preventing and reducing the effects of climate change and improving resilience



Sustainable resource management and fostering circular economy



Promoting proximity and sustainable mobility



Promoting social cohesion and seeking equity



Promoting and fostering Urban Economy



Ensuring access to housing



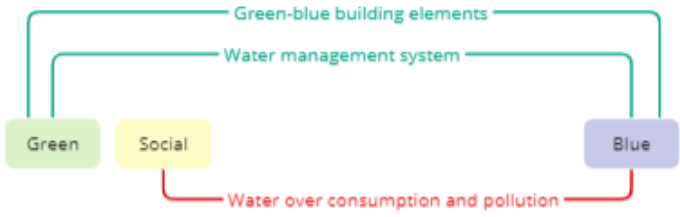



Leading and fostering digital innovation



Improving intervention tools and governance

Sr. No.	Valencia Goals Strategy 2030	Urban Infrastructures	Quantitative Indicators	Qualitative Indicators
1	Land-use planning and rational land use, conservation and protection		<ol style="list-style-type: none"> <li>1. Ground Floor Utilization Rate</li> <li>2. Canal Renaturation Length</li> </ol>	<ol style="list-style-type: none"> <li>1. social equity</li> <li>2. Social inclusivity</li> <li>3. cultural and recreational impacts</li> </ol>
2	Promoting social cohesion and seeking equity		<ol style="list-style-type: none"> <li>1. Length of waterfront (in km)</li> <li>2. Ratio of open spaces per capita</li> <li>3. No. of Gathering spaces for social activities</li> </ol>	<ol style="list-style-type: none"> <li>1. Safety and Comfort</li> <li>2. Accessibility</li> <li>3. Social interaction</li> </ol>
3	Avoid urban sprawl and revitalize the existing city			
4	Promoting and fostering Urban Economy			



Sr. No.	Valencia Goals Strategy 2030	Urban Infrastructures	Quantitative Indicators	Qualitative Indicators
5	Preventing and reducing the effects of climate change and improving resilience		<ul style="list-style-type: none"> <li>• The amount of water that is reused in litres</li> <li>• No. of green buildings infrastructures</li> <li>• Efficiency of green building infrastructures</li> </ul>	<ol style="list-style-type: none"> <li>1. Perceptions of water quality</li> <li>2. Resilience and flooding</li> <li>3. health and well-being</li> </ol>
6	Ensuring access to housing		<ul style="list-style-type: none"> <li>• How many new housing spaces are provided</li> <li>• Number of social housings available</li> </ul>	<ol style="list-style-type: none"> <li>1. Affordability</li> <li>2. living comfort</li> </ol>
7	Sustainable resource production/management and fostering circular economy		<ul style="list-style-type: none"> <li>• Amount of energy that is produced in kW/h</li> <li>• The amount of water that is saved in litres</li> </ul>	<ul style="list-style-type: none"> <li>• Residents satisfaction about resources/ economy savings</li> </ul>
8	Leading and fostering digital innovation		<p style="text-align: right;">Dilara Uçar</p>	

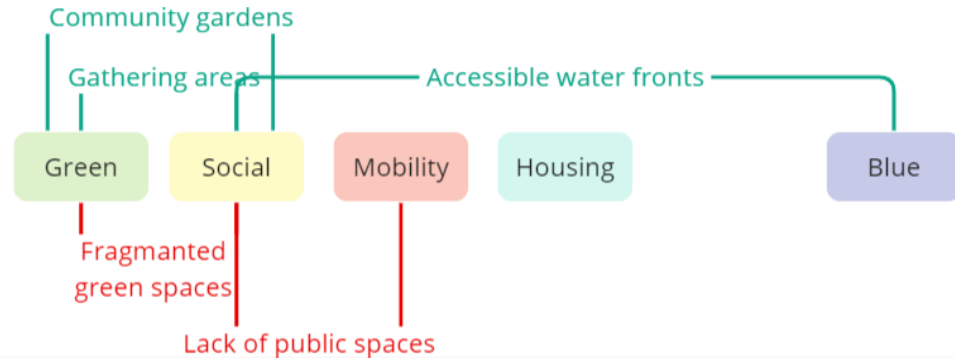
Sr. No.	Valencia Goals Strategy 2030	Urban Infrastructures	Quantitative Indicators	Qualitative Indicators
9	Promoting proximity and sustainable mobility		<ul style="list-style-type: none"> <li>• The amount of travel time saved by creating new communications</li> <li>• Percentages of green corridors</li> <li>• Length of bicycle lanes</li> </ul>	<ul style="list-style-type: none"> <li>• Accessibility to public transportation</li> </ul>
10	Improving intervention tools and governance		<ul style="list-style-type: none"> <li>• Level of participation</li> <li>• Creation of accurate policies</li> </ul>	
11	GHGs reduction & Carbon Neutrality		<ol style="list-style-type: none"> <li>1. GHG Emissions in million tonnes CO2e</li> <li>2. Miles driven by vehicles</li> <li>3. Fuel consumption by vehicles Litres/ KM</li> </ol>	<ol style="list-style-type: none"> <li>1. Impact on local economy</li> <li>2. Perceived air quality</li> <li>3. Public awareness</li> </ol>



75/100%

# Goal 2: Promoting social cohesion and seeking equity

## Synergies:



## Before:

### Quantitative Indicators:

- |   |            |
|---|------------|
| 1.Length of waterfront (in km)                  | 10%        |
| 2.Ratio of open spaces per capita               | 3sqm       |
| 3.No. of Gathering spaces for social activities | xx for 5Ha |

### Qualitative Indicators:

- |                      |           |
|----------------------|-----------|
| 1.Safety and Comfort | ● ● ○ ○ ○ |
| 2.Accessibility      | ● ○ ○ ○ ○ |
| 3.Social interaction | ● ● ○ ○ ○ |

## After:

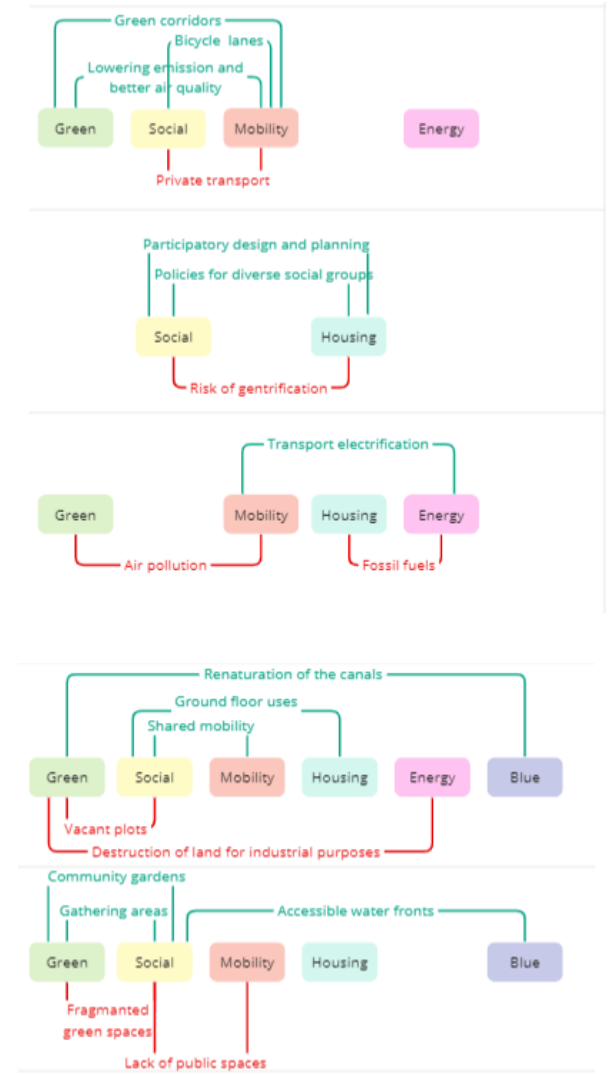
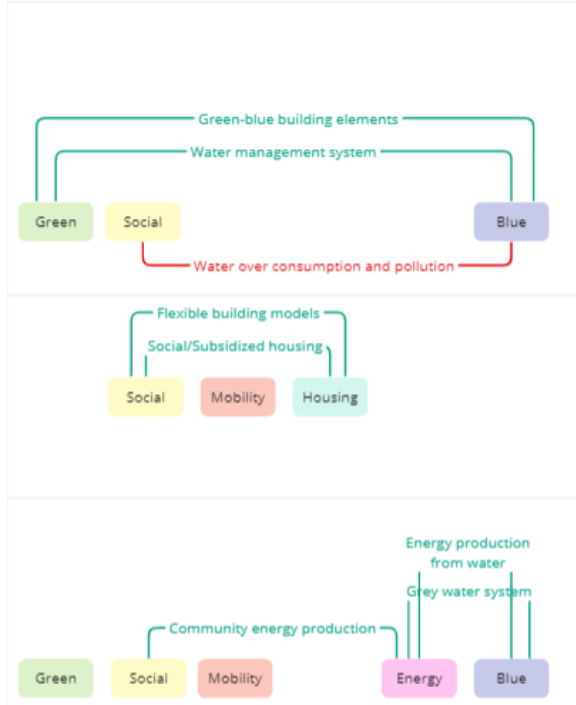
### Quantitative Indicators:

- |   |            |
|---|------------|
| 1.Length of waterfront (in km)                  | 60%        |
| 2.Ratio of open spaces per capita               | 10sqm      |
| 3.No. of Gathering spaces for social activities | xx for 5Ha |

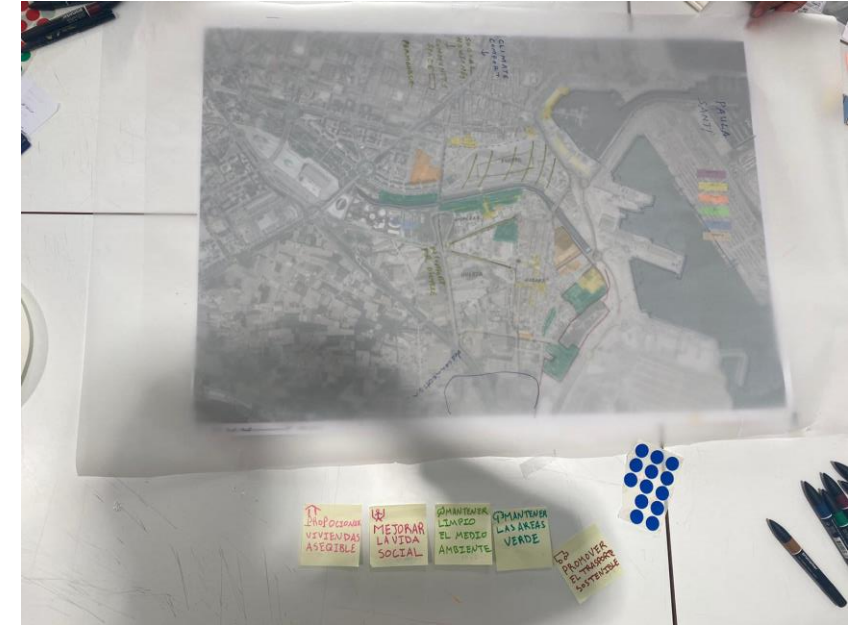
### Qualitative Indicators:

- |                      |           |
|----------------------|-----------|
| 1.Safety and Comfort | ● ● ● ● ○ |
| 2.Accessibility      | ● ● ● ● ○ |
| 3.Social interaction | ● ● ● ○ ○ |

# Synergies + Indicators + Spatial Actions



# Stakeholder Workshop



# Persona and User Groups



*"Bad reputation...some activities – it's a reality"*

*"People in Nazaret are forced to move out because of high rents"*

*"Many used shops are used as Storage spaces in Nazaret"*

*"In Nazaret, there are streets I don't go in, but the rest of the neighbourhood is good"*

*"Nobody crosses the harbour walls, its like a dead end"*

*"Neighbourhood is not accessible, its isolated"*

*"We are missing good support from government for the worker in la huerta"*

*"A lot of tourists/people are coming from outside, increasing prices"*

*"You can smell the oil from the big ships, there is pollution"*

*"Need change rapido"*

*"New road proposed from south of La Punta to the Port, it will bring more cars/traffic to the peaceful area"*

*"It is unrealistic to think about breaking down the walls"*

*"Avoid building on La Huerta"*

*"Cover all of the harbour with solar panels and generate eletricity"*

*"Nazaret people have been living there for centuries"*

# Simplification of Valencia Strategy 2030 Goals

## KEEP AREAS GREEN (1)



Land-use planning and rational land use, conservation and protection

## PROMOTE SUSTAINABLE TRANSPORT (9)



Promoting proximity and sustainable mobility

## IMPROVE SOCIAL LIFE (2+10)



Promoting social cohesion and seeking equity



Improving intervention tools and governance

## KEEP THE ENVIRONMENT CLEAN (5+7+11)



Preventing and reducing the effects of climate change and improving resilience



Sustainable resource management and fostering circular economy



GHGs reduction and carbon neutrality

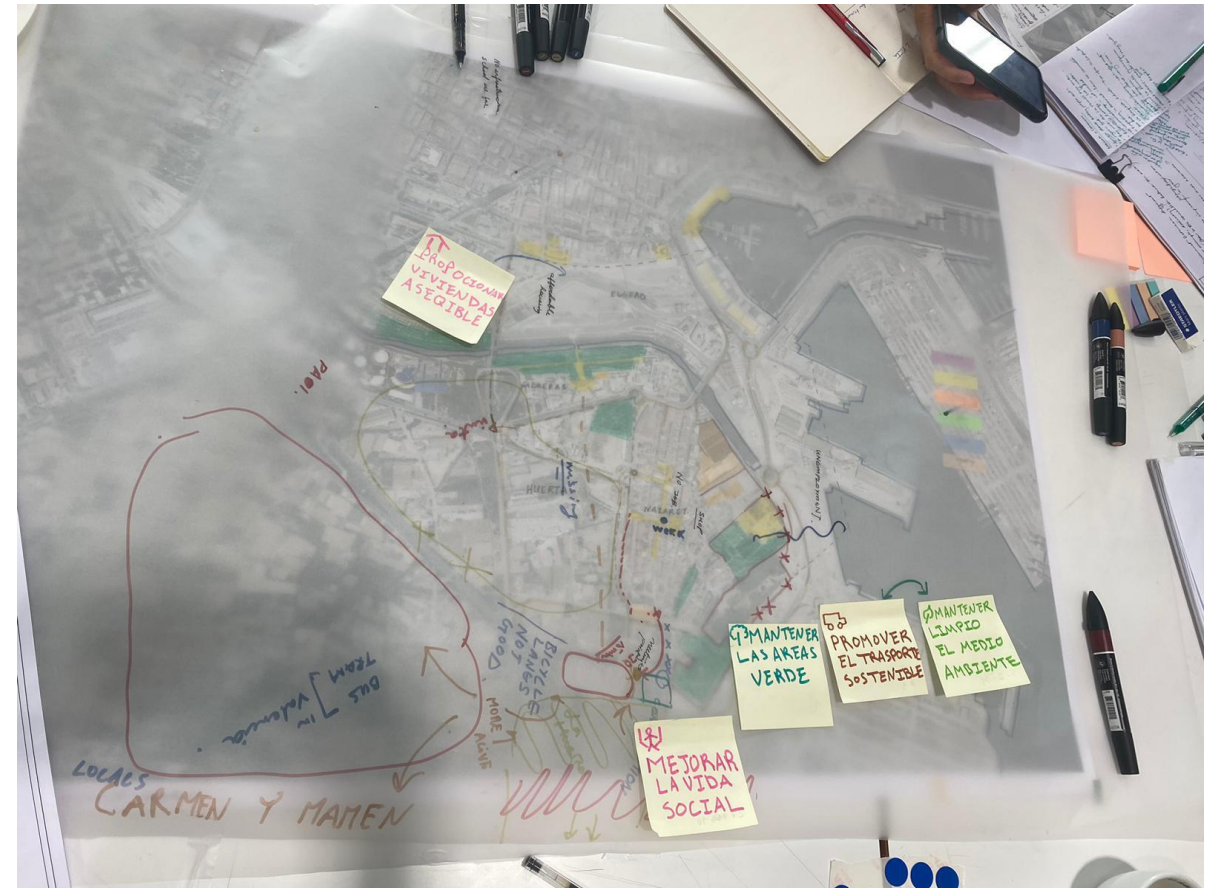
## PROVIDE AFFORDABLE HAUSING (6)



Ensuring access to housing



# Stakeholder Workshop – Aspirations of the User Groups



# Locals and Experts impression



KEEP AREAS GREEN (1)



IMPROVE SOCIAL LIFE (2+10)



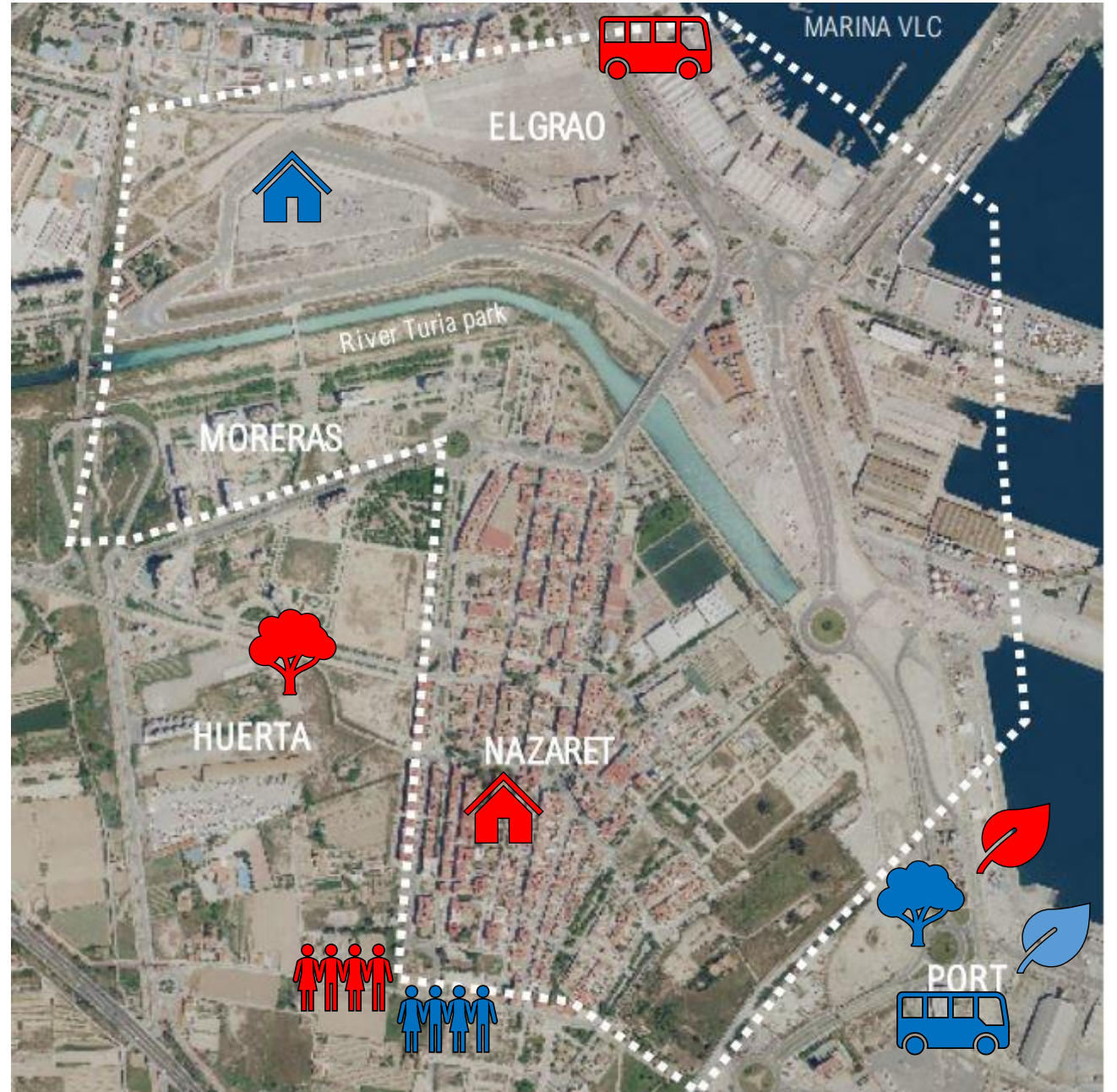
PROVIDE AFFORDABLE HAUSING (6)



KEEP THE ENVIRONMENT CLEAN (5+7+11)



PROMOTE SUSTEINABLE TRANSPORT (9)



# Existing Synergies on Site and Synergy Potential

## Legend:

G-Green Infra

B-Blue Infra

M-Mobility Infra

H-Housing Infra

E-Energy Infra

+ - Potential Synergy



# Goal: Improve Social Life

Area: El Grau-Moreras

Key Strategy: Accessibility of Waterfront



Before:


Synergy:




Quantitative Indicators:

- |   |            |
|---|------------|
| 1.Length of accessible waterfront (in km)       | 10%        |
| 2.Ratio of open spaces per capita               | 3sqm       |
| 3.No. of Gathering spaces for social activities | xx for 5Ha |


Qualitative Indicators:

- |                      |  |
|----------------------|--|
| 1.Safety and Comfort |  |
| 2.Accessibility      |  |
| 3.Social interaction |  |

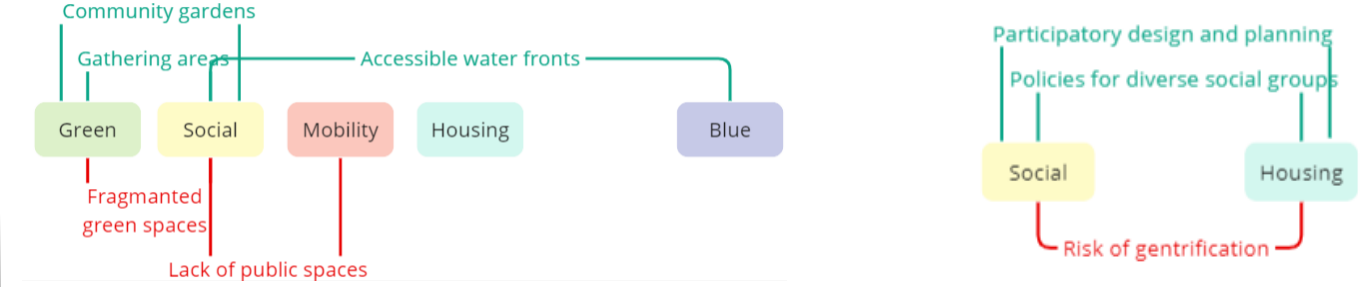
Goals: 2

 Promoting social cohesion and seeking equity

10

 Improving intervention tools and governance

Synergies:



After:




Synergy Potential:



Quantitative Indicators:

- |   |            |
|---|------------|
| 1.Length of waterfront (in km)                  | 60%        |
| 2.Ratio of open spaces per capita               | 10sqm      |
| 3.No. of Gathering spaces for social activities | xx for 5Ha |

Qualitative Indicators:

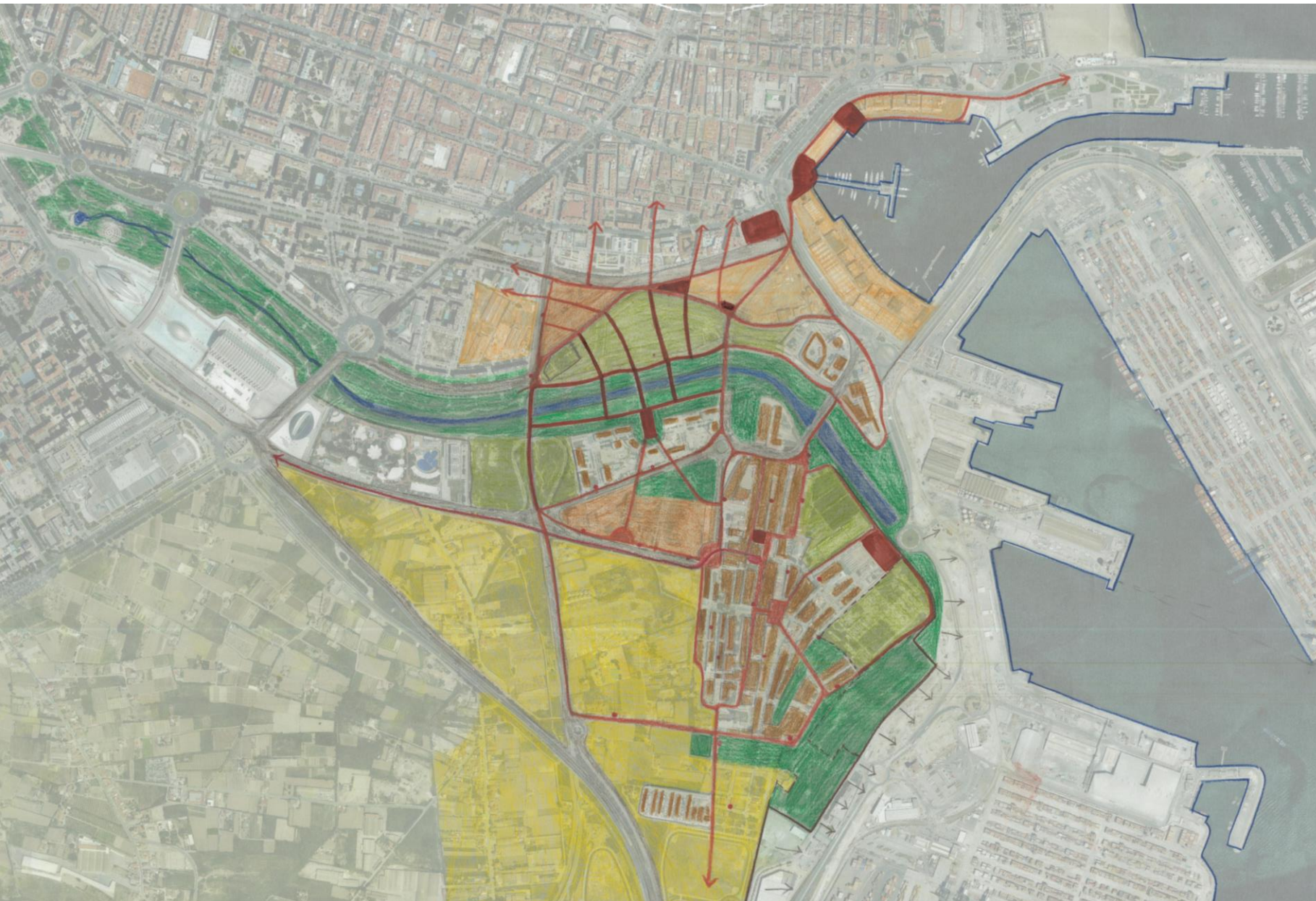
- |                      |   |
|----------------------|---|
| 1.Safety and Comfort |  |
| 2.Accessibility      |  |
| 3.Social interaction |  |

# Task 3

## Spatial Strategy - SynergyScape: Connecting Communities

1. Spatial Strategy & Vision
2. Why start with El Grau?
3. Timeline of Strategies
4. Conclusion & Further Reflection on Methodology

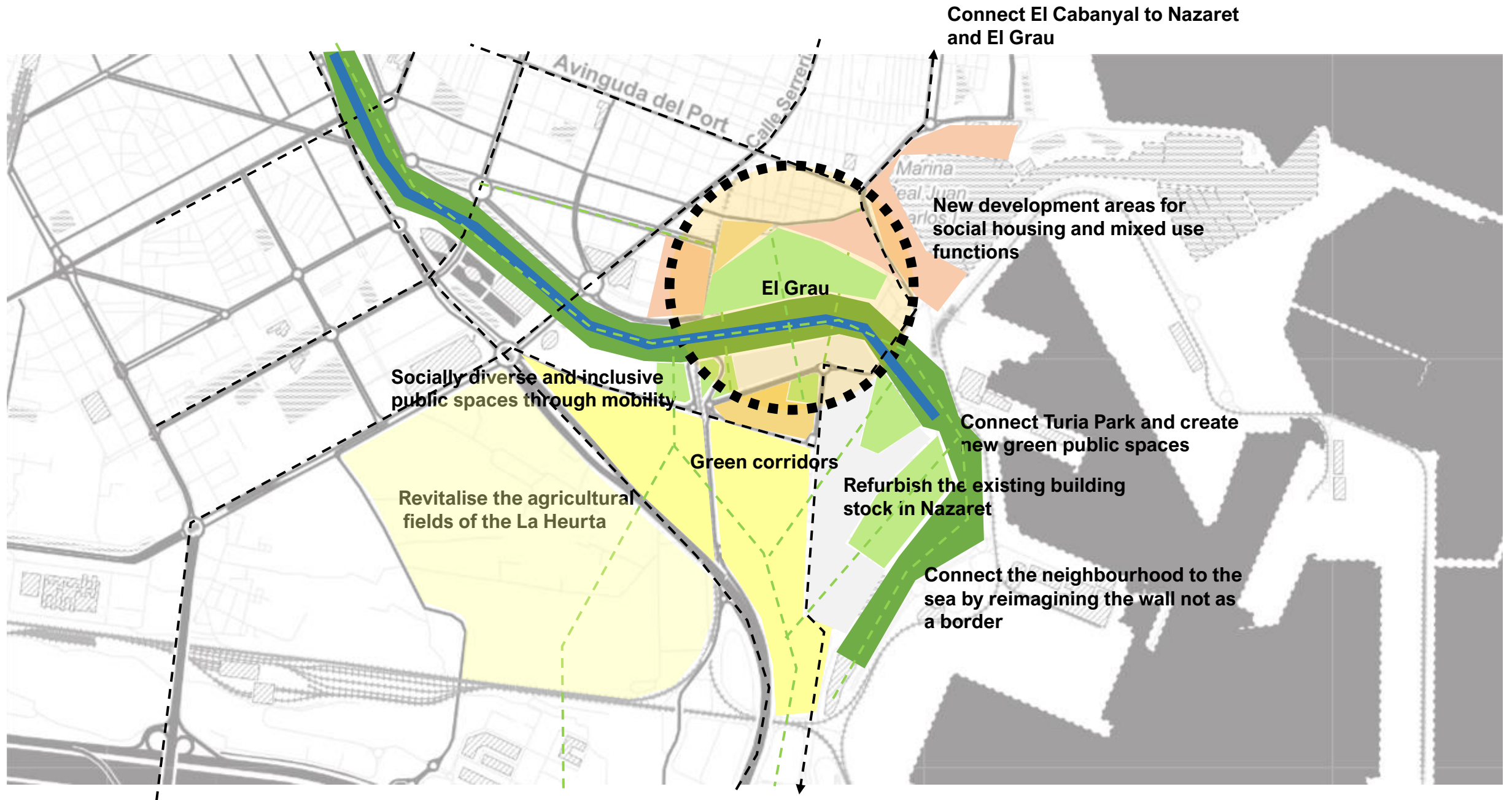
# Spatial Strategy



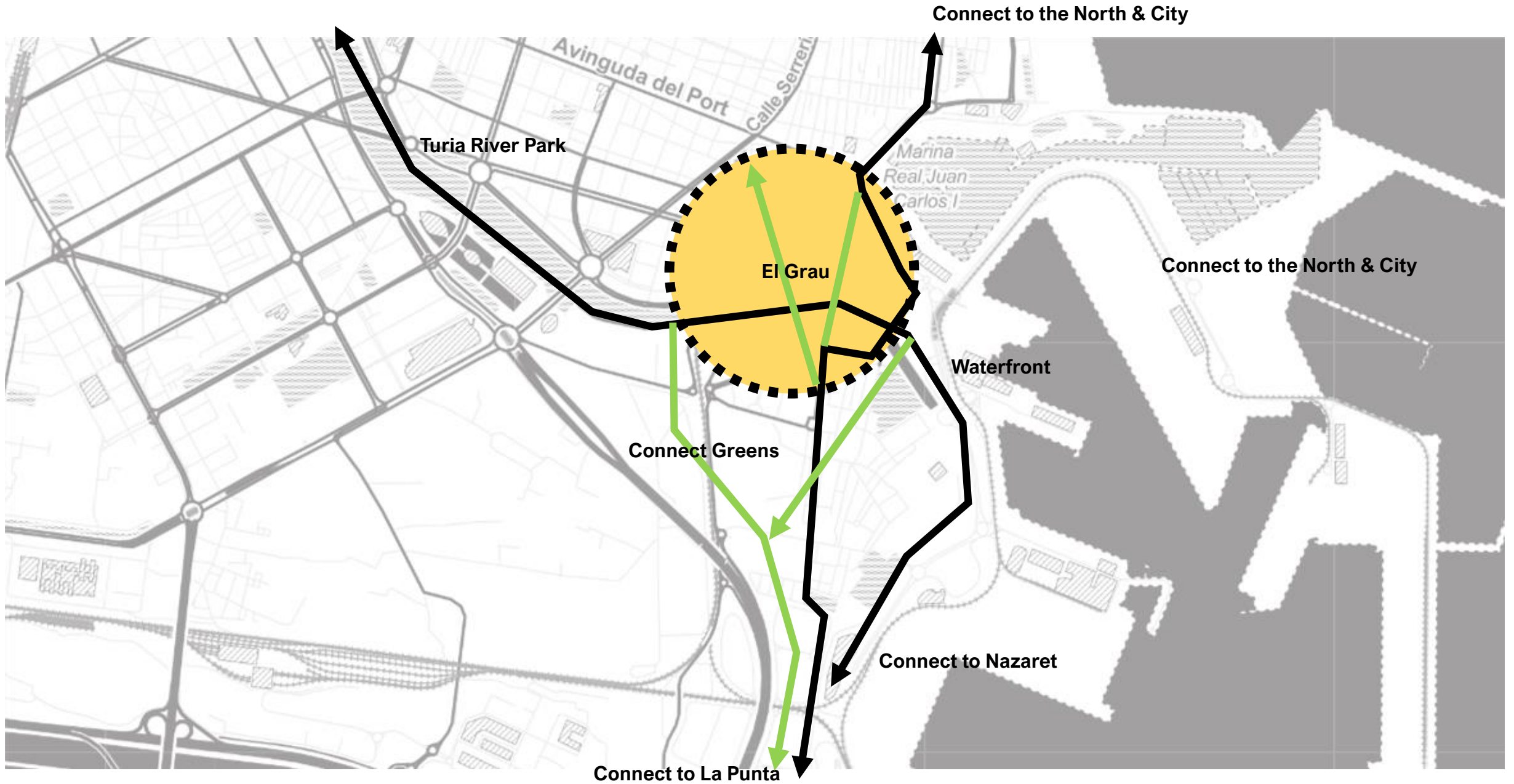
## Strategies:

- **Connect El Cabanyal to Nazaret and El Grao**
- **Refurbish the existing building stock in Nazaret**
- **Connect Turia Park and create new green public spaces**
- **Socially diverse and inclusive public spaces through mobility**
- **Revitalise the agricultural fields of the La Heurta**
- **New development areas for social housing and mixed use functions**
- **Connect the neighbourhood to the sea by reimagining the wall not as a border**
- **Propose energy communities**
- **Green corridors**
- **Connection with the Natural Park of Al Bufera**

# SynergyScape: Connecting Communities

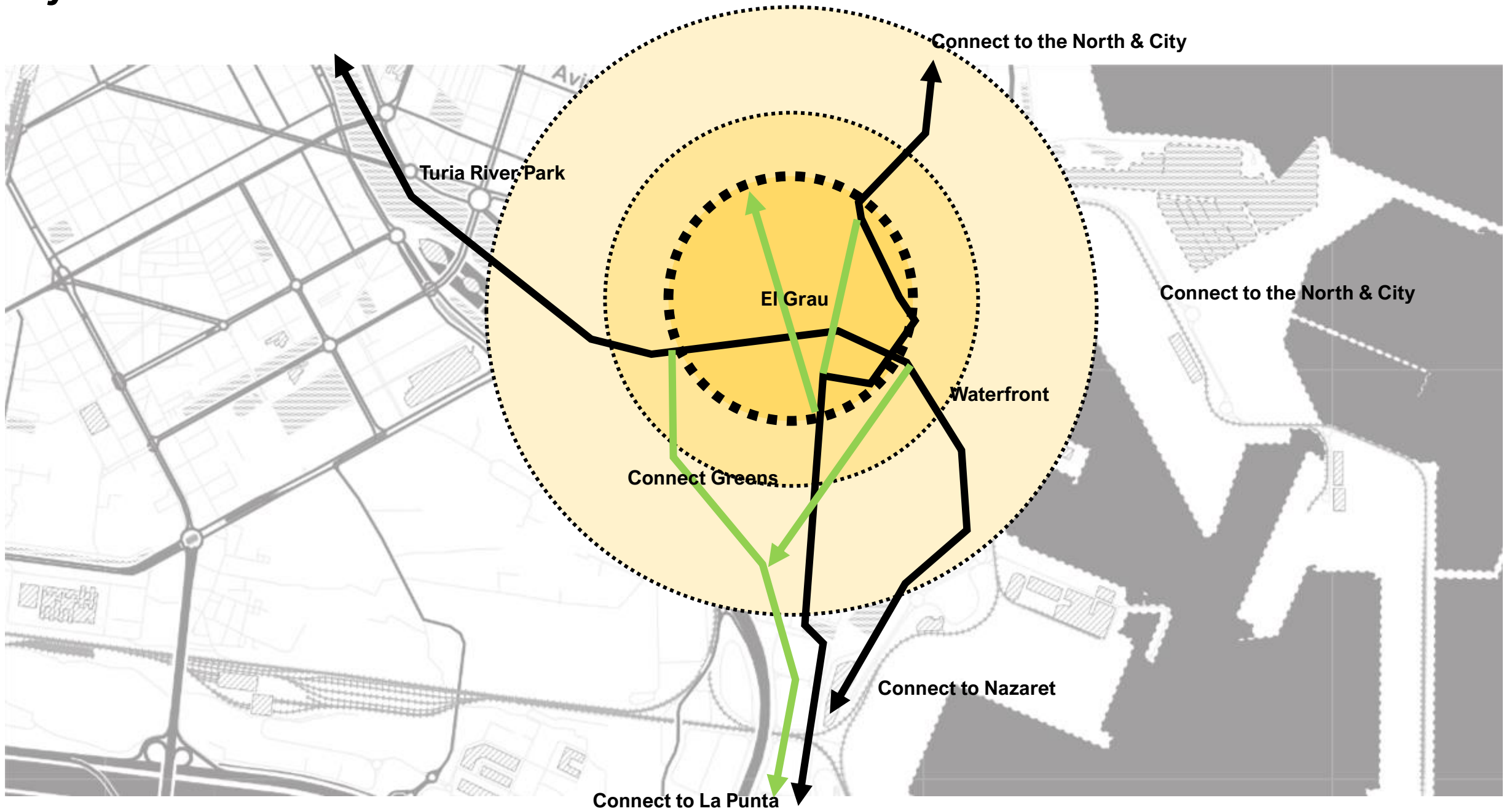


# Why El Grau?

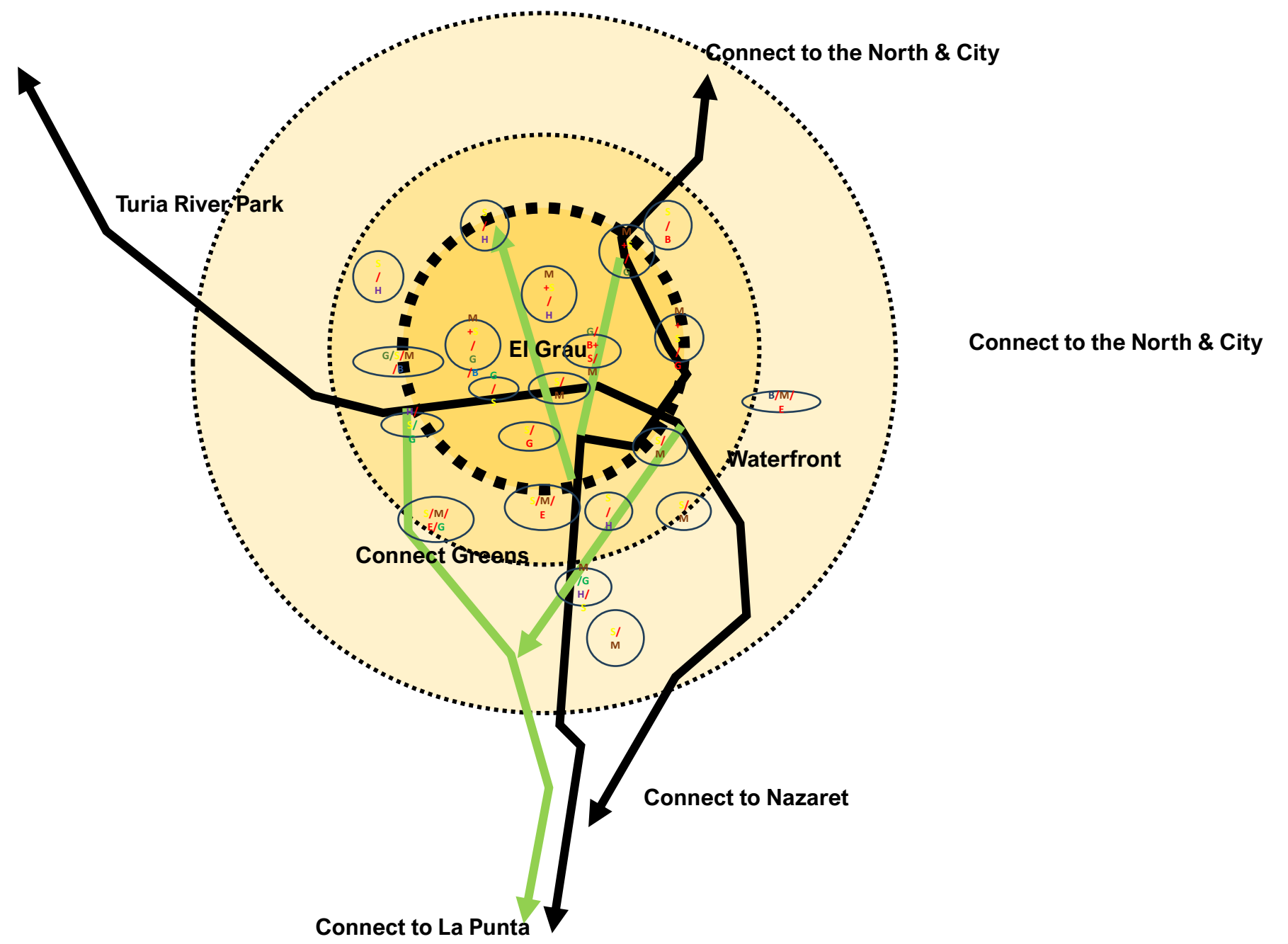




# Why El Grau?



# Why El Grau?





# IMAGINATIONS



# IMAGINATIONS



# IMAGINATIONS



# IMAGINATIONS



# IMAGINATIONS



Google Earth

Image Landsat / Copernicus

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

200 ft



# IMAGINATIONS



Google Earth

# IMAGINATIONS

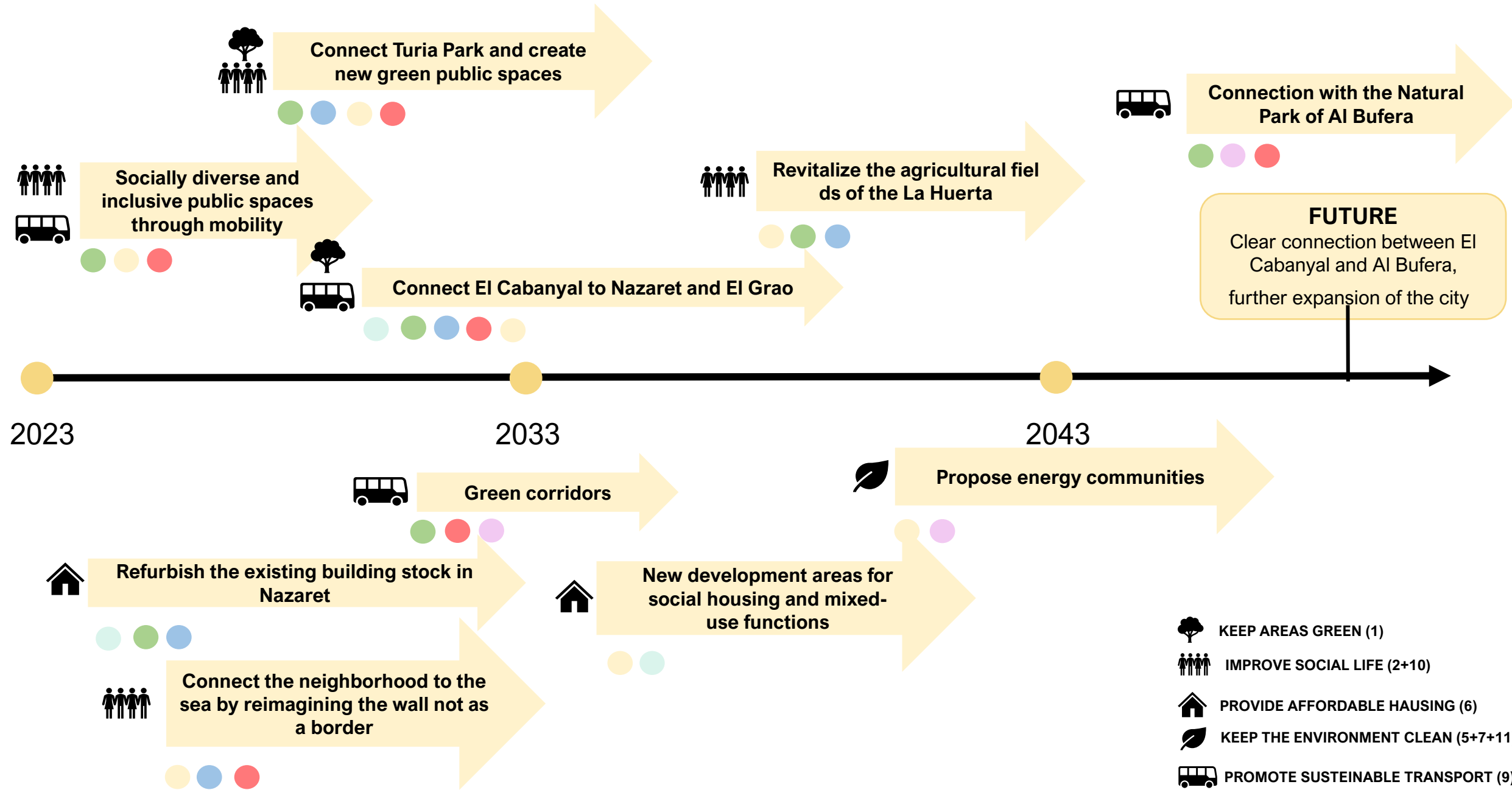


# Spatial Strategy

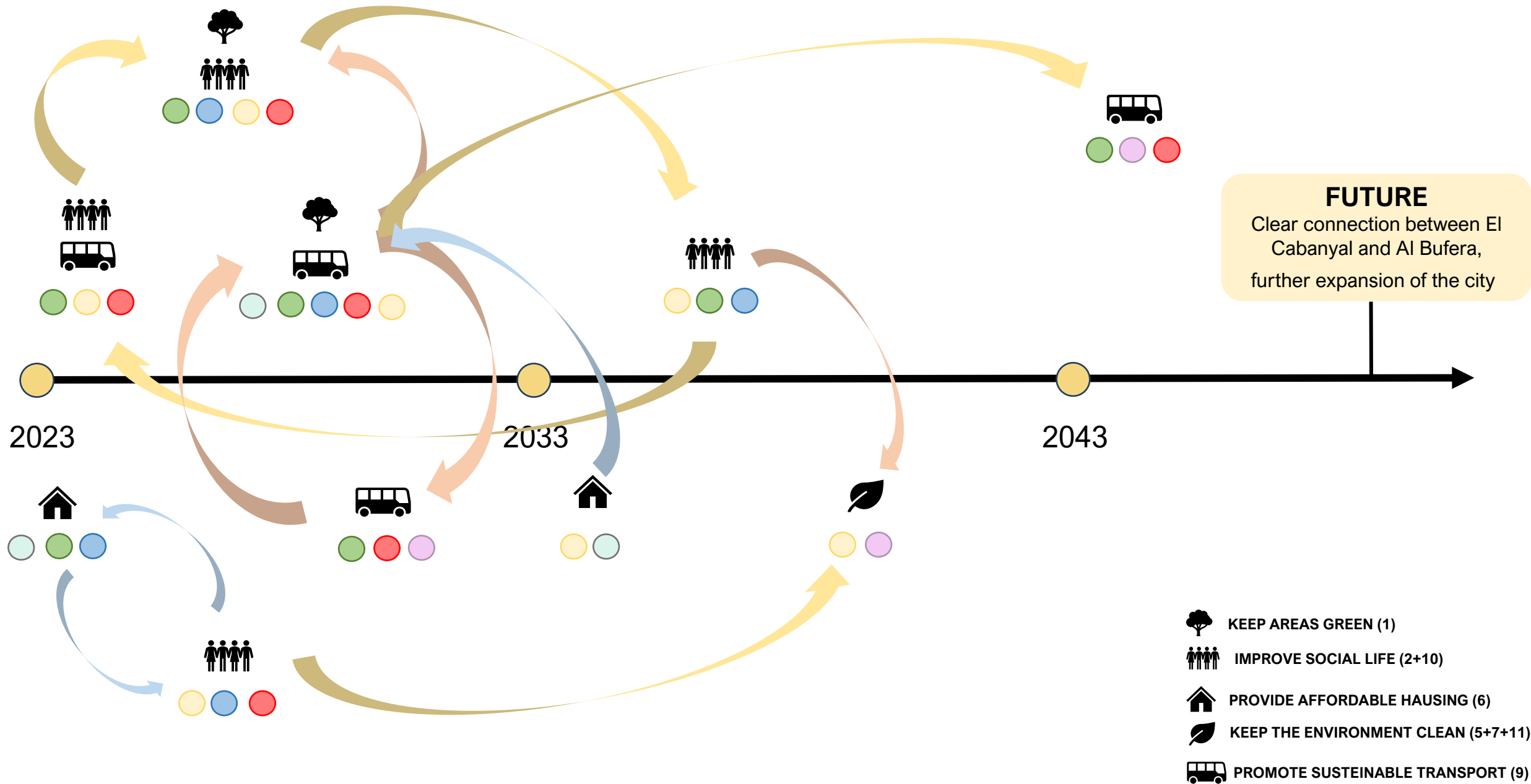


# Strategies Timeline - SynergyScape: Connecting Communities

- Green
- Social
- Mobility
- Housing
- Energy
- Blue



# Circular strategy - SynergyScape: Connecting Communities

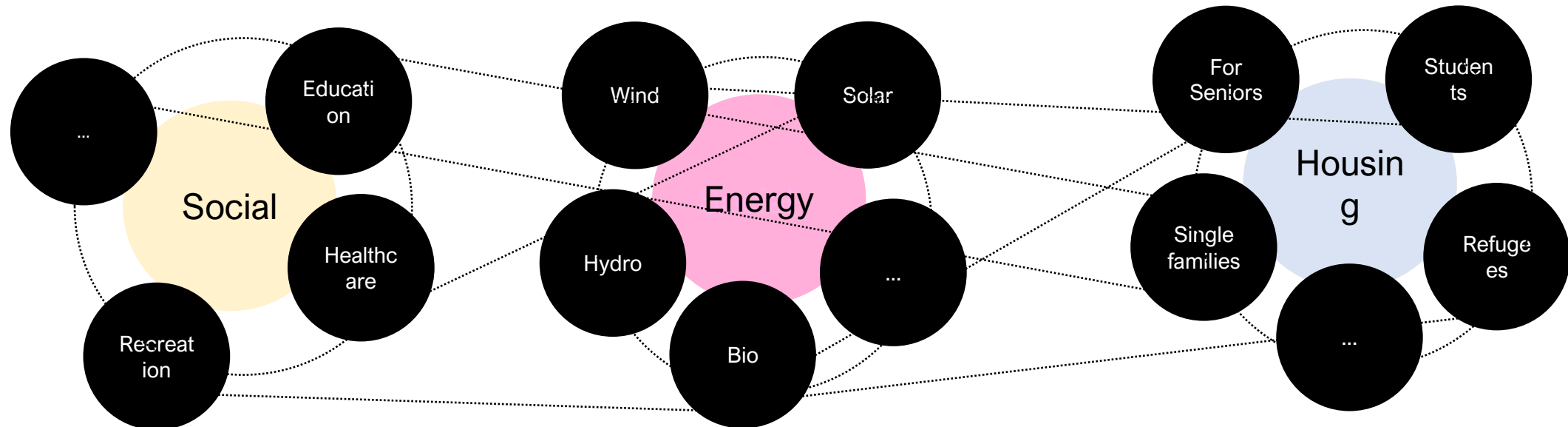


# Conclusion: What does this site mean for the city of Valencia?

- Creating a continuity of green spaces - extend the Turia Park
- More access to the sea
- Fostering diversity and inclusivity by integrating communities
- Better Connectivity to the city centre and within neighbourhoods
- More diverse affordable housing stock
- Sensibilise Communities towards renewable energies

# Reflections:

- **We like the Synergy Method!**
- **It appears that the solution we developed is very diverse, multi-use, mixed use..**
- **Maybe this is a new method to designing better mixed-use urban planning strategies**
  
- **What would we do if we had more time?**
- Explore synergies within different urban infrastructures and their interaction with different infrastructures



# Thank you!