

Portfolio

[individual]

[communities]

[society]

XINZHU HU

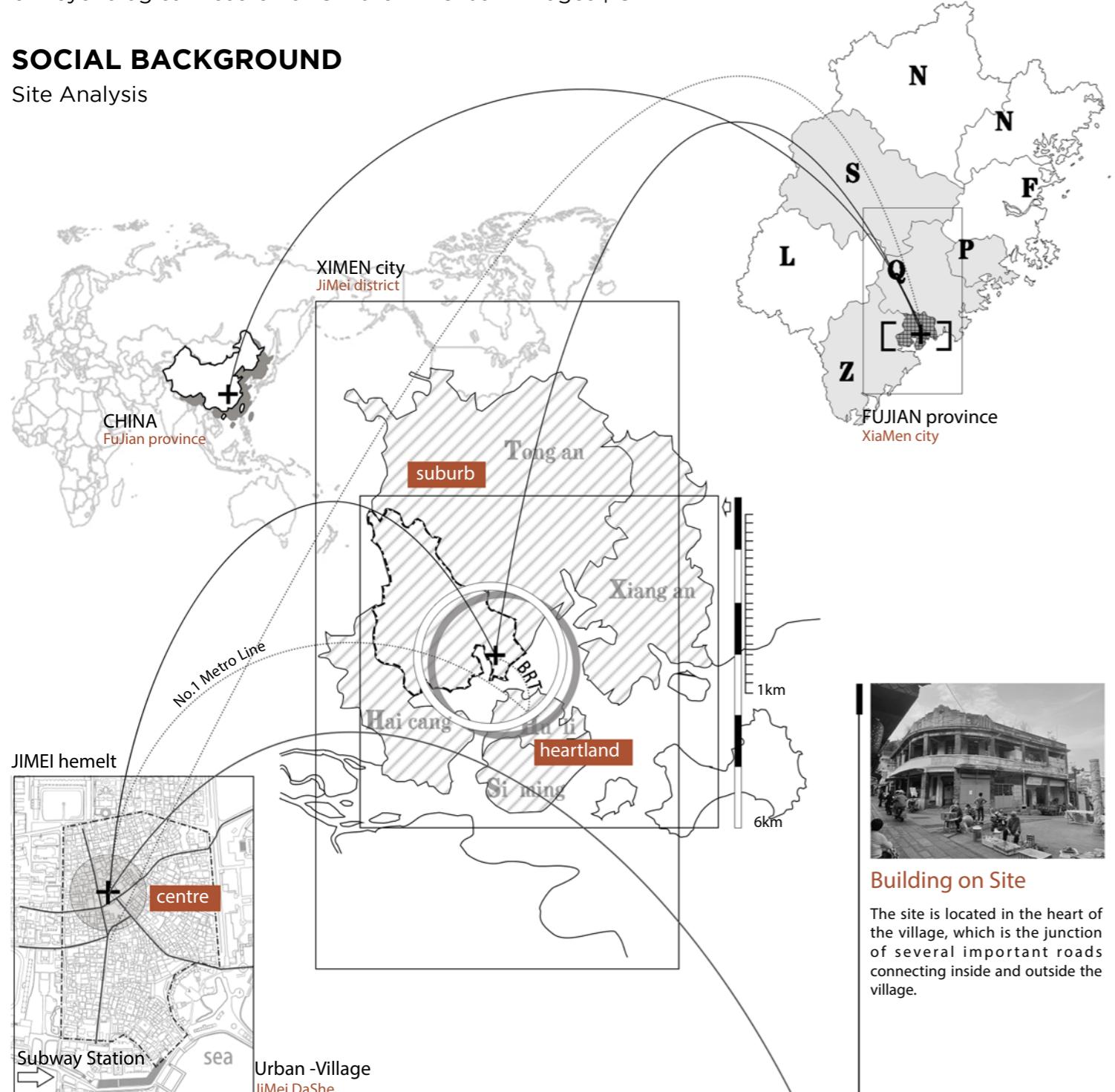
Selected Works : 2018-2024

Apply for Data Visualisation Reporter, London

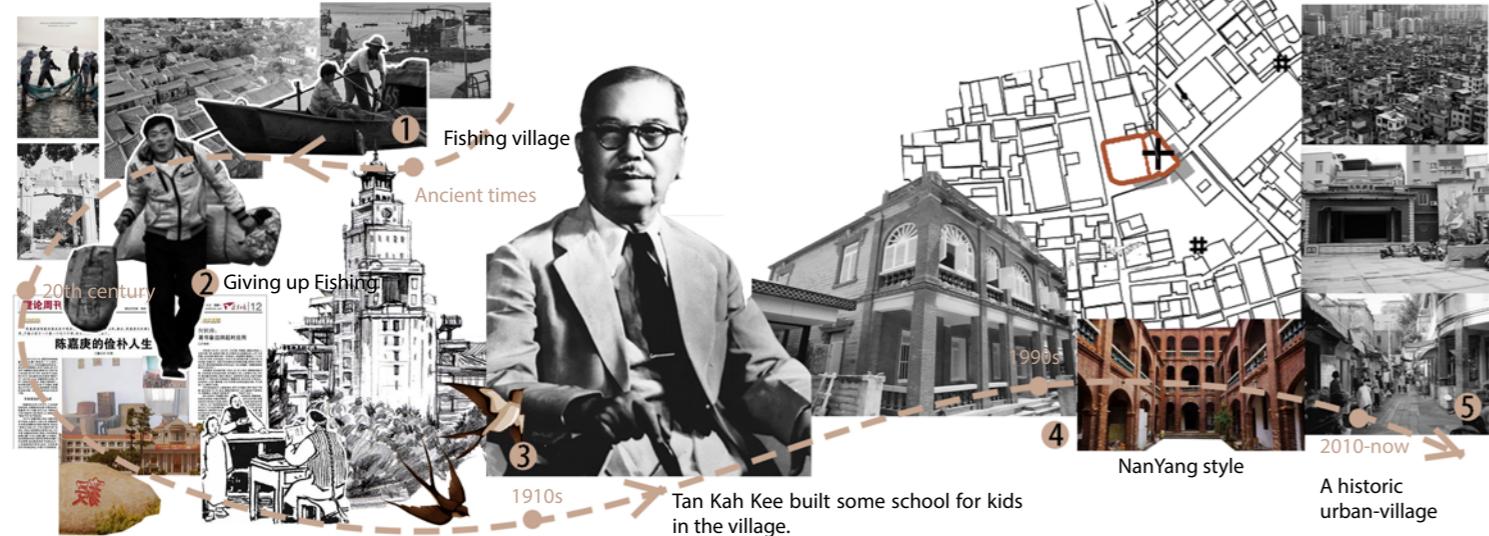
Bloomberg

SOCIAL BACKGROUND

Site Analysis

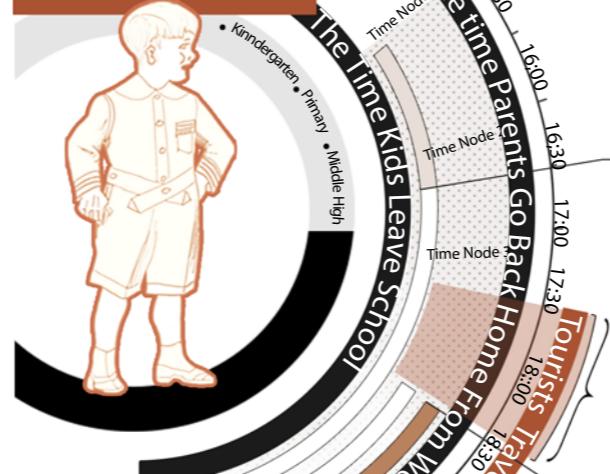
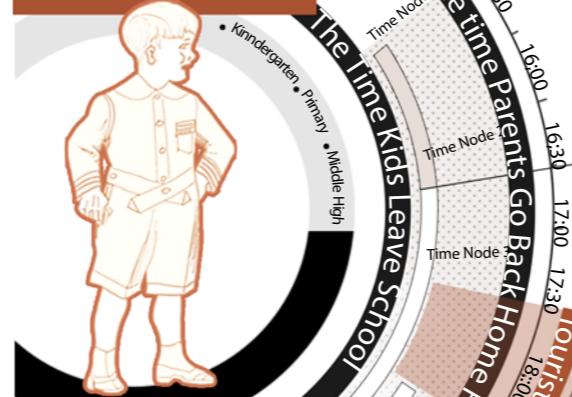


HISTORY ANALYSIS



Prior Analysis

RESEARCH FACTOR ANALYSIS FOR CHILDREN



Legend in Circle

- Period kids outside the school and home
- Time quantum A parents go home
- Time quantum B parents go home
- Time quantum C parents go home
- Period kids are most dangerous
- Peak of tourist coming here

9% Before 17:00

36% Kids
Elders
Uni-students

64% Permanent Population



Due to the lack of formal learning places in the village, children can only stay in some social places during the regulation gap.

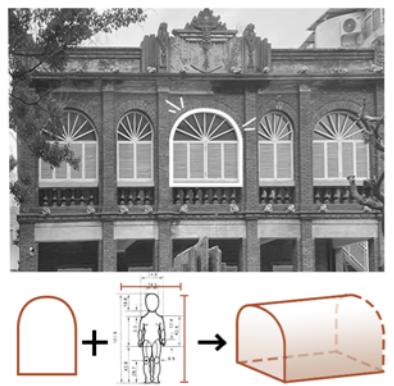
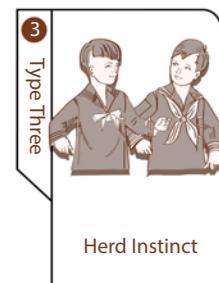
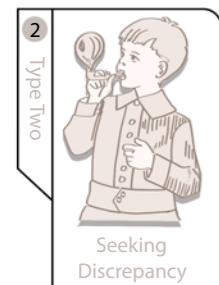
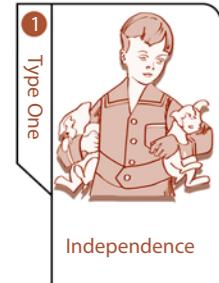
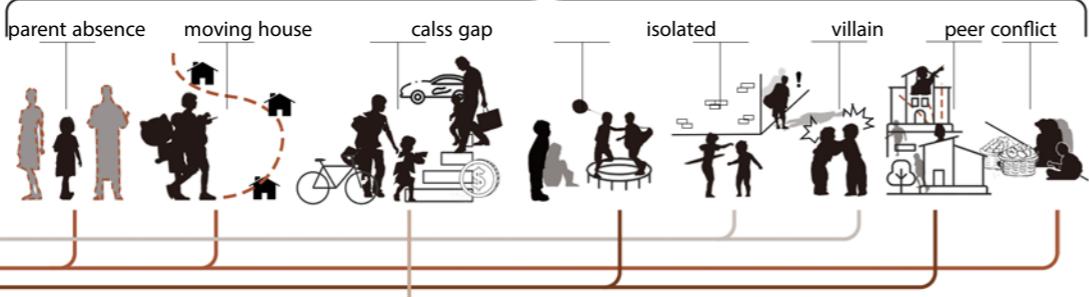
REGULATORY



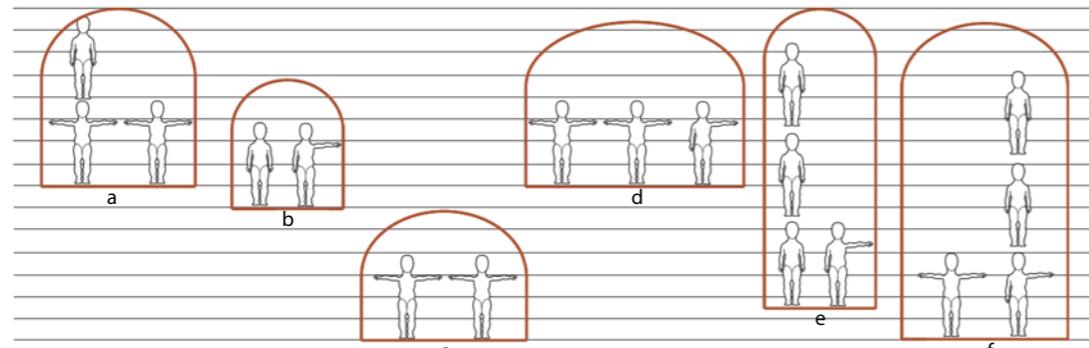
01 Psychological Research of Children in Urban Villages | CHINA

SPACE ISSUE

Child Psychological Types

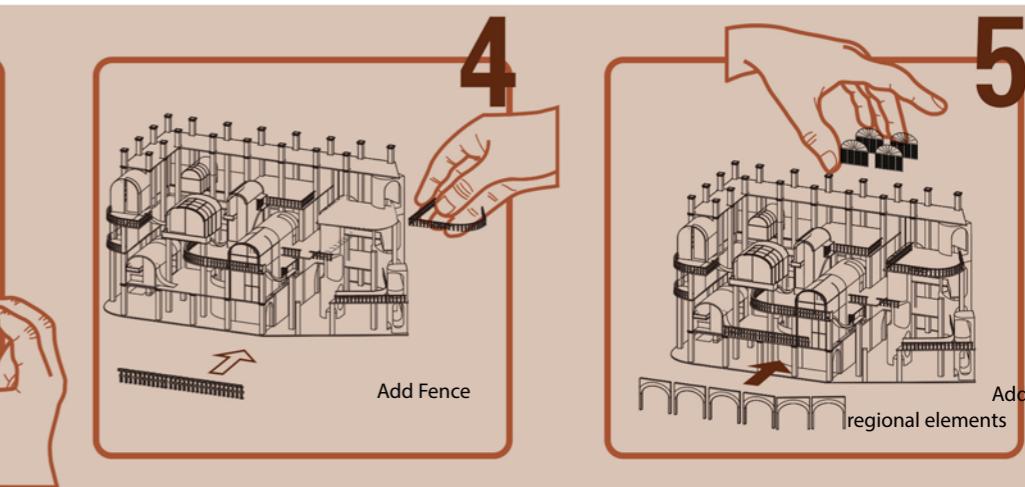
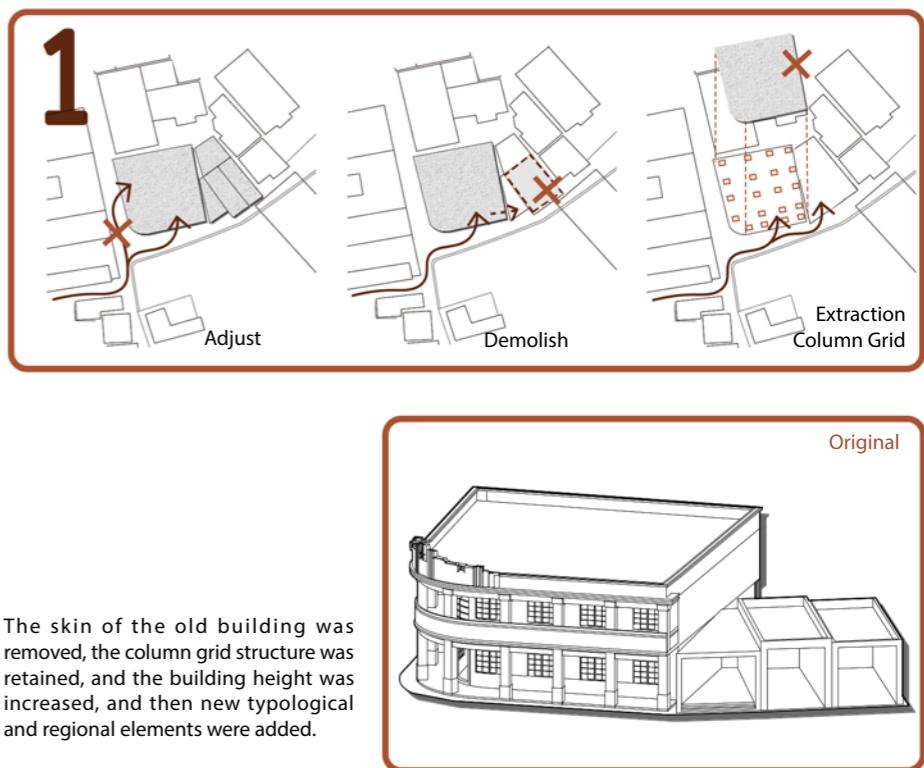
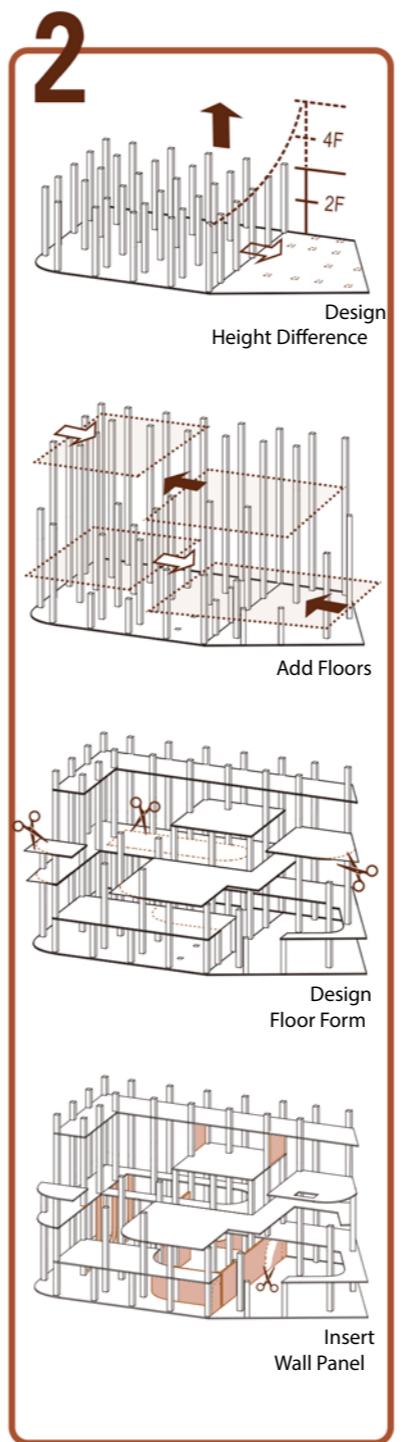


The arched elements are pushed and pulled according to the ergonomics of children.



Box has a total of 6 scales, which are suitable for single, double and multi-person use, so as to meet the needs of children with different heart types.

Remodeling of Old Building Space



02 Survey of Artists' Working Environment | LONDON

SOCIAL BACKGROUND

Site Analysis

East London Line (now)

London Underground extension project extends Old East London north to south. Some remaining sites were left in the course of the extension project.



Status of Survival

Poor Environment in East End of London Because of Industrialization.

Artists Came Here Because Low Rent.

London Began to Focus on Railway Construction.

As the Development of the Area, artists couldn't afford the Soaring Rent.

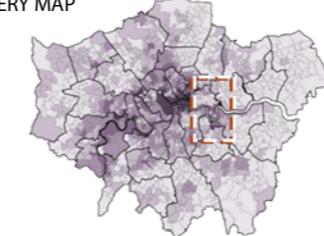
There are a few Places for Artists to Perform or Exhibit.

There Exist Many Leftover Space Around Railway.



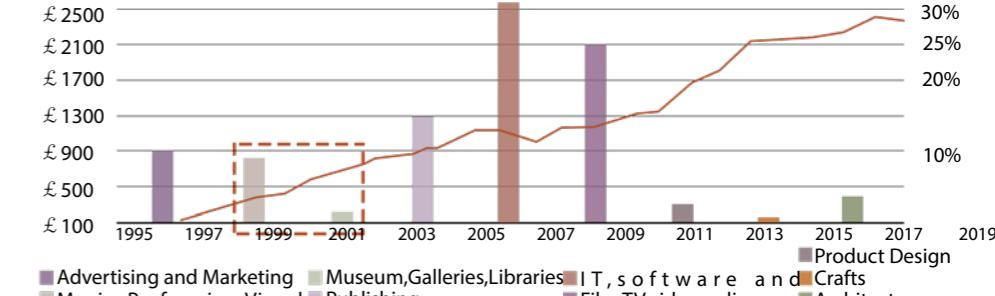
Finance Data Concerning Art Industry in London

GALLERY MAP

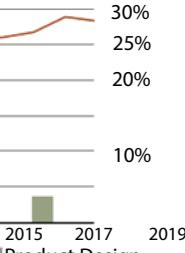


The map of the pavilions shows a smaller number of pavilions in East London. There is not enough space for the artwork to be exhibited.

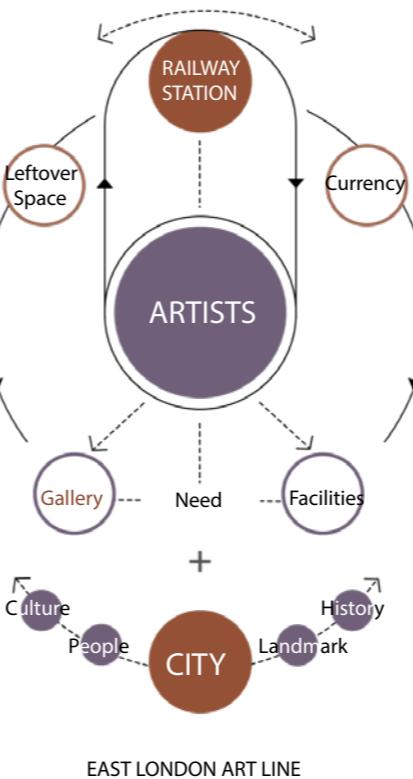
AVERAGE RENT DEVELOPMENT IN E-LONDON/MON



GVA ECONOMIC



CONCEPT ANALYSIS



The leftover space next to the railroad station can provide artists with the exhibition space they need, while the railroad station can bring a certain amount of foot traffic, and this can bring exposure to the art.

At the same time, the use of the remaining plots also revitalizes and regenerates the East London area to a certain extent, forming a line of art along the six dynamic points of the tube station.

Strategies

EXISTING LANDMARKS



Business area, Bar street



Whitechapel



Shadwell Basin



Dwelling District, Dockyard



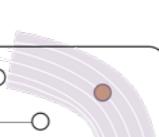
Water Sports Center



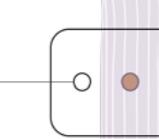
Origin of many Bands

EAST LONDON ART LINE

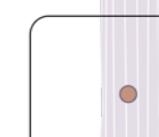
SURROUNDINGS OF SITES



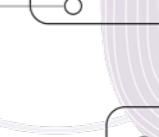
Shoreditch
Gallery+ BAR



Whitechapel
Gallery+ SHELTER



Shadwell
Gallery+ AUCTION HALL



Rotherhithe
Gallery+ PARK



Surrey Quay
Gallery+ STUDIO



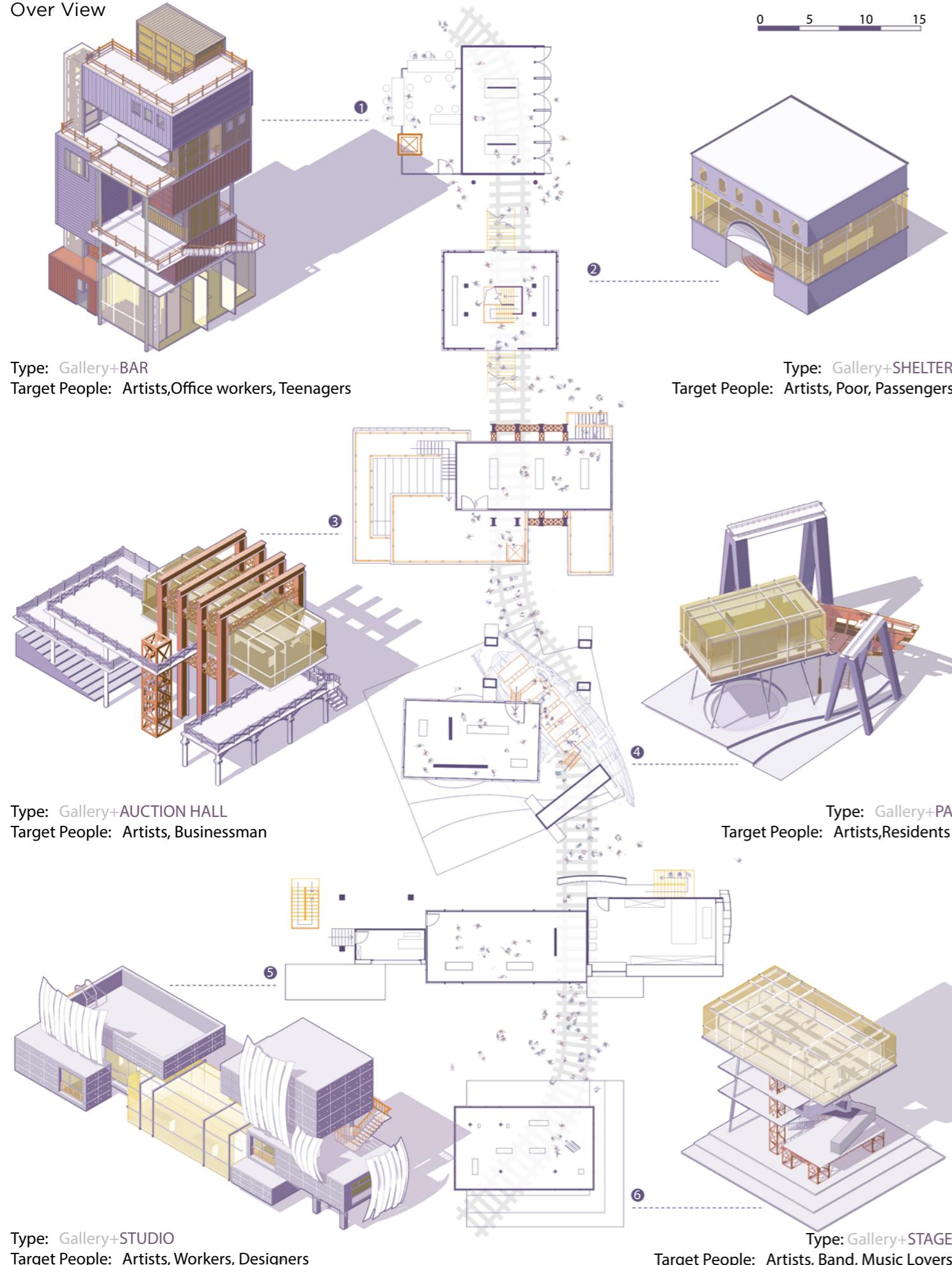
Newcross Gate
Gallery+ STAGE

EAST LONDON ART LINE

EAST LONDON ART LINE

SPACE TYPOLOGY

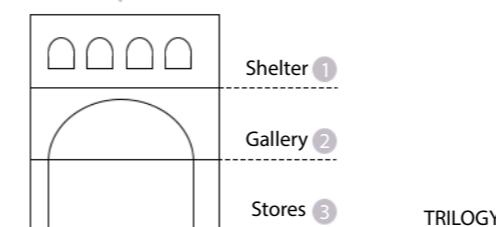
Over View



White Chaple Station Reconstruction

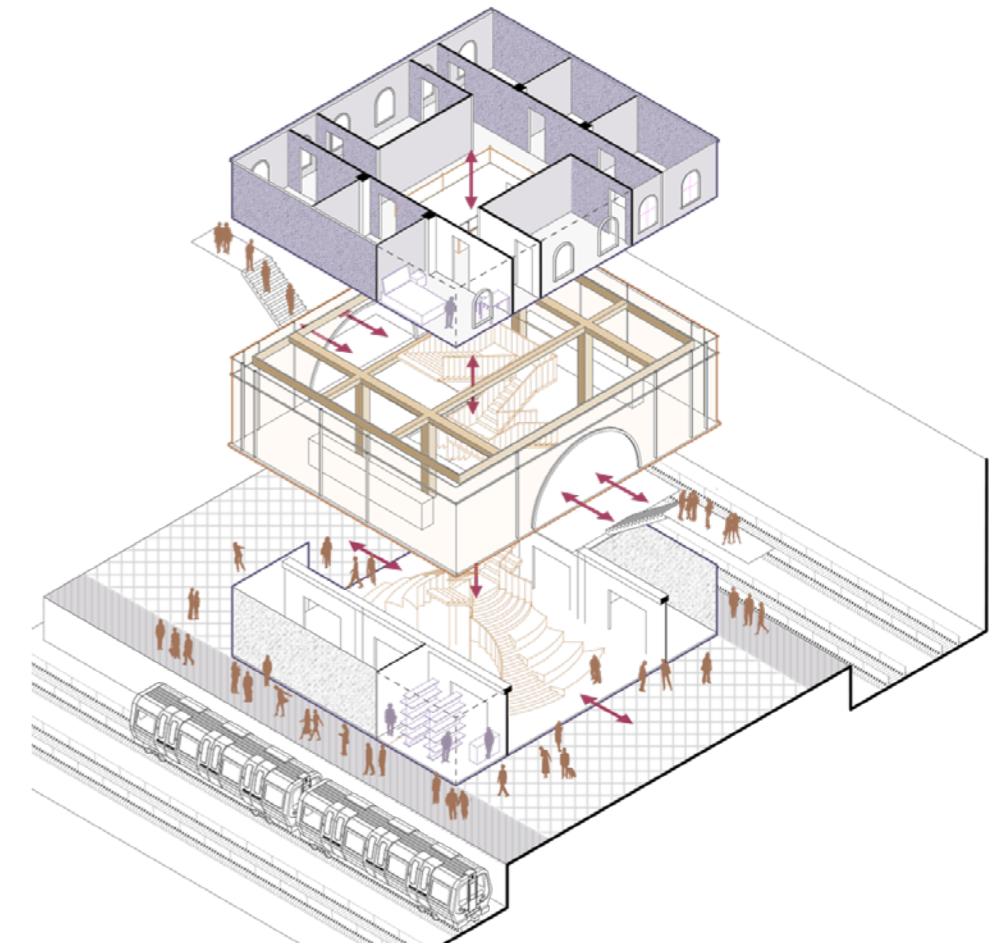
The area where Whitechapel metro station is located is a working-class area where poor artists tend to congregate, so a public space with a shelter as a secondary function was conceived as a place where artists could stay for a short but comfortable time. At the same time, the site is a conversion of a semi-underground metro platform, so the building also serves as a transit diversion.

Prototype of the Design



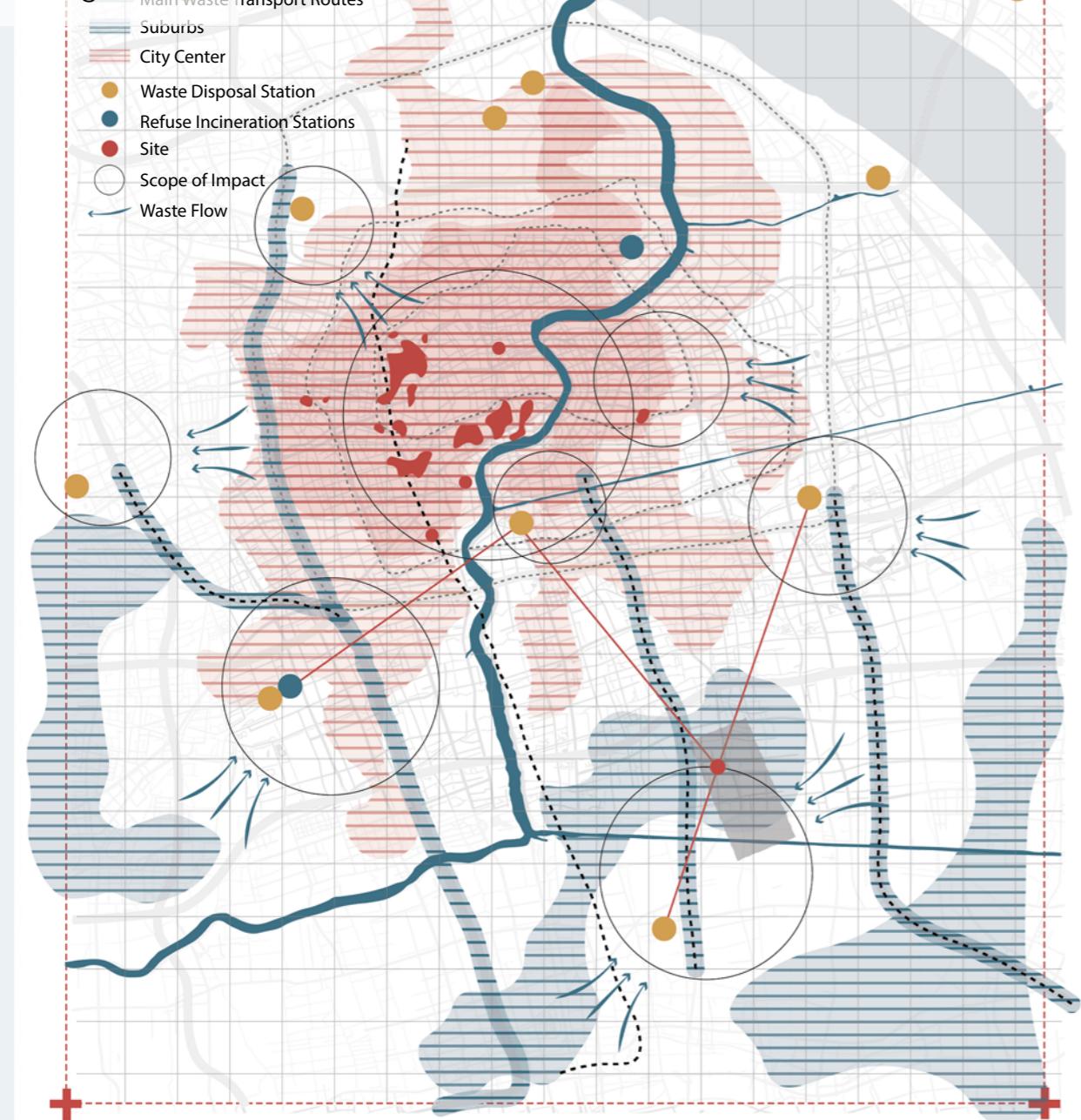
The Whitechapel Art Gallery, one of the most famous landmarks in the area, receives a lot of interest from the public for the art in the service of workers. Therefore, using the gallery as the architectural prototype, a three-stage spatial division method was extracted, dividing the building from top to bottom into three functional areas, divided into a residential area, an exhibition area and a diversion and convenience store leisure area on the ground

Interior Space Display

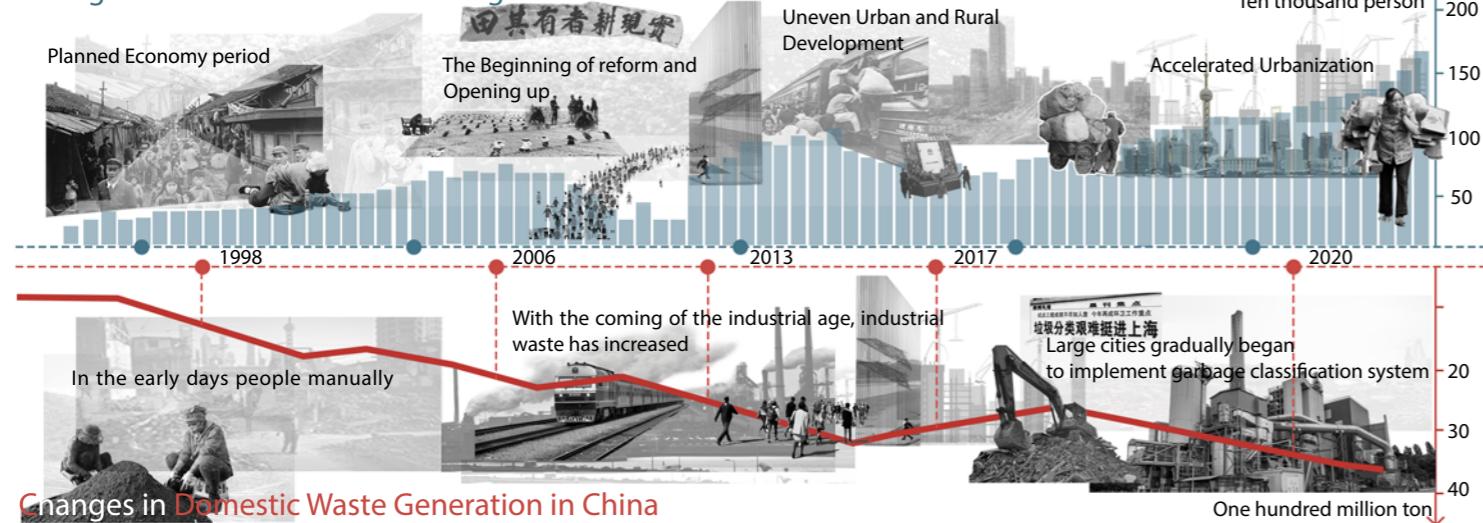


ISSUE ANALYSIS

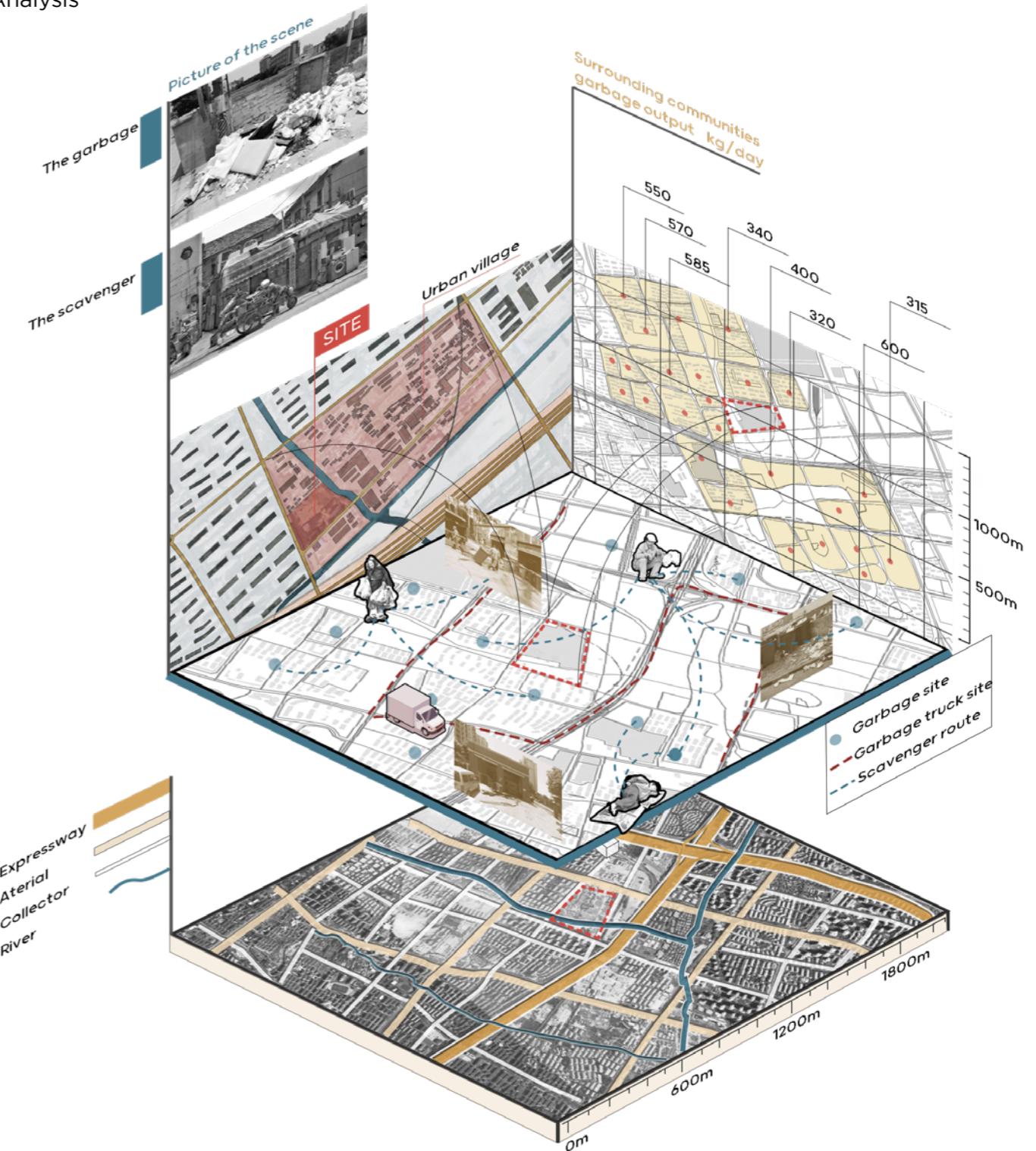
Social Background



Changes in the Number of Scanvengers in China



Site Analysis



STRATEGIES

PROBLEM

[The Needs of Recycling & Trading]



The generation, collection and disposal of waste is one of the major global challenges of the 21st century.

Waste pickers are the main protagonists of the waste recycling industry's recovery of waste.



[The Needs of Working & Housing]

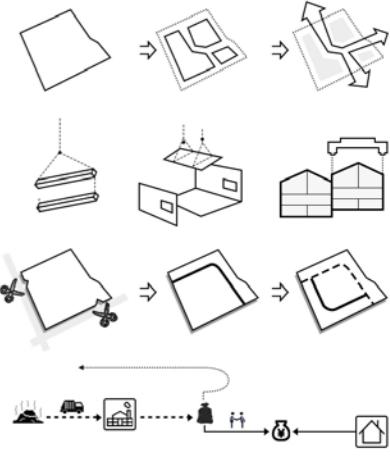
CONCEPT



SCAVENGER COMMUNITY

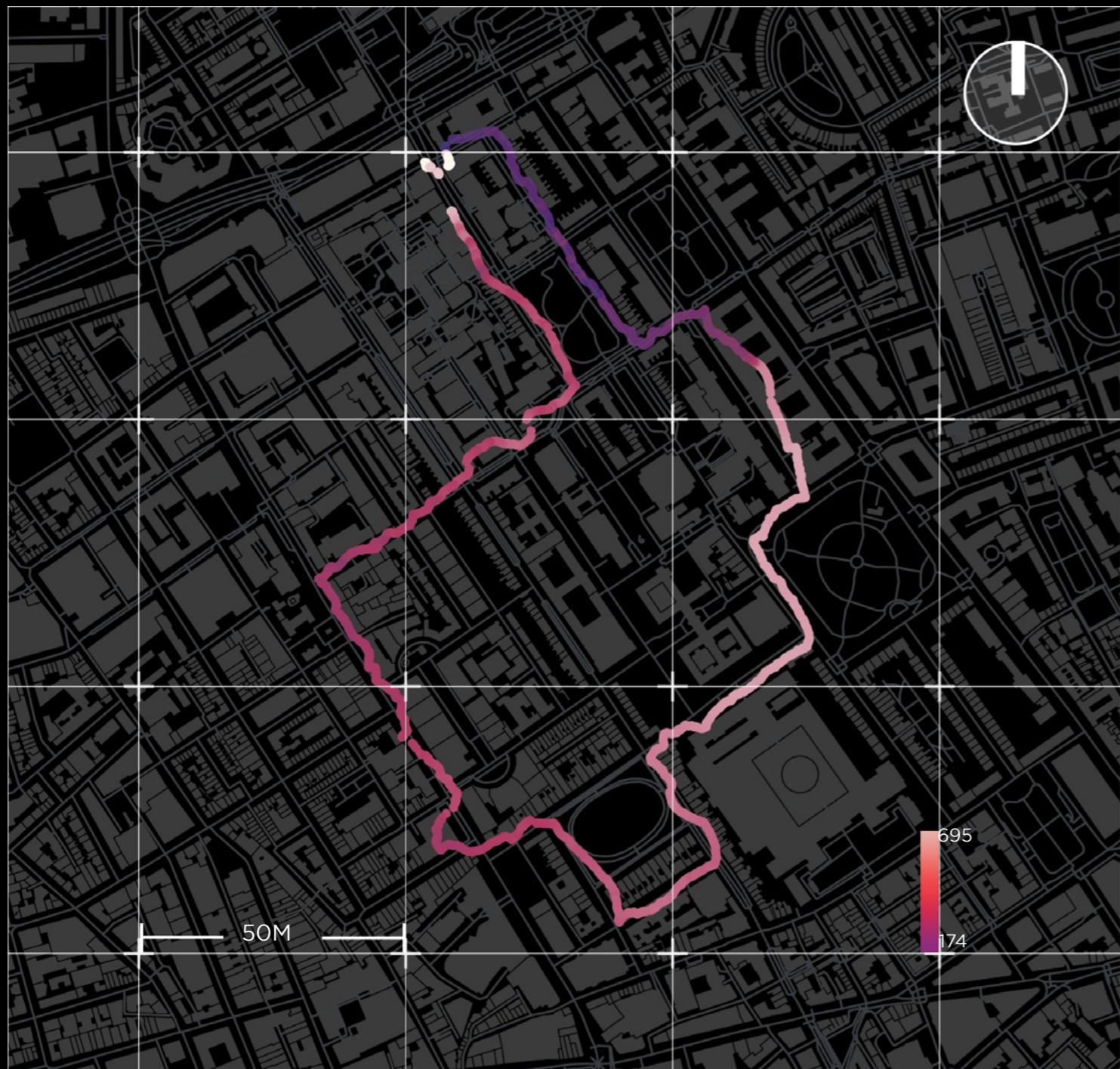


DESIGN REQUIREMENT



ARDUINO DATA VISUALIZATION

2D in QGIS



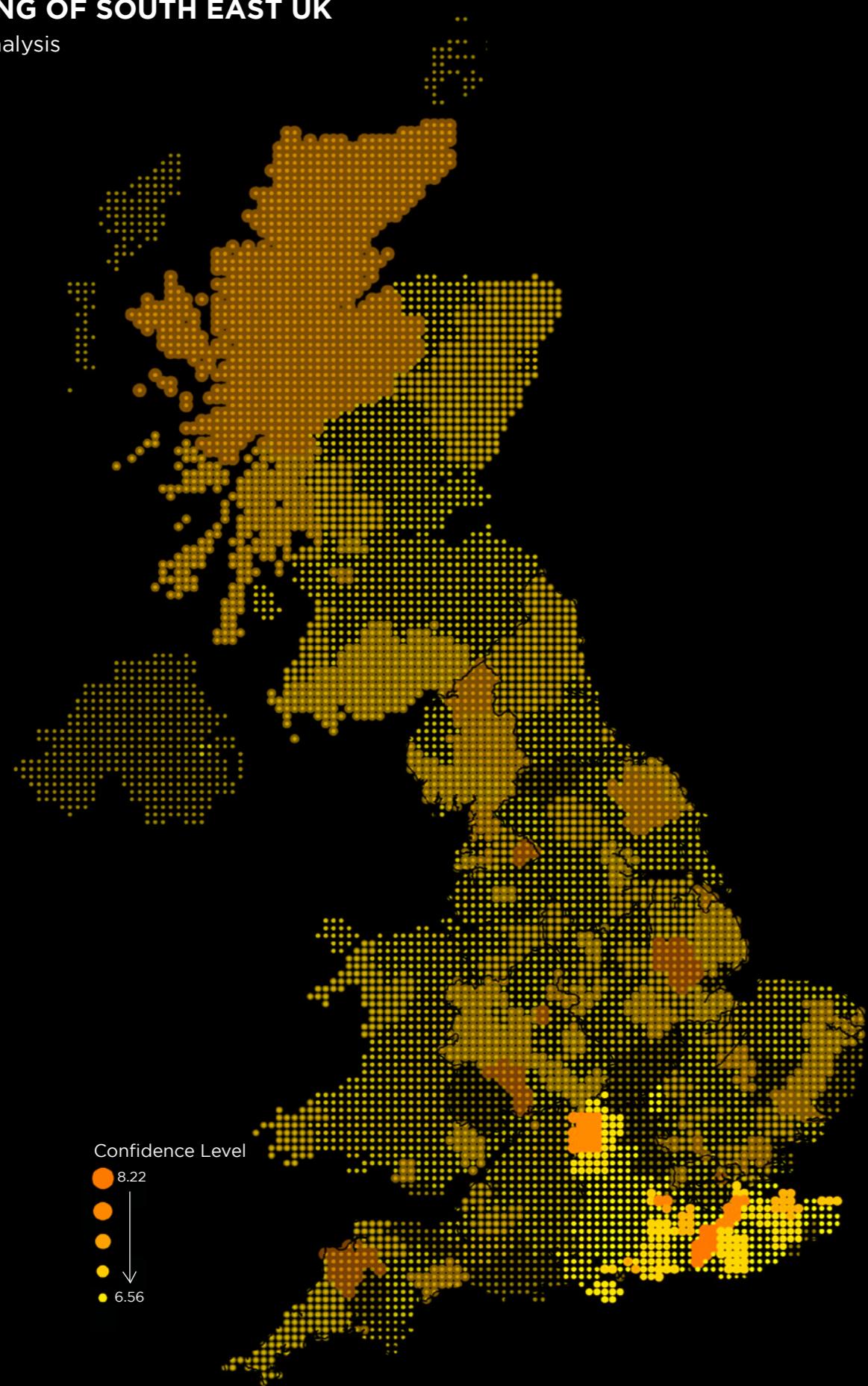
GSR Map



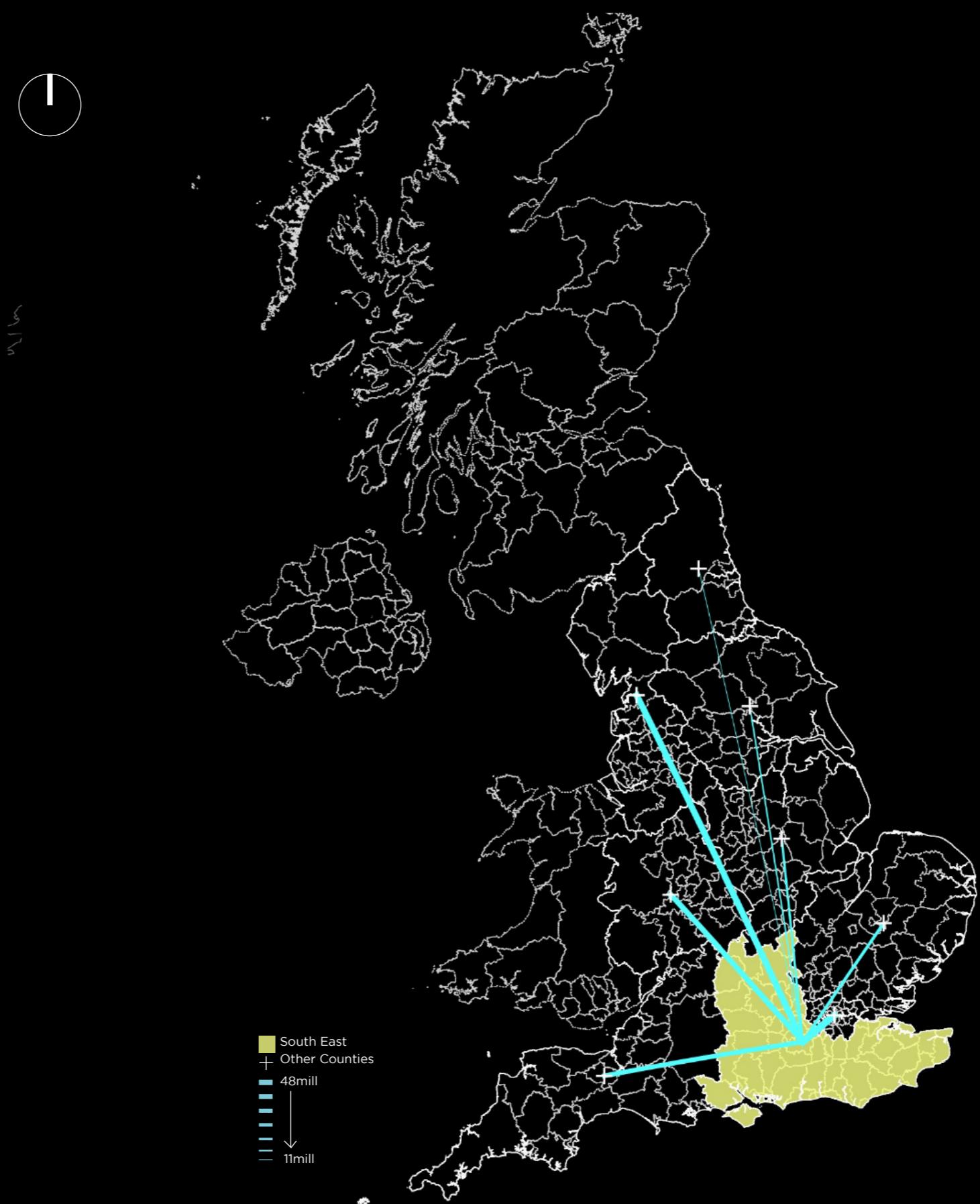
Contour Map

MAPPING OF SOUTH EAST UK

Macro-analysis



Map of UK Confidence Levels



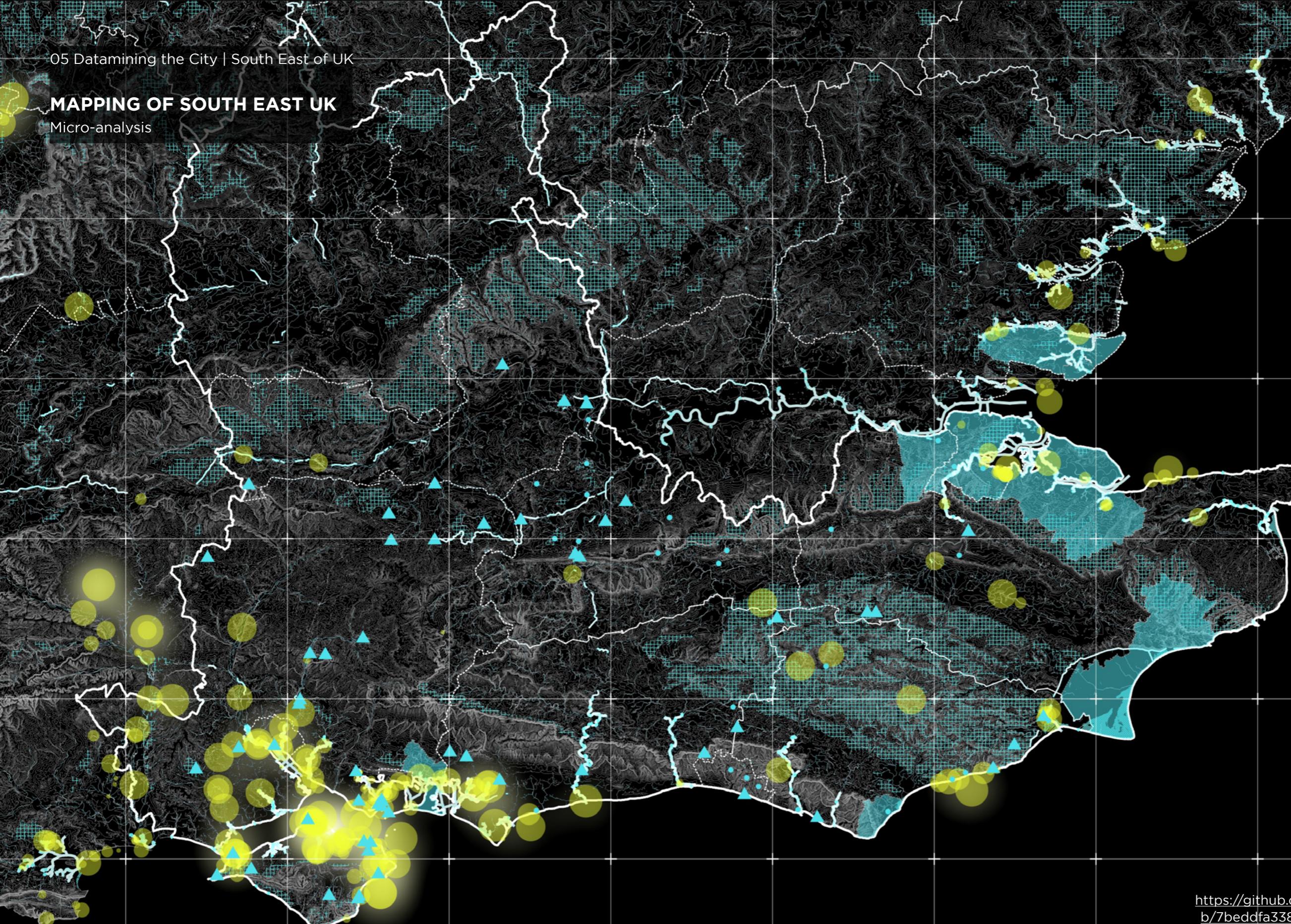
Flow Map of Visitor flows in UK 2023

MAPPING OF SOUTH EAST UK

Micro-analysis



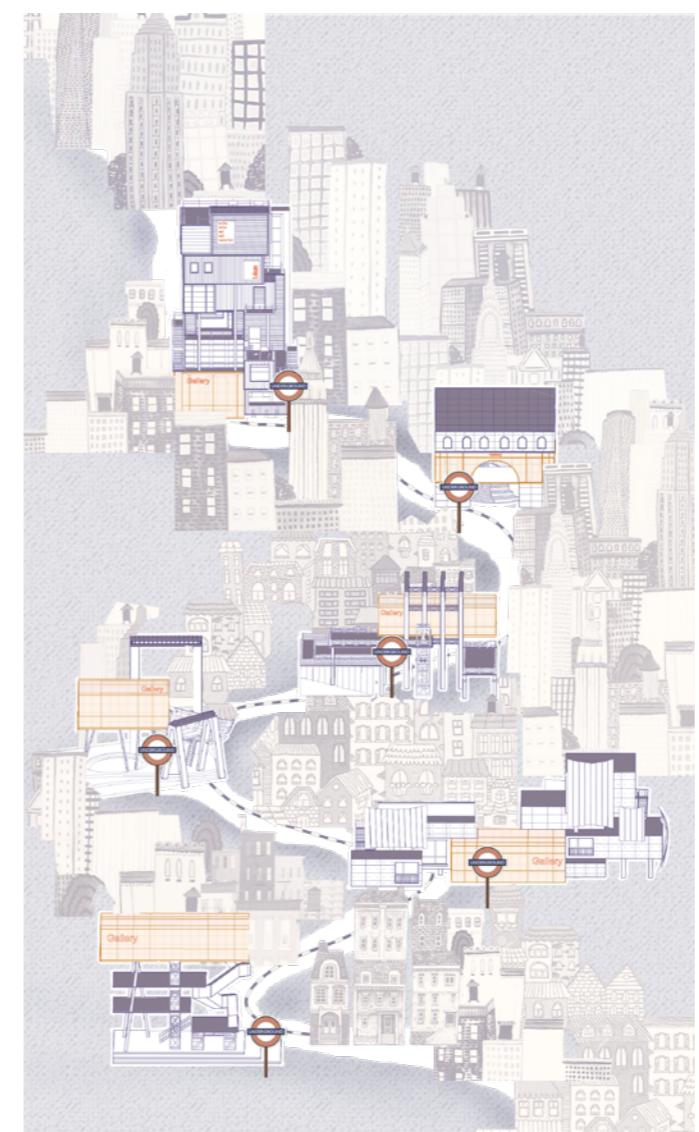
- River
- Flood Risk Area
- Sand Soil
- Slightly Acid Soil
- Tourist Attractions
- Trash Disposal Point
- Sewage Spills Duration
694-4603
0-1.8



Data Collection

Python Code Using Google API:
https://github.com/UD-Skills-2023-24/23118978/blob/7beddfa3389358a10ae3ce3a7fe9b8b155a8ba25/Assignment_02/Code.ipynb

MAPPING AND ILLUSTRATIONS





XINZHU HU
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Bloomberg, London

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