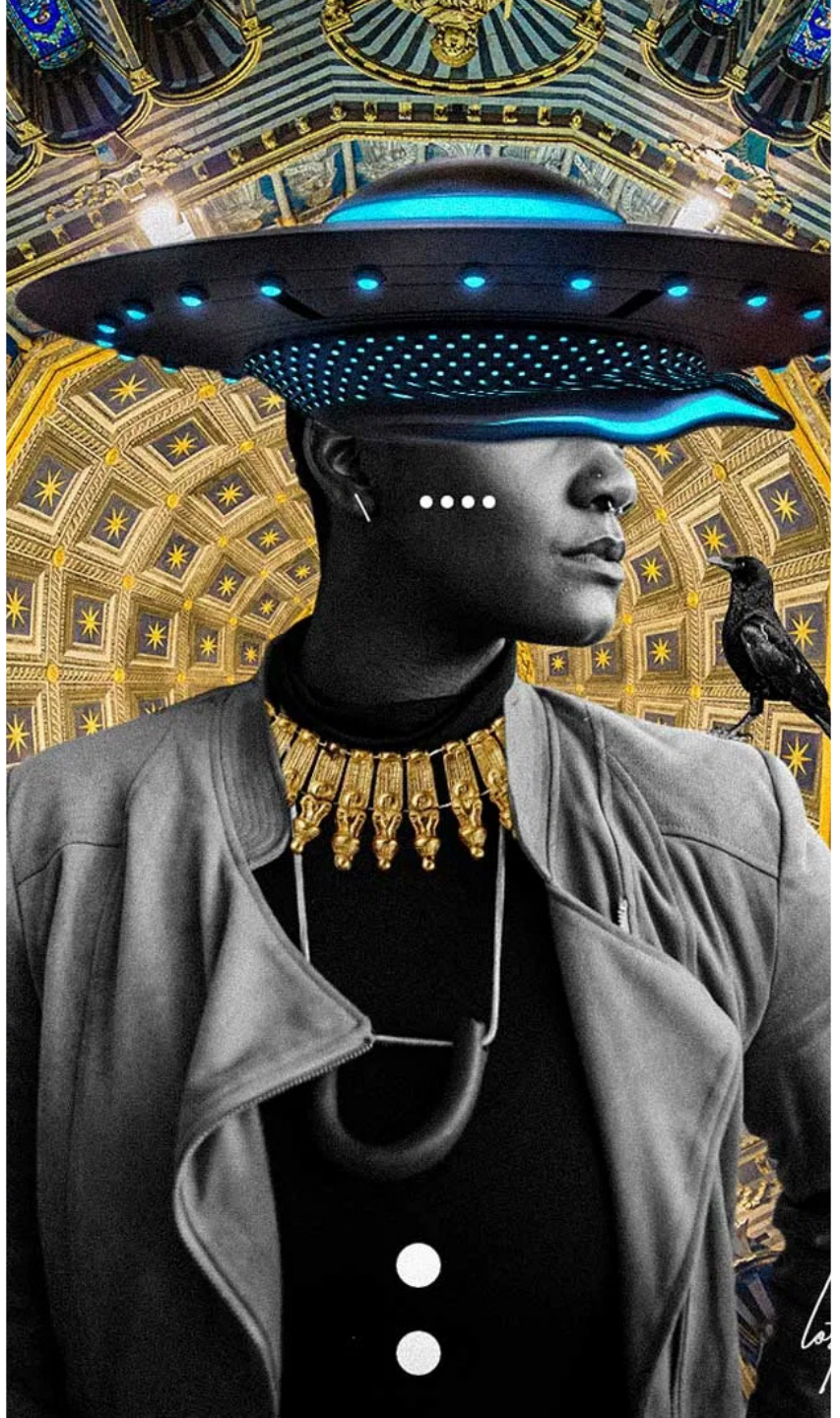
RE-AFRICANISED

A post-developmentalist approach to infrastructure and public space in Dar es Salaam, Tanzania

Franka van Marrewijk

WHAT MAKES IT AFRICAN?

BLACK LIVES MATTER
BLACK LIVES MATTER
HANDS UP
STOP THE



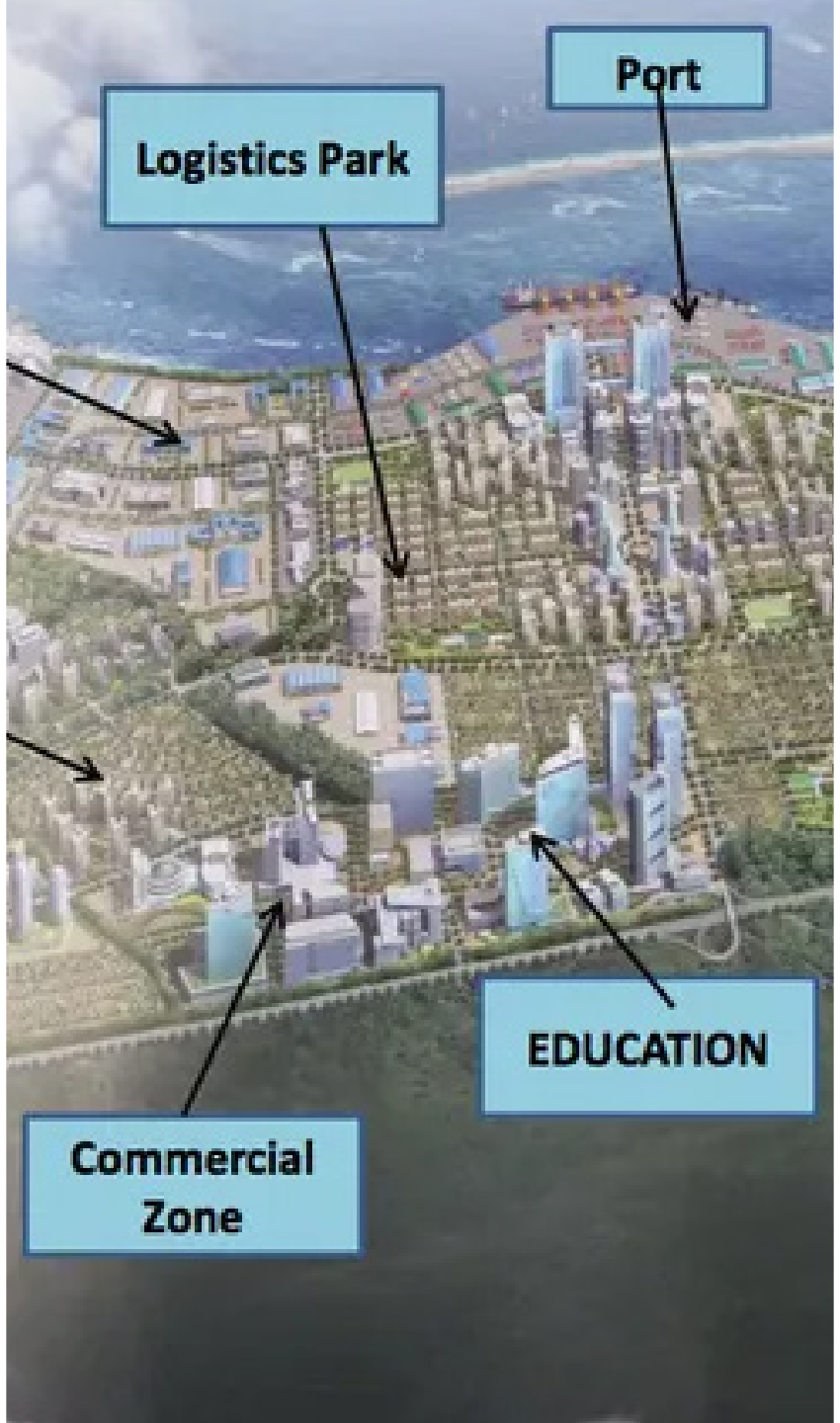
Inadequate infrastructure

Unsafety

Inequality

Environmental fragility

Palmen-Wald-Strasse, Dar-es-Salaam.
Deutsch-Ost-Afrika.


Logistics Park
Port
Commercial Zone
EDUCATION

Lagos,
NG

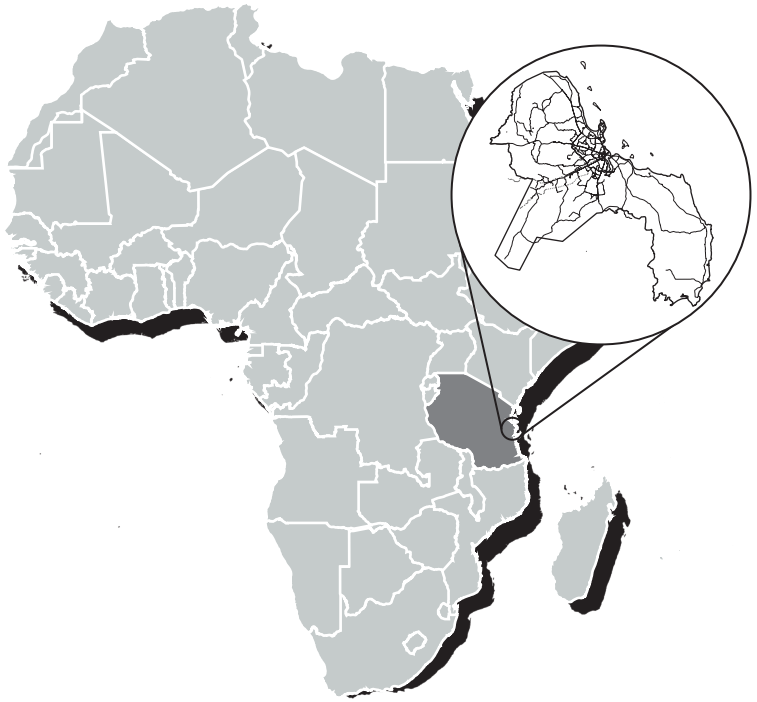
Dar,
TZ

Nairobi,
KE

Cairo,
EG

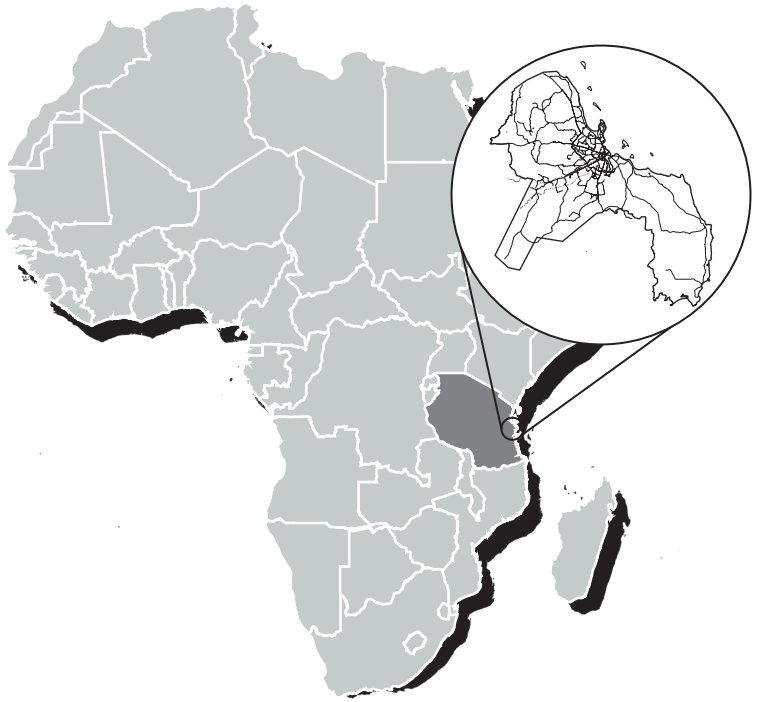
Luanda,
AO

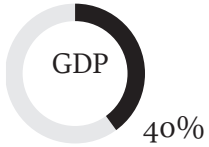
J-burg,
SA



Dar es Salaam

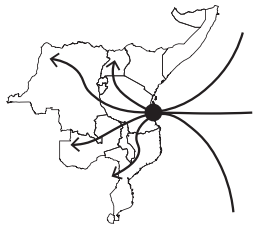
Dar es Salaam





40% of country's GDP

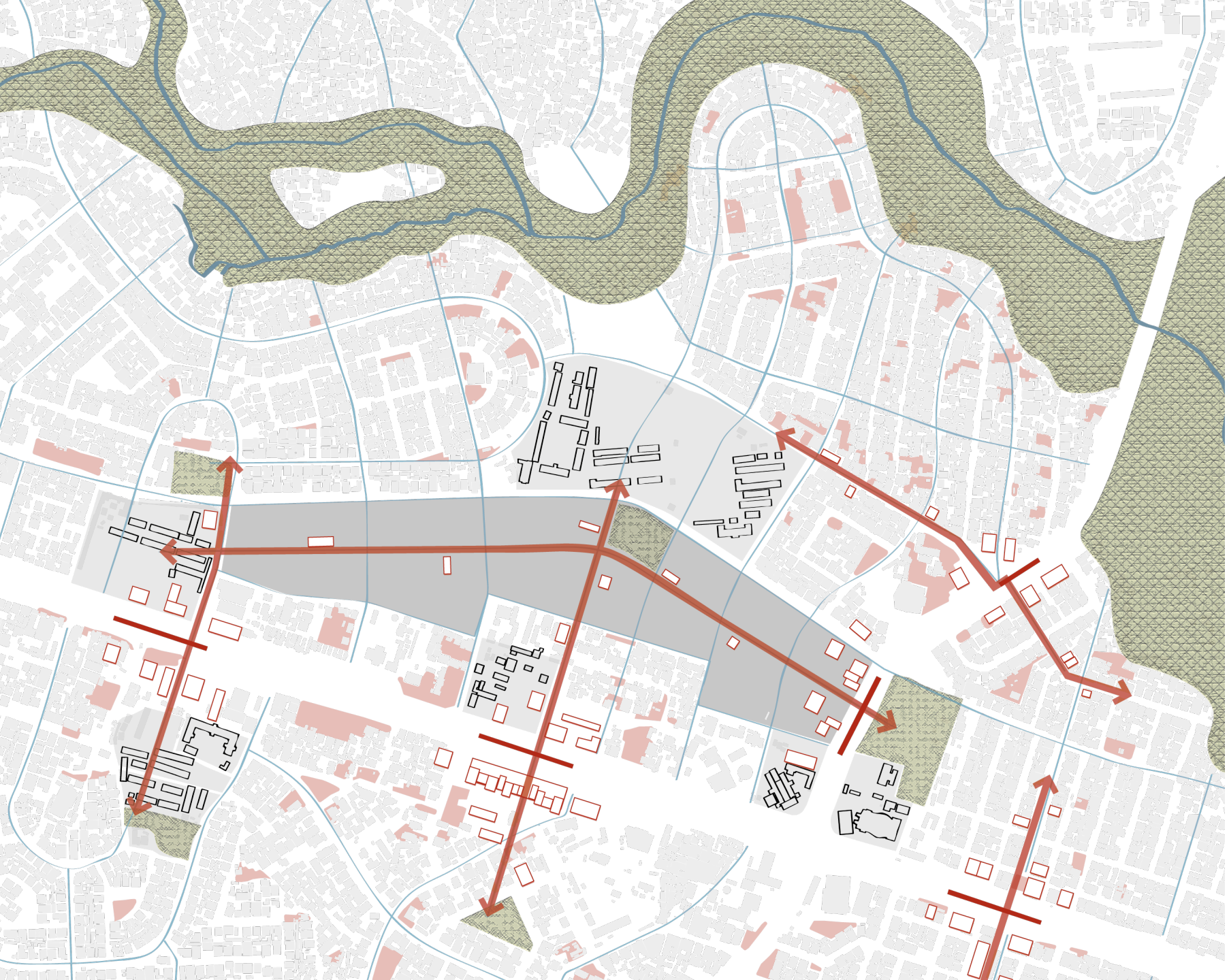
8 times larger than 2nd largest city



Seaport for land-locked countries

Research question

How can development be approached from a post-developmentalist perspective in a project considering infrastructure and public space?



Vision

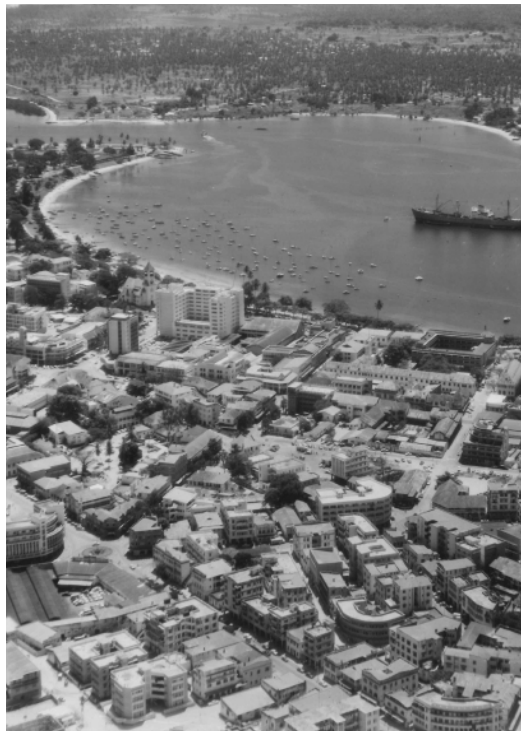
Sustainable communities

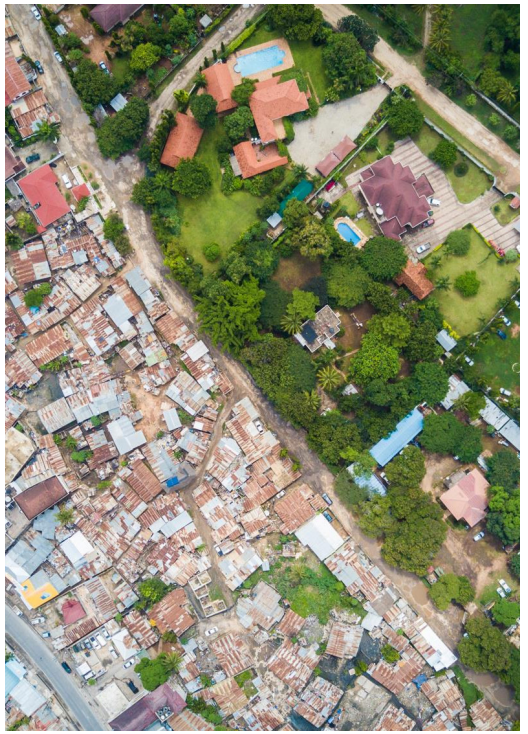
Harmony between built environment, people and natural environment

Incremental capacity of skills and knowledge

Critically placed within economic, environmental and organisational context

Aim:
Offer a co-productive, sustainable and capacity building framework for a more resilient African city





Infrastructure and public space

African city of the past

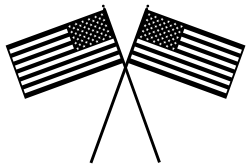
Non-negotiable conditions

African city of the future

Post-developmentalist perspective

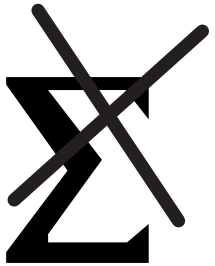
Failure of development,
Stalled evolution

Development



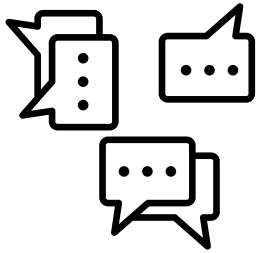
Underlying political and
economic ideologies
(Western hegemony)

Challenges =



Not sum total

Thus



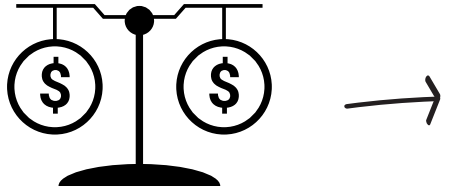
Alternatives to
development +
Pluralistic ideas

Note that

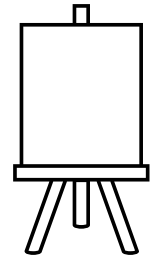
Charged with hopes for redress and self-affirmation

Greatest defenders

Recognition and equity framed in terms of



Civilization model of powerful nations



Nuanced analysis

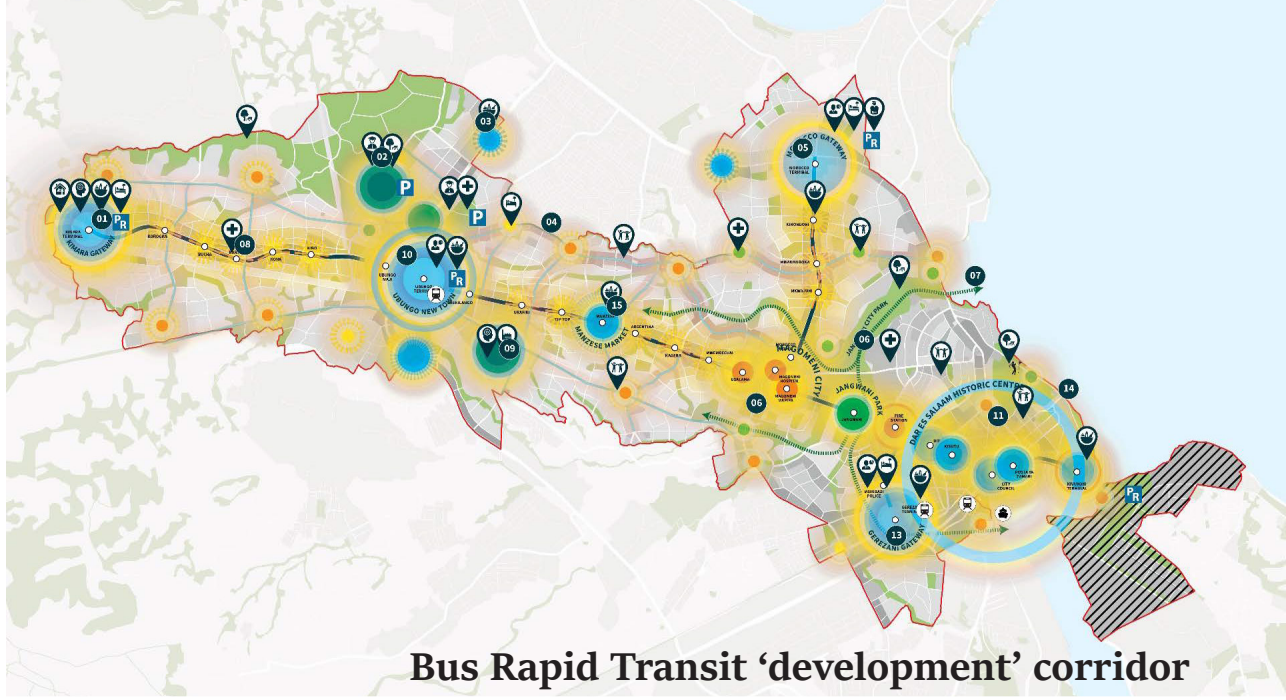
Nuances in Dar es Salaam

City scale road infrastructure

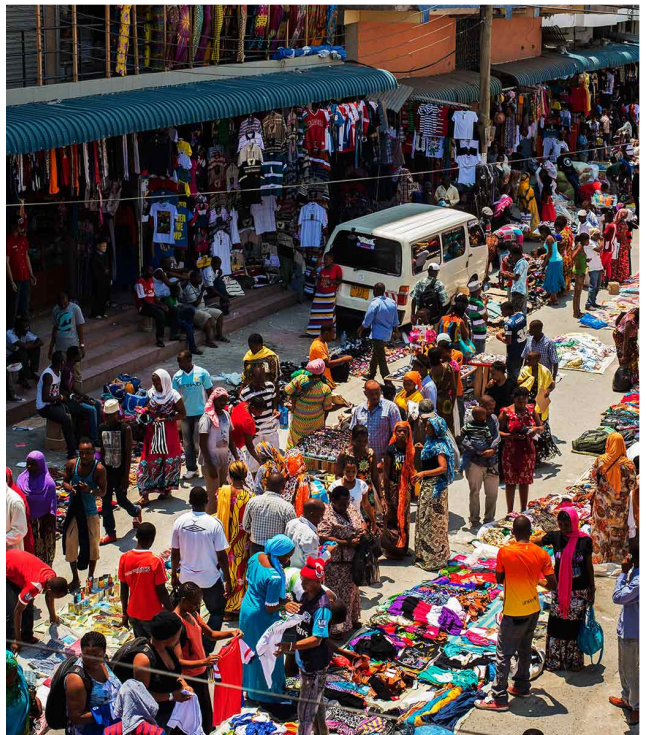
Public Transportation stimulating local economic activity at its nodes

Embedded within contemporary ideas of neoliberal development

Local complex engagements with ideas of development



Bus Rapid Transit 'development' corridor



The African city of the past

Global forces and contradictory demands

- Risk of exclusion of population and activities that do not fit the visions (the poor and ‘informal’)
- Unexplored and disregarded local challenges and opportunities

Rapid urbanisation

- Expansion of spontaneous settlements
- Lack and disappearance of open, public spaces
- Unfamiliar and unrecognised appropriation of spaces

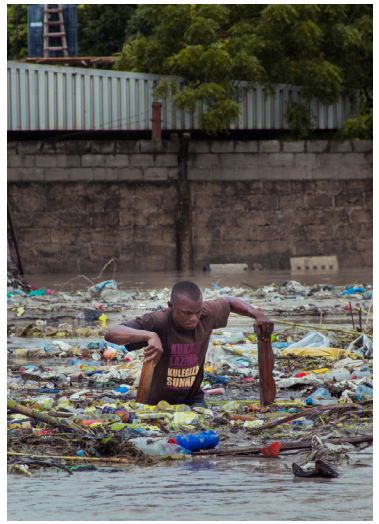
Growth of inhabitants and unvarying look-alike, ‘informal’ economies

- Inadequate and low availability to grow skills and knowledge and to thus diversify

Poor quality, congested and unsafe infrastructure

- Development focus on road infrastructure and public transit systems
- Negligence and overlooked importance, qualities and potentials of (other) public urban infrastructure for local activities

Increasing environmental risks



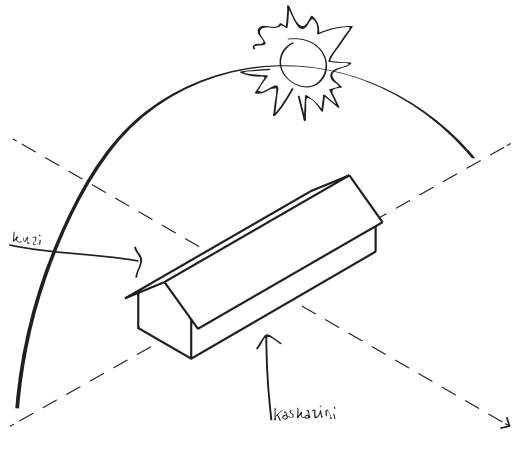
- Lack of environmentally conscious infrastructure
- Undervalued potentials of sustainable spatial design

African city of the past

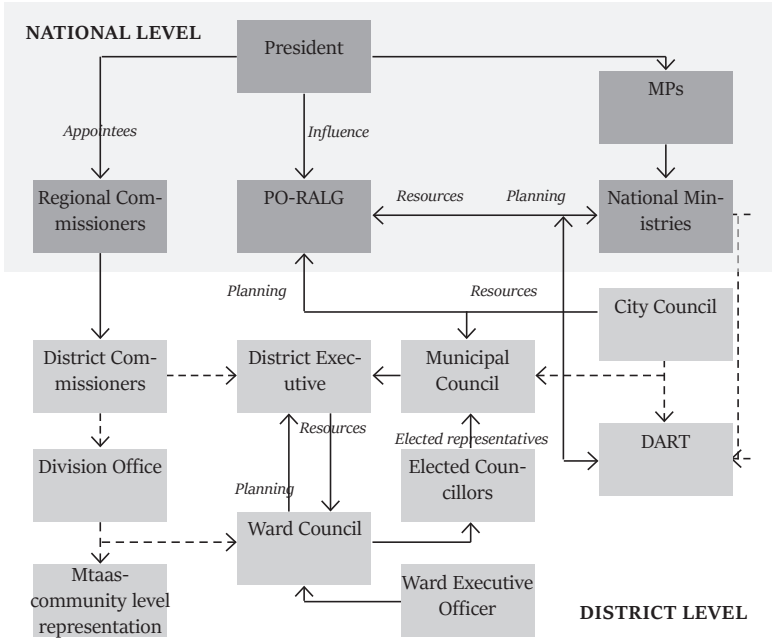
Norms and values

Natural answer to demands and challenges

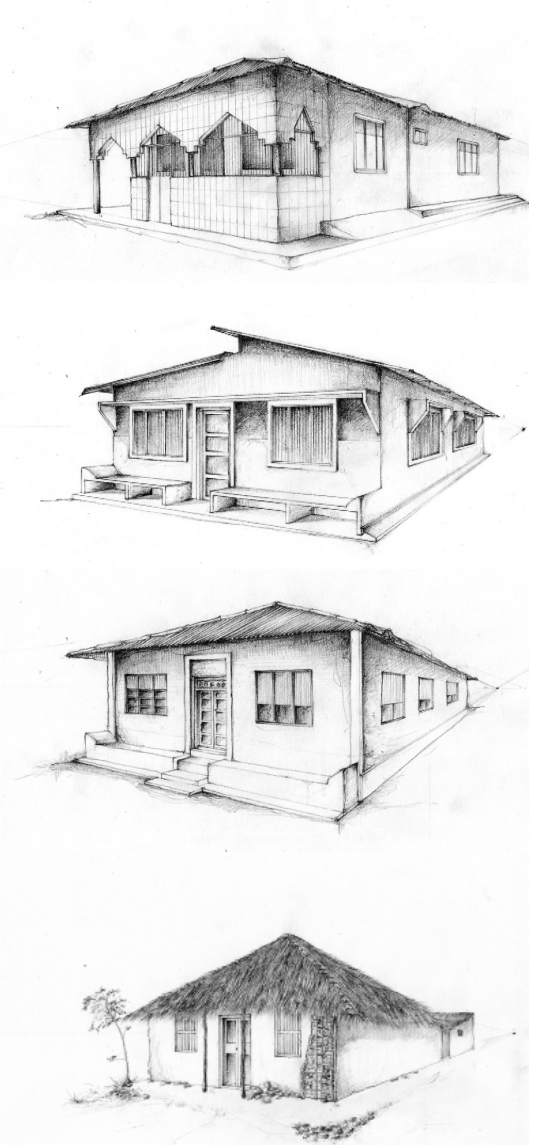
Socio-economic structures of current form,
But also suggest future processes



Housing x weather



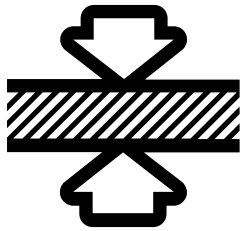
Systems x traditions



Architecture x social life

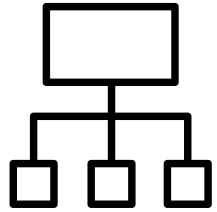
Non-negotiables

'Something that is non-negotiable cannot be changed by discussion'



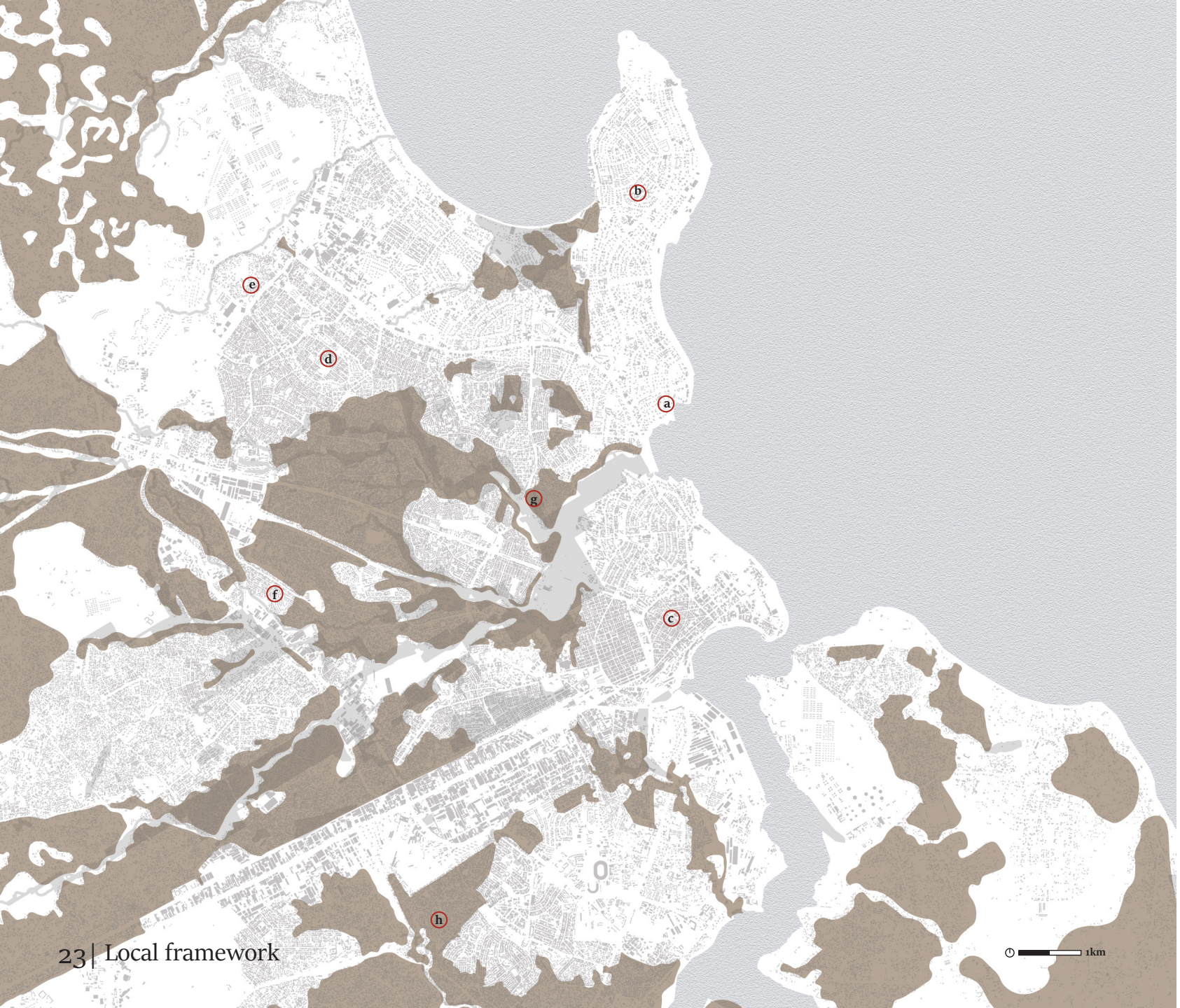
1. Pressures on urban space

2. Climate change



3. Government system

1. Pressures on urban space

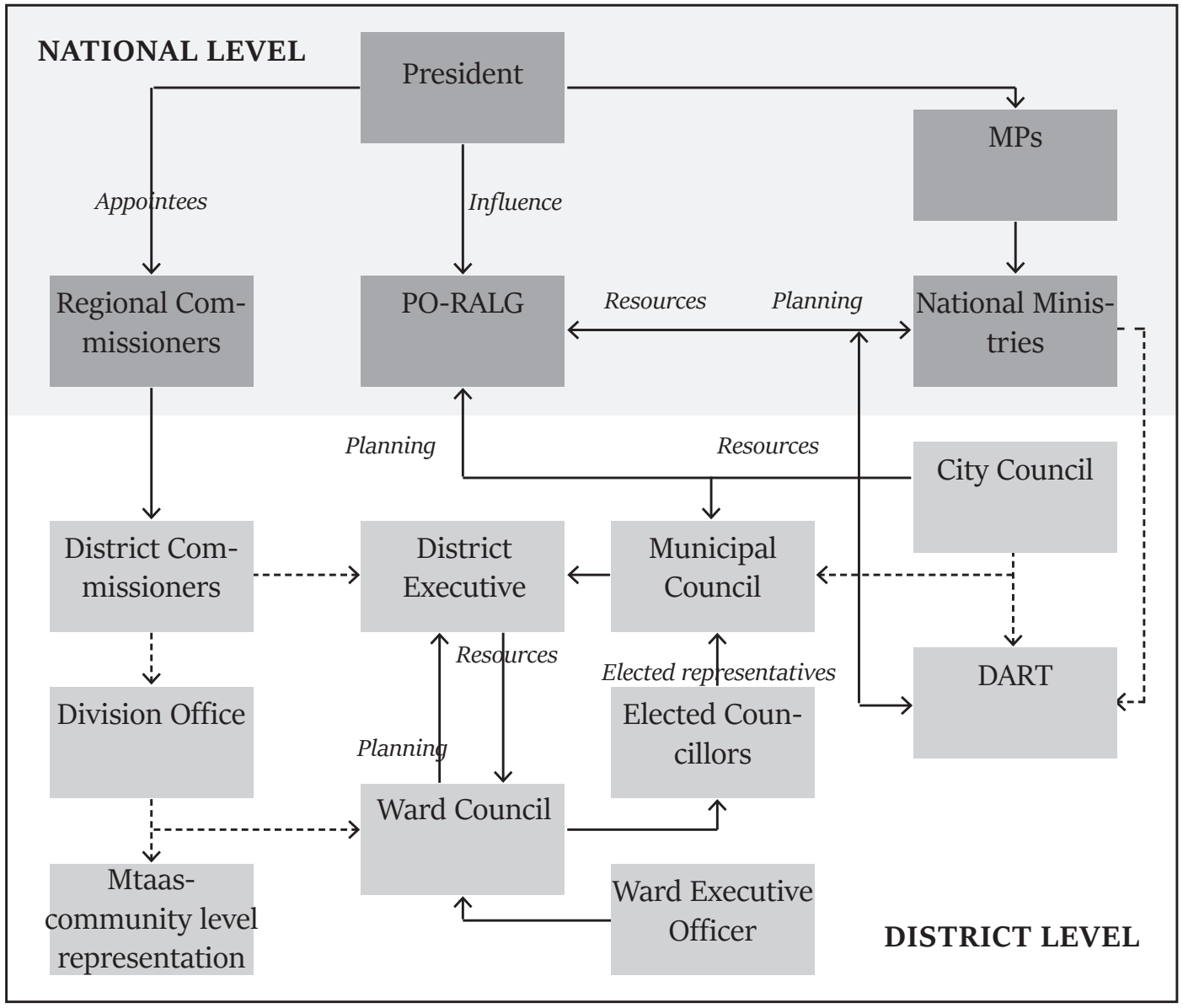


Unplanned settlement

2. Climate change

Flood risk
River/water stream
Spontaneous settlement

1km



3. Governance system

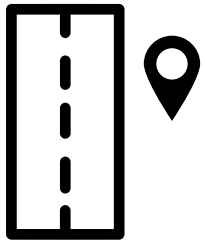
Unconventionalities

The African city of the future

Public space

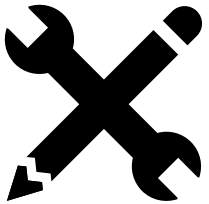
Appropriation
of space

Meeting of scales



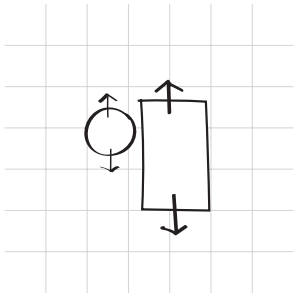
Infrastructure
x
public space

Development



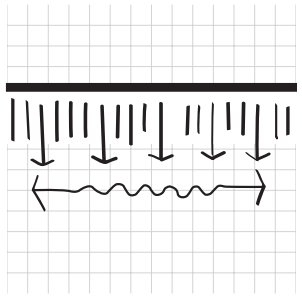
Skills and knowledge

V ●●●●○
So ●○○○○



F ●●●●○
Sp ●●○○○

V ●●●●○
So ●●○○○



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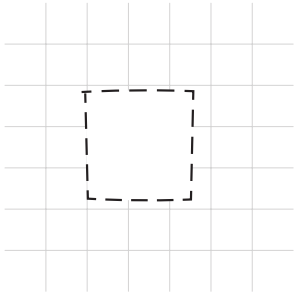
Sp ●●●●○

V ●●●●○
So ●○○○○



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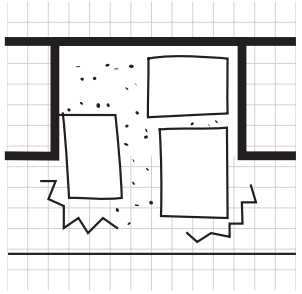

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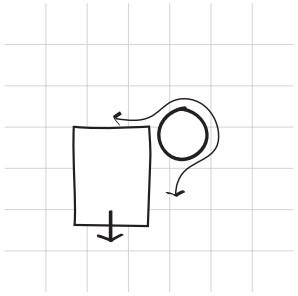

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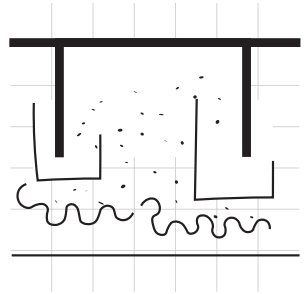

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Public space

Appropriating space
Street economy and public space

Meeting of scales

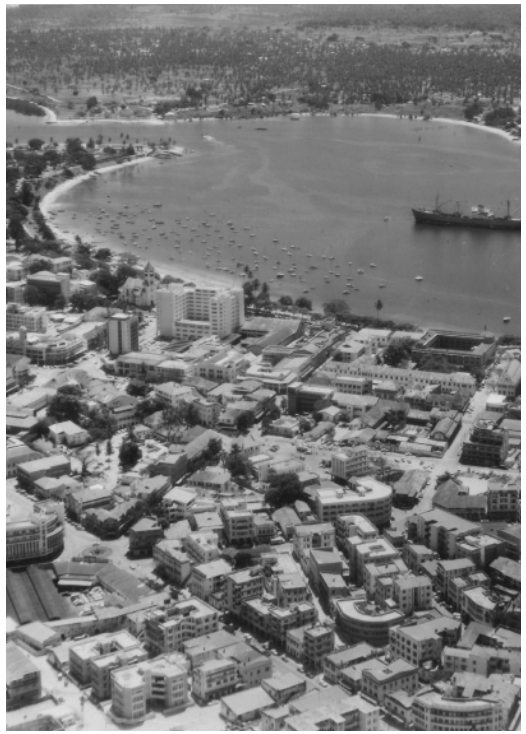
Space and infrastructure go hand in hand

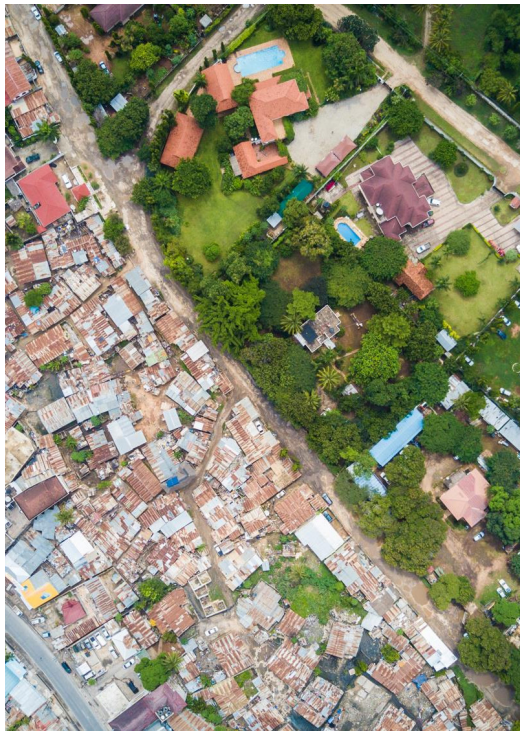
Public space and development

Building knowledge and skills
Not only through space
But space as facilitator

Higher education
Secondary school

Aim:
Offer a co-productive, sustainable and capacity building framework for a more resilient African city





Infrastructure and public space

African city of the past

Non-negotiable conditions

African city of the future

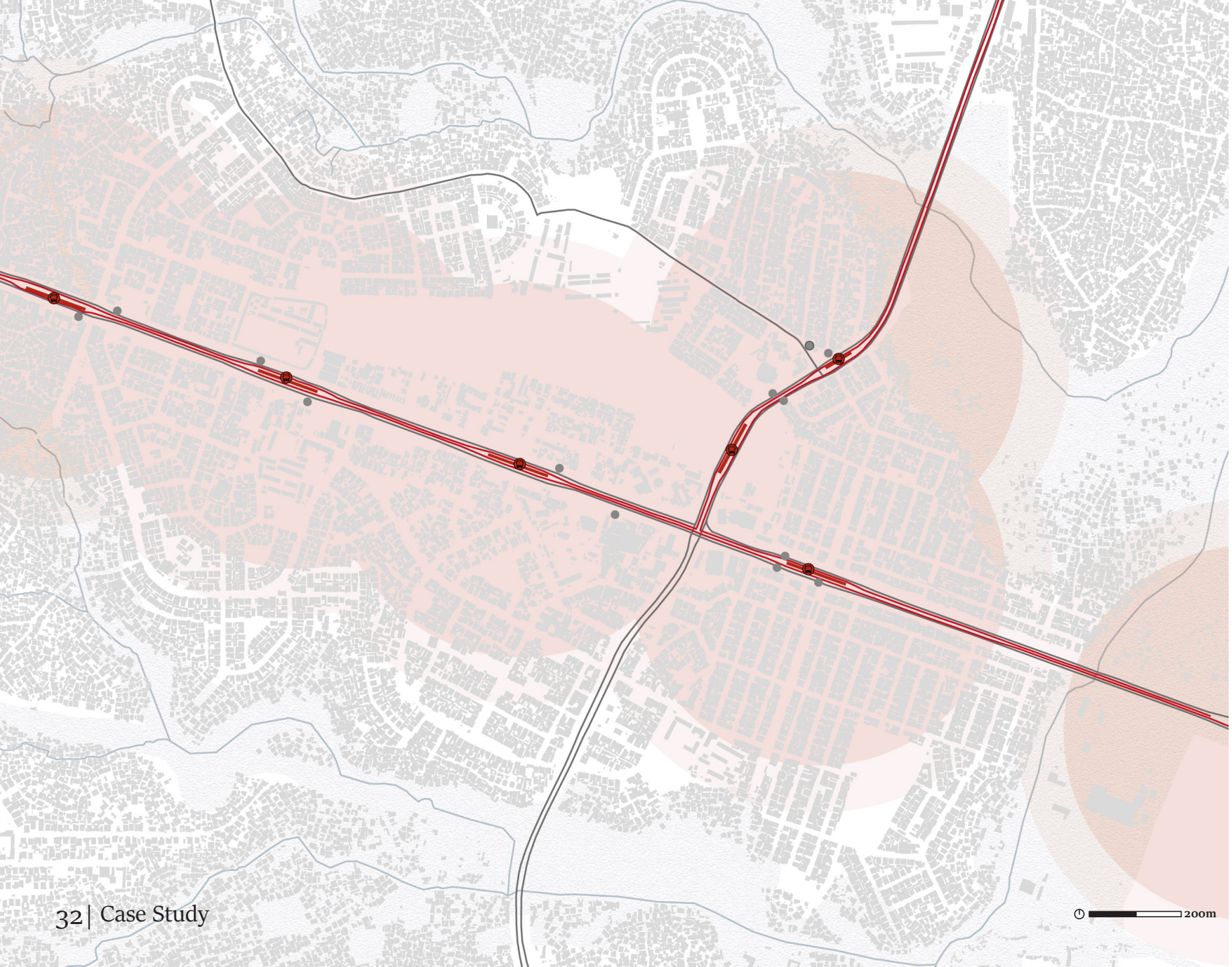
Case study

Magomeni

Magomeni ward
BRT corridor development area
BRT busstops

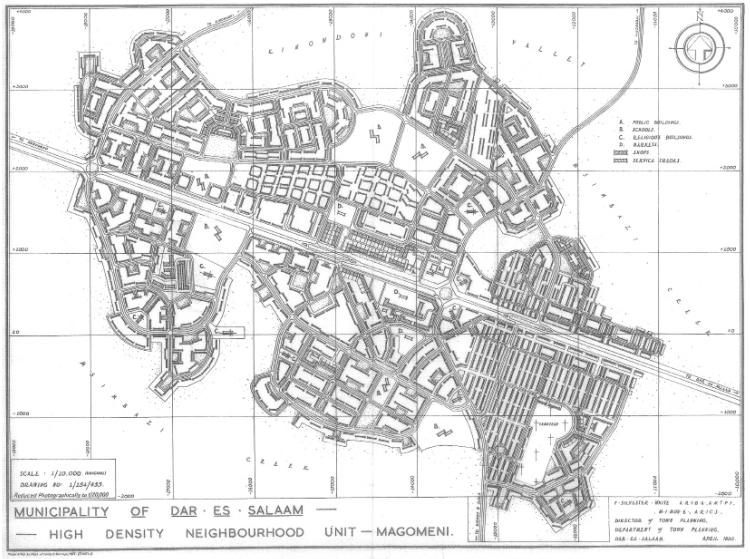
Infrastructure and public space

BRT splitting neighbourhood in two

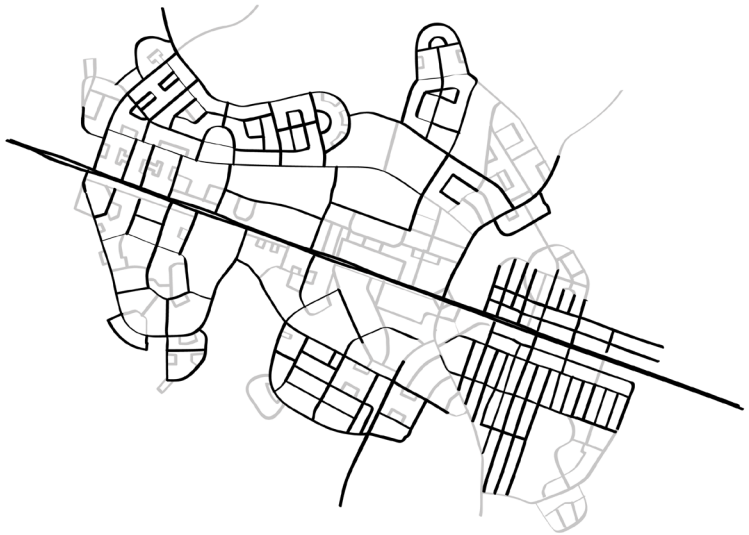


- BRT route
- BRT stop
- City Bus/Dala Dala route
- City Bus/Dala Dala stop
- City Bus/Dala Dala stand
- Public transport catchment area 400-500m

African city of the past

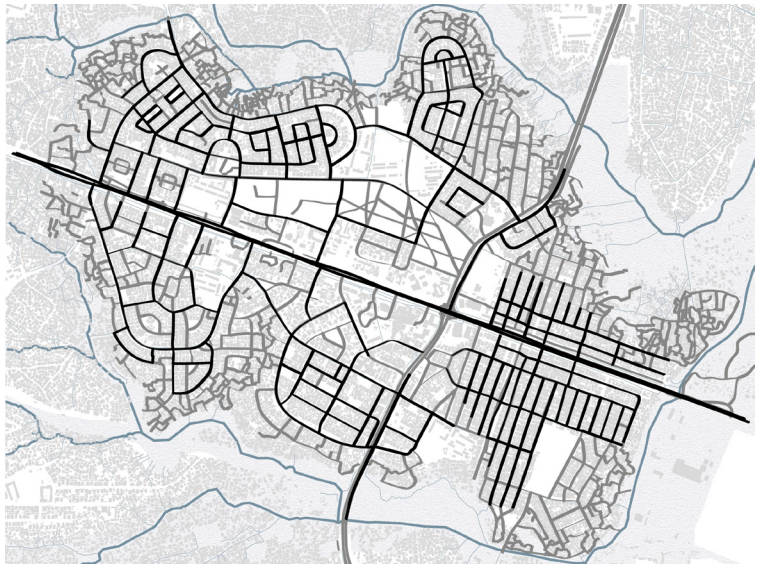


1955 plan



Historic infrastructure remainders
Disappeared infrastructural structure

Current structure represented in historic grid



Historic grid in current structure

Non-negotiable local conditions

Rapid urbanisation
High density, horizontal growth

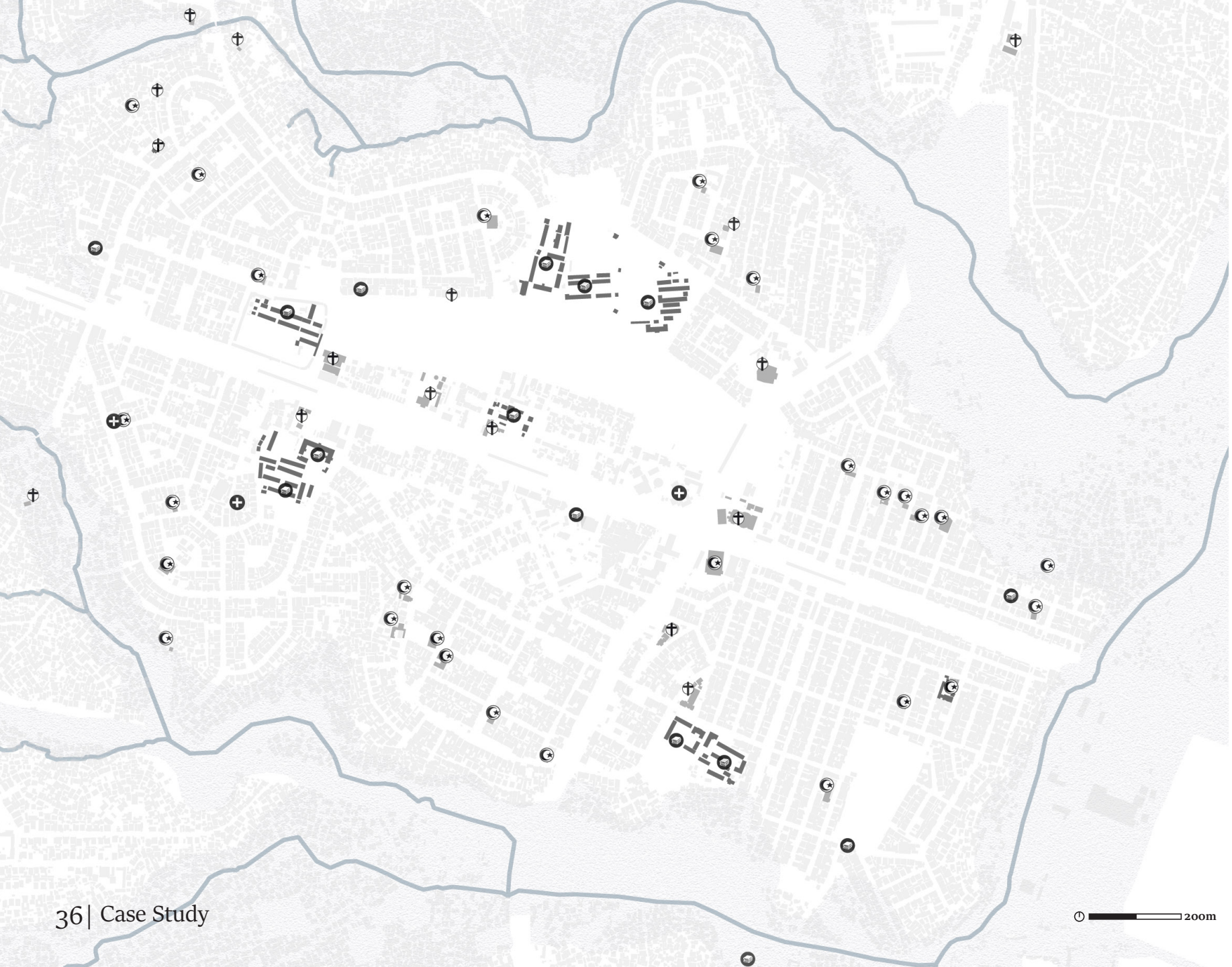
Non-negotiable local conditions

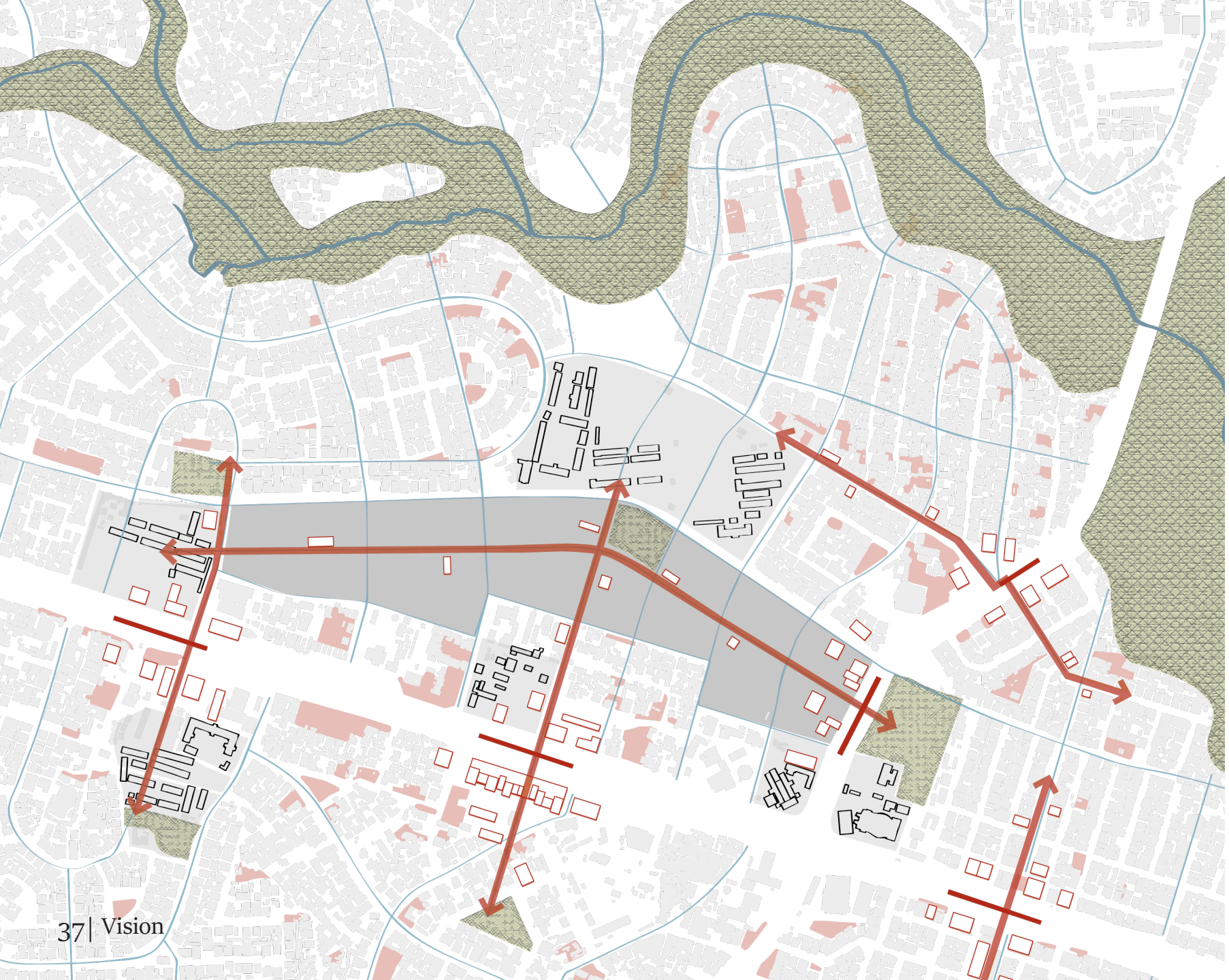
Climate change for Magomeni

Floodrisk affecting unplanned spontaneous settlements

African city of the future

Many facilitators





Vision

Sustainable communities

Harmony between built environment, people and natural environment

A growing capacity of skills and knowledge

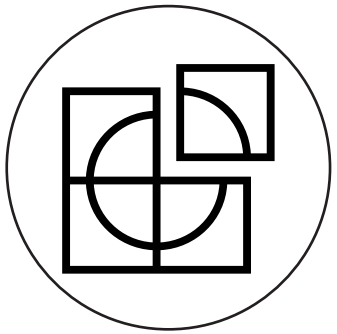
Critically placed within economic, environmental and organisational context

VISION AIMS (what) → **OBJECTIVES** (how)

Sustainable communities

Make spaces into places

Harmony between built environment, people and natural environment

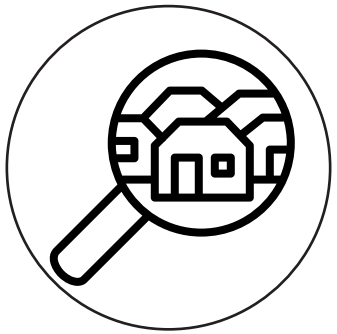


Make room (space for-) and connections

A growing capacity of skills and knowledge

Support local livelihood activities through facilitating flexible opportunities and encouraging co-operation, tolerance and self-help

Considering economic, environmental and organisational context



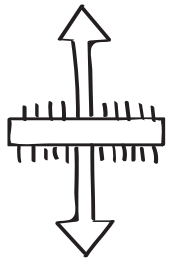
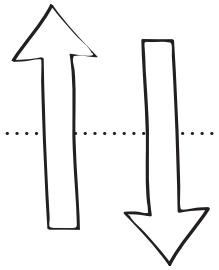
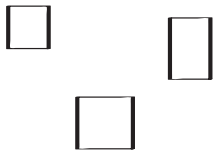
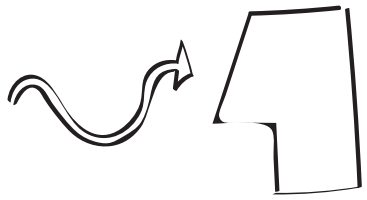
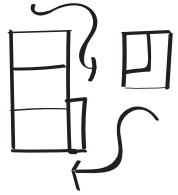
Relocate responsibilities, integrate adaptability and be conscious of spatial and non-spatial resources

STRATEGIC URGENCIES (infrastructure for-)

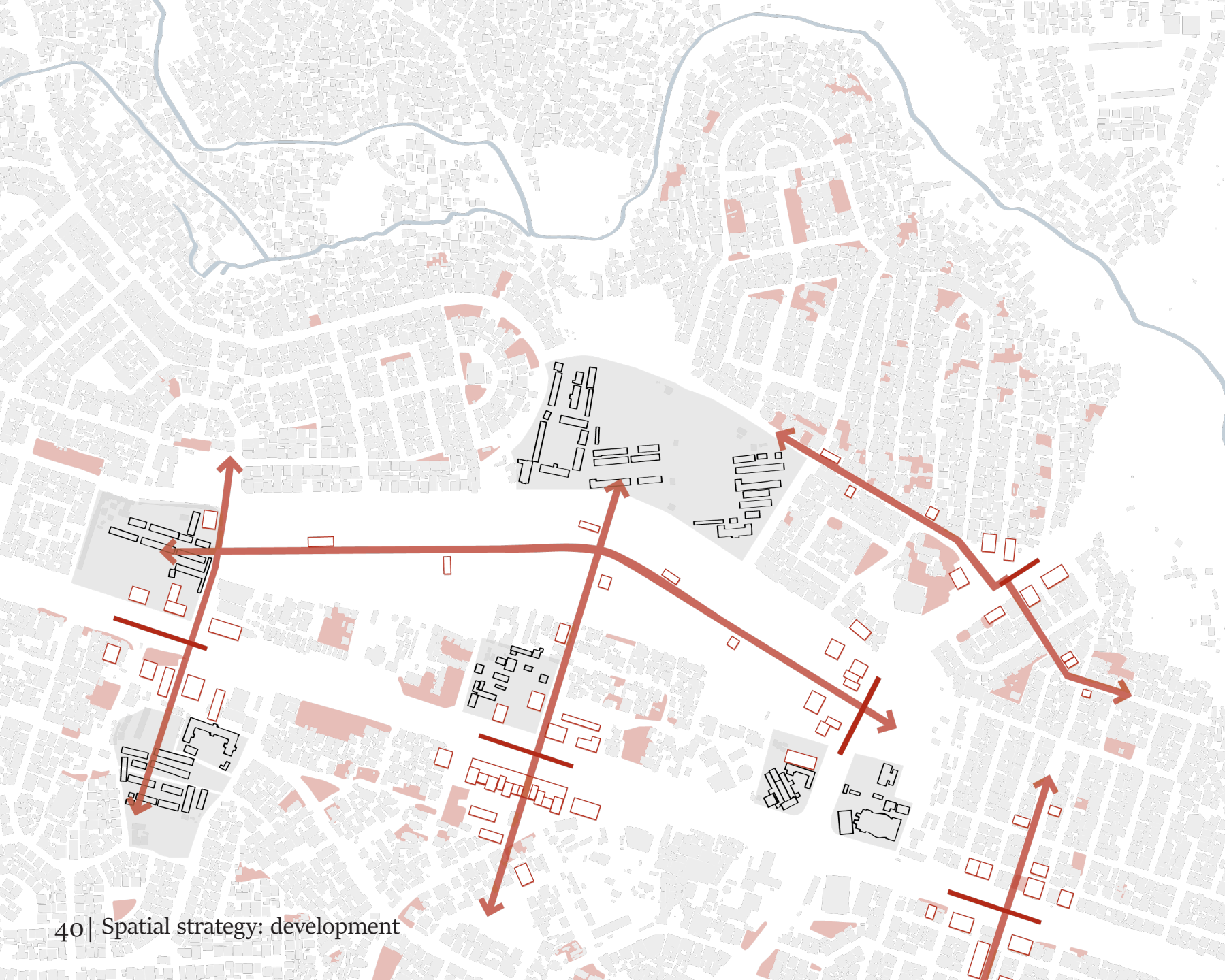
A. Public development (infrastructure)
B. Environment
C. Living
D. Justice

↓

STRATEGIC PROJECTS

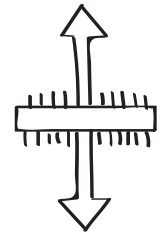
	A. DEVELOPMENT (INFRASTRUCTURE)	B. ENVIRONMENT	C. LIVING	D. JUSTICE
CITY SCALE ↕ NEIGHB. SCALE				
NEIGHB. SCALE ↕ COMM. SCALE				

A. Development



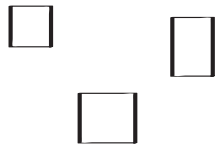
CITY SCALE

NEIGHB. SCALE



NEIGHB. SCALE

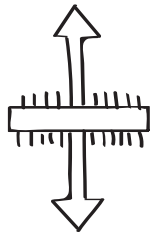
COMM. SCALE



Before

CITY SCALE

NEIGHB. SCALE

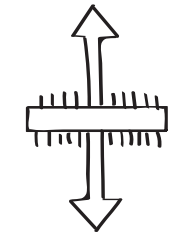


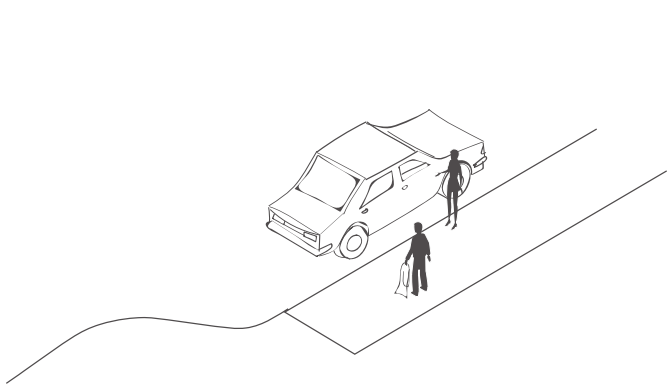
- Develop work and commerce around BRT node for neighbourhood scaled activities
- Connect BRT stop to main public facilities inside the neighbourhood
- Multiple growth options through sites and services system
- Relocate responsibility to various owner-ships

After

CITY SCALE

NEIGHB. SCALE





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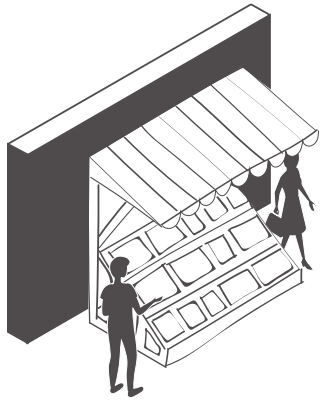

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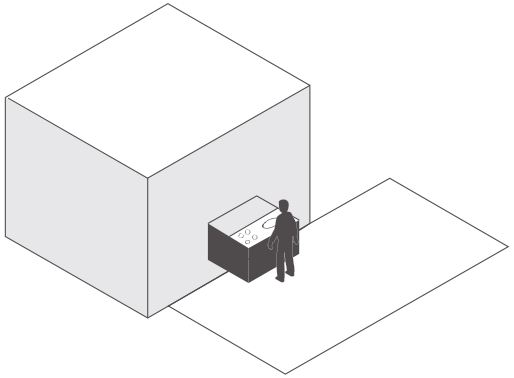

3

- Develop work and commerce (=Livelihood activities) around BRT node for neighbourhood scaled activities
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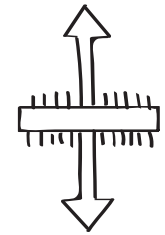
After

CITY SCALE

NEIGHB. SCALE



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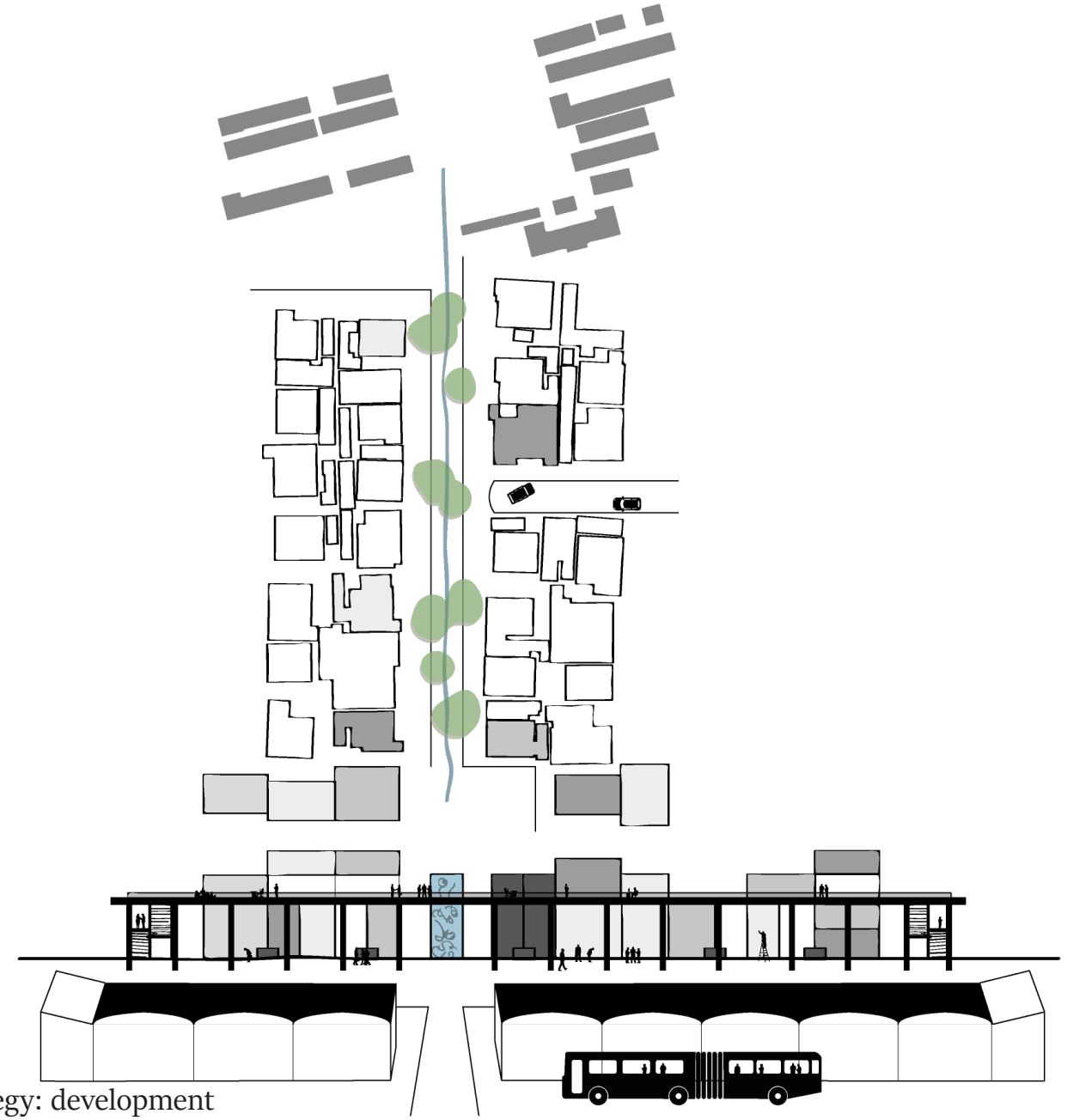
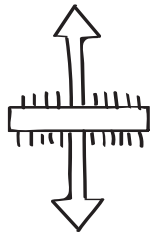


CITY SCALE

NEIGHB. SCALE



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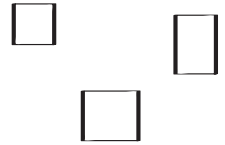
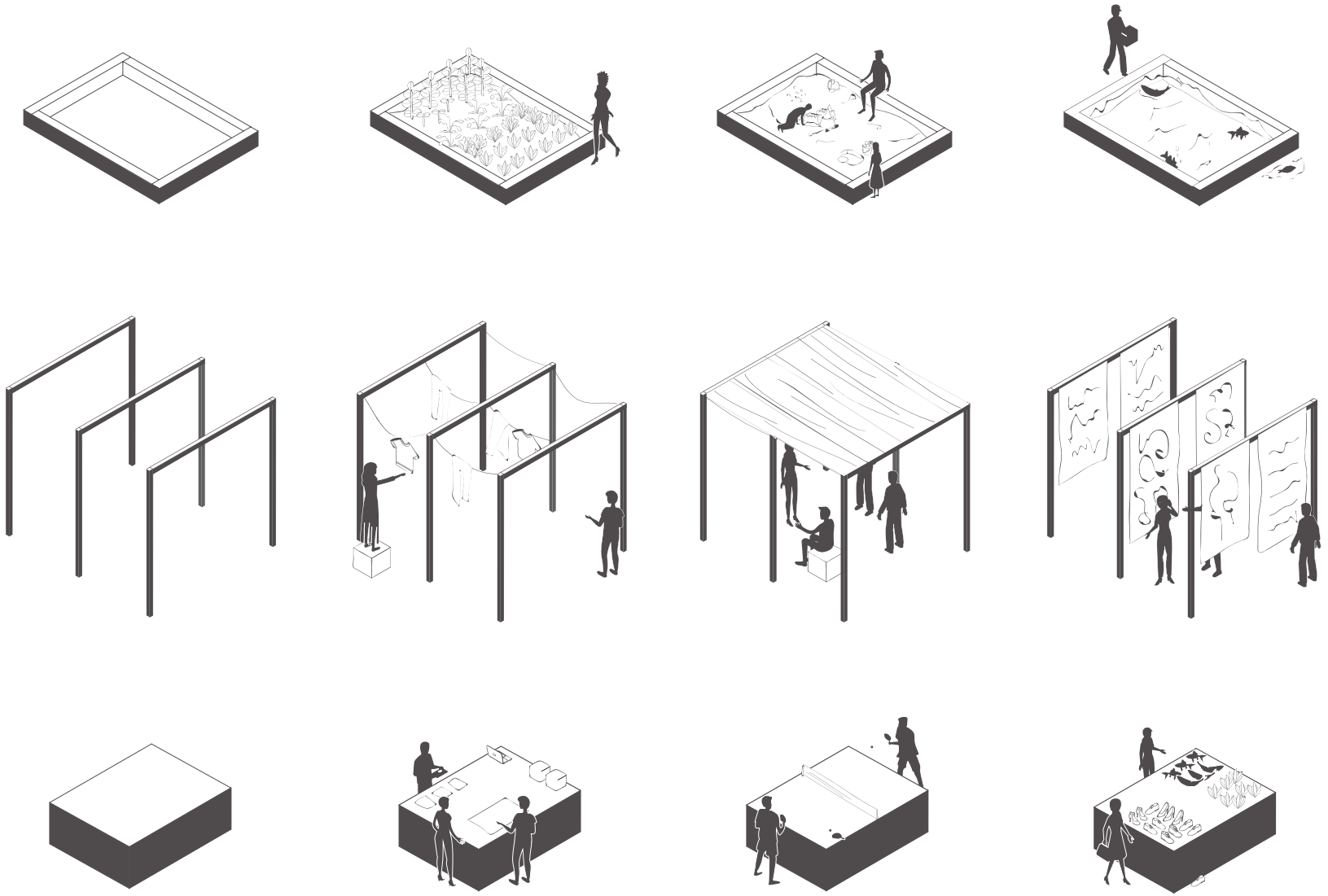
Before

NEIGHB. SCALE

COMM. SCALE

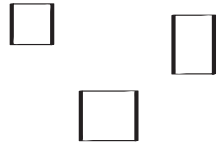


- Upgrading ‘unknown’ yet existing spare spaces
- Connect spaces with communities through infrastructure
- Flexible and adaptable infrastructure
- Close collaboration with community and existing activity. Materials found in neighbourhood.



NEIGHB. SCALE

COMM. SCALE



Upgrading ‘unknown’ yet existing spare spaces

Connect spaces with communities through infrastructure

Flexible and adaptable infrastructure

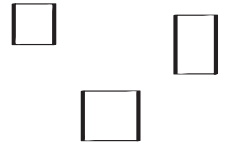
Close collaboration with community and existing activity. Materials found in neighbourhood.

Upgrading Project Ghana

After

NEIGHB. SCALE

COMM. SCALE



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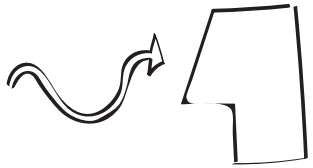
B. Environment

CITY SCALE

NEIGHB. SCALE

NEIGHB. SCALE

COMM. SCALE



Before

CITY. SCALE

NEIGH. SCALE

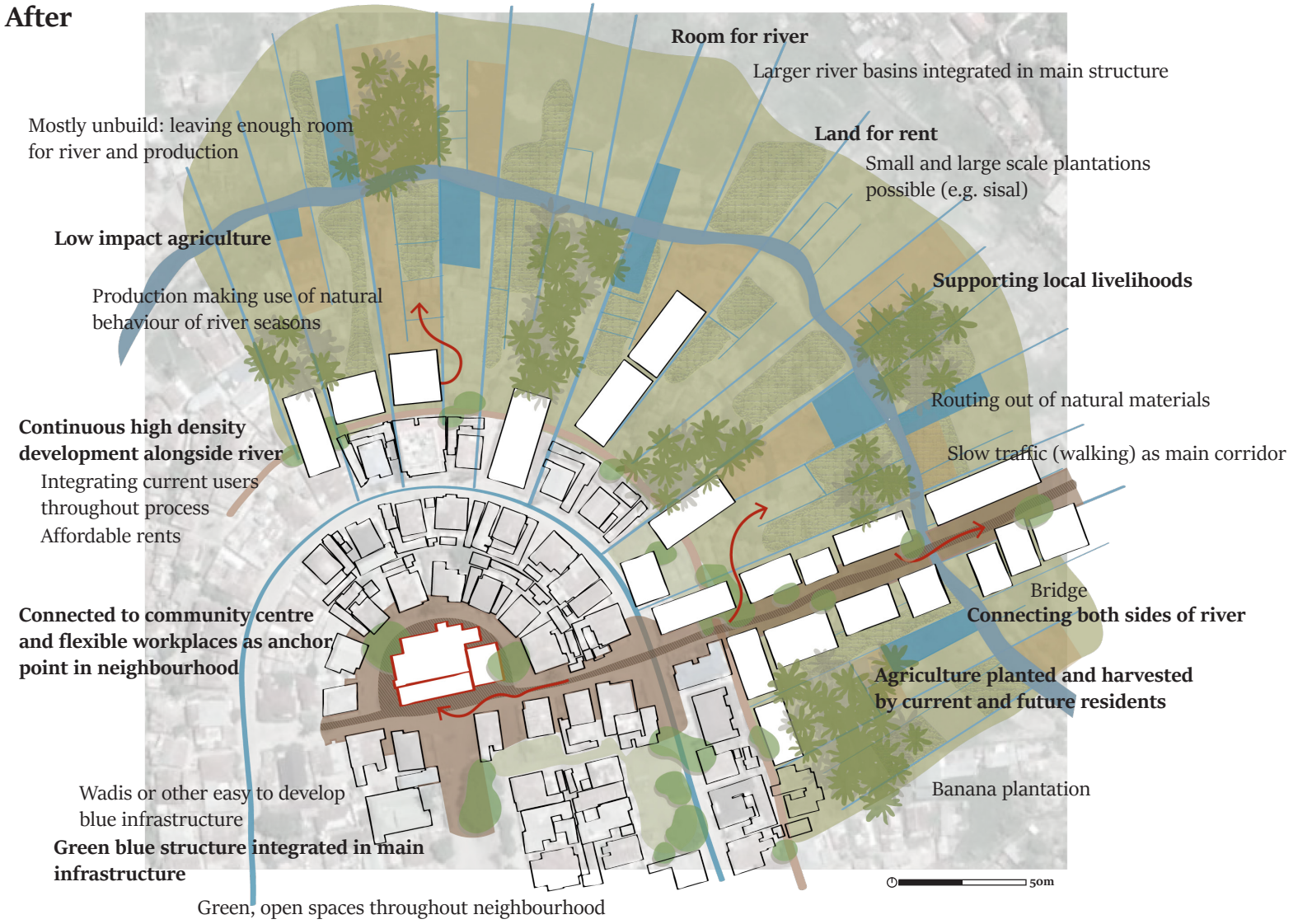
Make room for main river structure
Make room (space for-) and connect

Ecological network integrated in road structure neighbourhood

Productive river landscape for livelihoods

Protecting natural landscape through making space.
Dispersing responsibility with integrating locals as end-users

After



CITY. SCALE

NEIGH. SCALE

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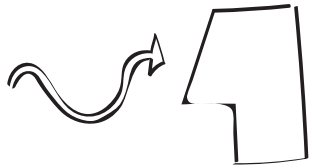
Example projects Egypt

Before

NEIGHB. SCALE

COMM. SCALE



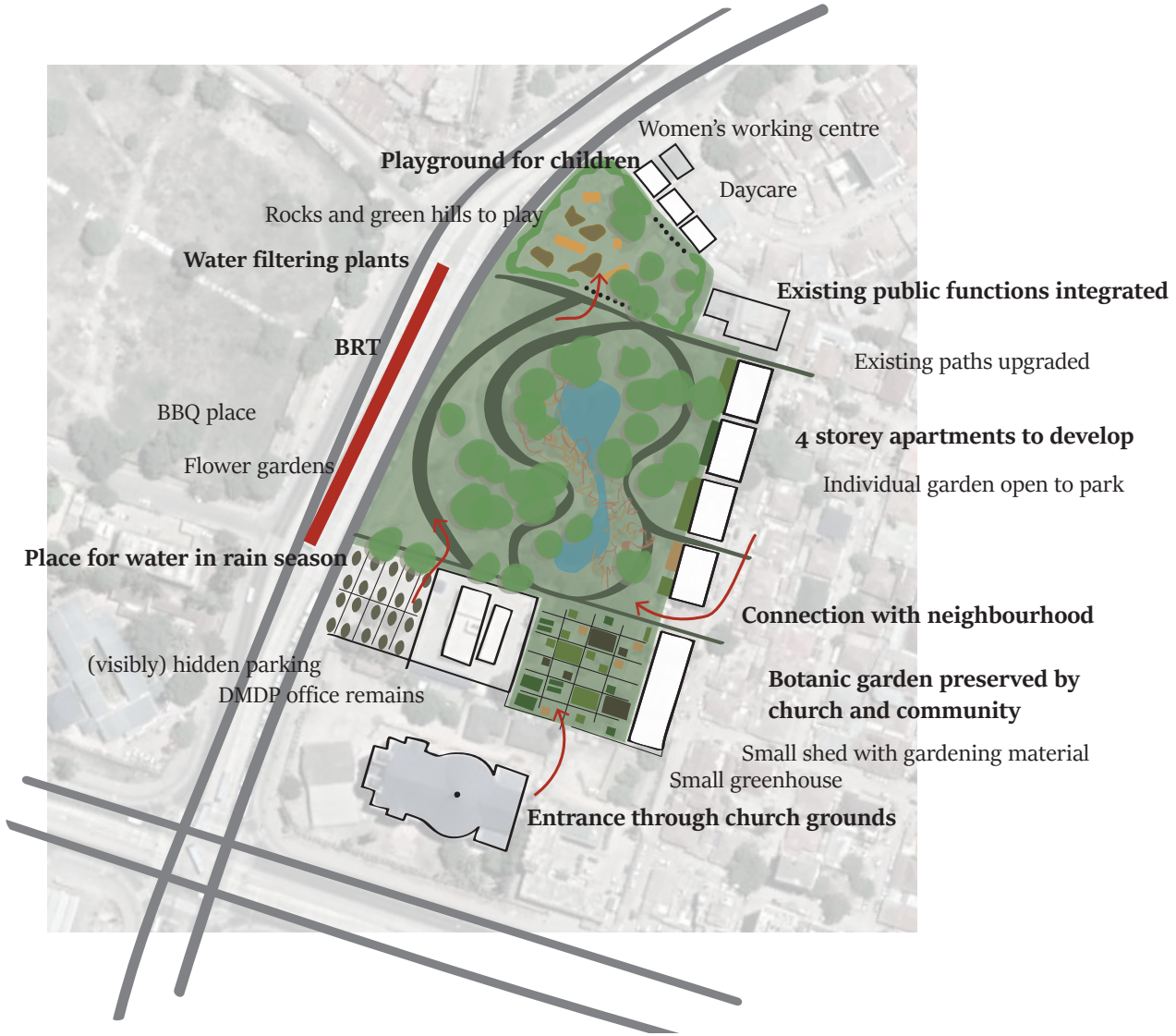
Space for ecology in the neighbourhood

Building blocks for other areas
Publicly accessible, educational value

Offer places for leisurely and group activities through the park

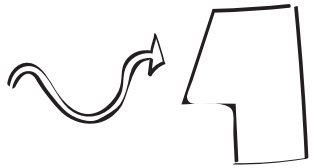
Re-integrating and protecting nature in cities.
Maintenance and upkeep through collaboration local communities

After



NEIGHB. SCALE

COMM. SCALE



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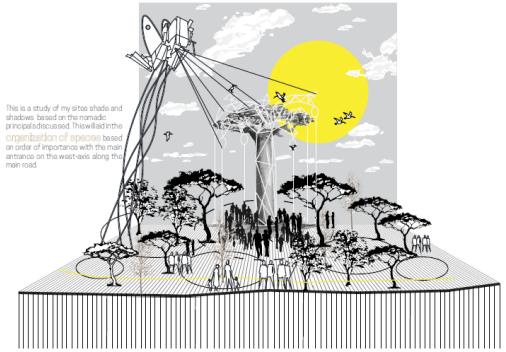
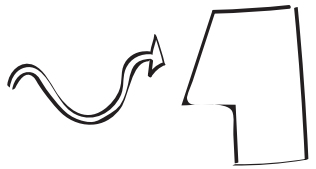
After



NEIGHB. SCALE

COMM. SCALE



Space for ecology in the neighbourhood

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Maintenance and upkeep through collaboration local communities

Dar es Salaam Open Spaces Upgrading Project

C. Living

CITY SCALE

NEIGHB. SCALE

NEIGHB. SCALE

COMM. SCALE

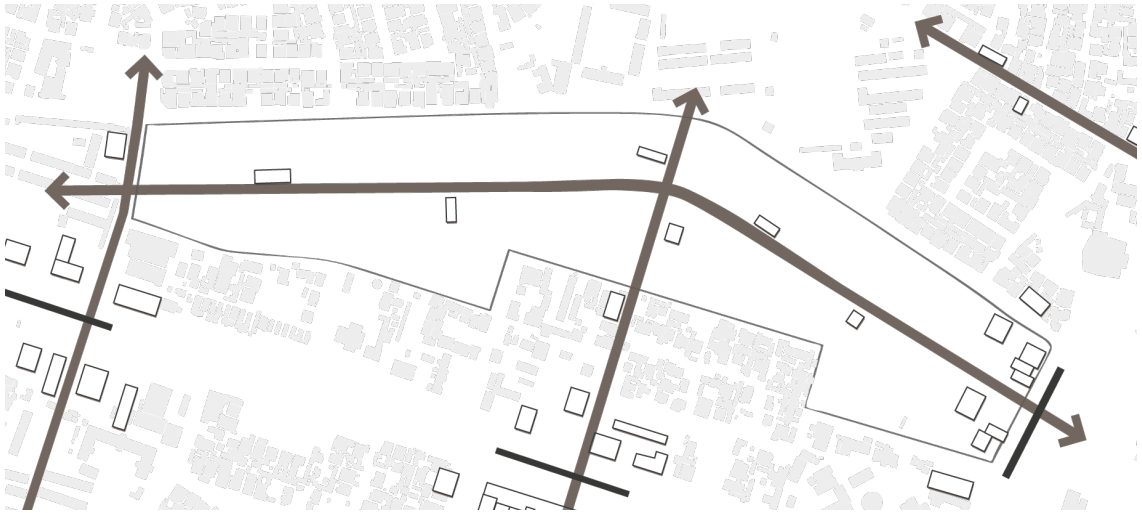
Before

CITY. SCALE

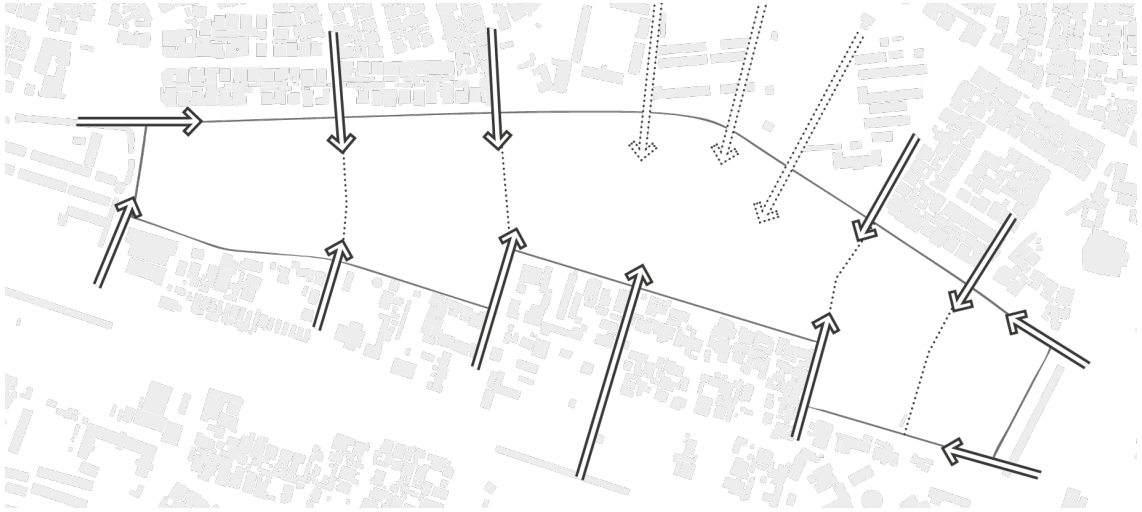
NEIGH. SCALE

- Good living and community places
- Physically and functionally connect with context
- Accessibility to surrounding area.
- Develop together with future residents. Integrate environmental context.

After



1. Public transport accessibility (BRT) determines the main corridor



2. Integrate surrounding infrastructure

CITY. SCALE

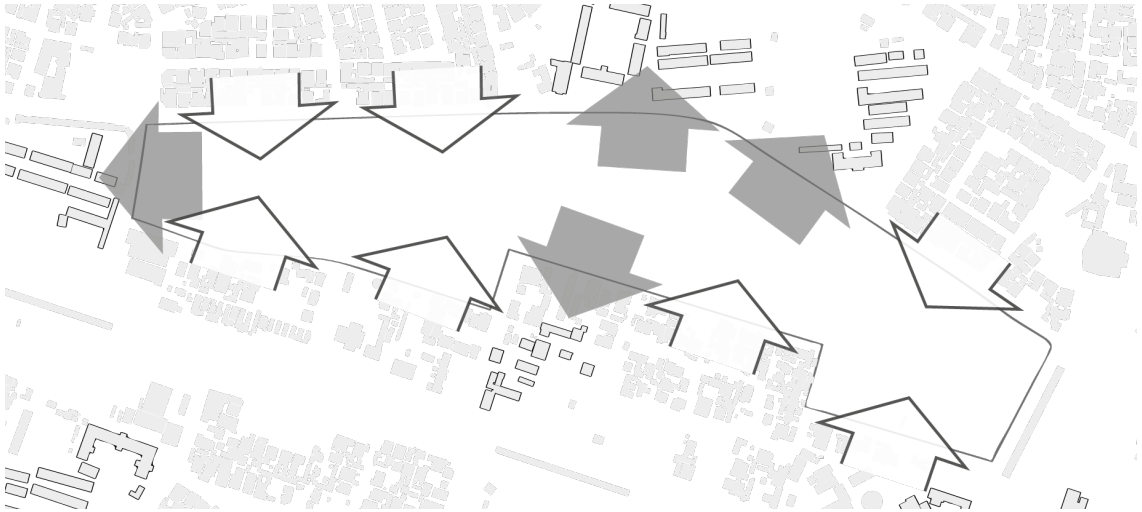
NEIGH. SCALE

Good living and community places

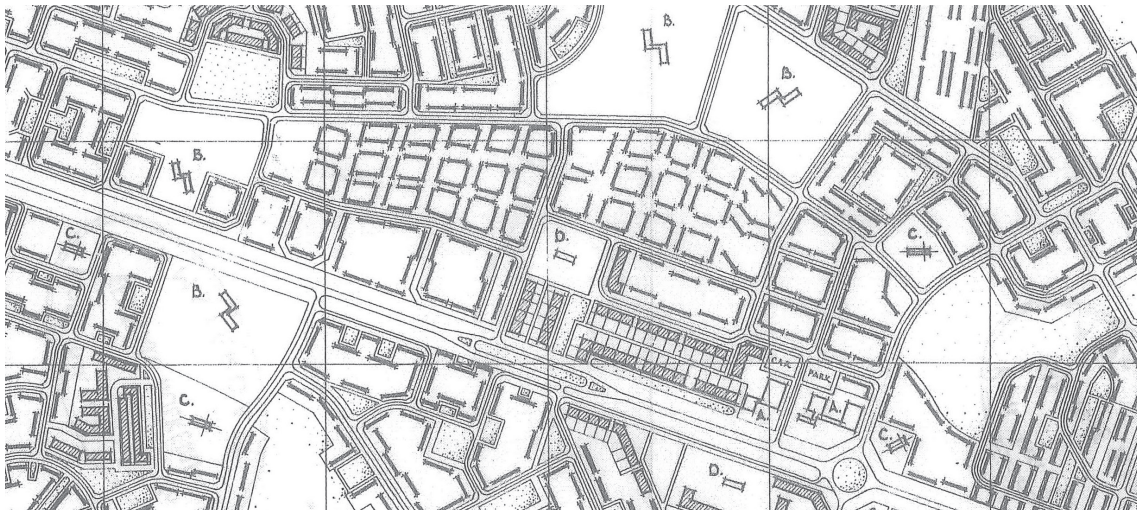
Physically and functionally connect with context

Accessibility to surrounding area.

Develop together with future residents. Integrate environmental context.



3. Weave in surrounding functions and building typologies



4. Reminiscing the African city of the past: genius loci

CITY. SCALE

NEIGH. SCALE

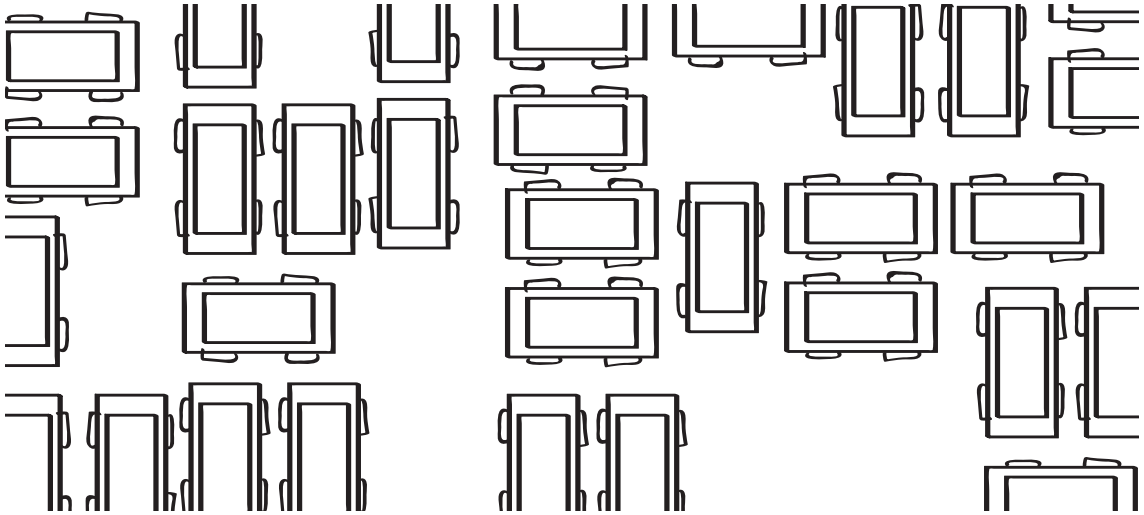
Good living and community places

Physically and functionally connect with context

Accessibility to surrounding area.

Develop together with future residents. Integrate environmental context.

5. African conditions



6. Foreseeing the African city of the future

CITY. SCALE

NEIGH. SCALE

Good living and community places

Physically and functionally connect with context

Accessibility to surrounding area.

Develop together with future residents. Integrate environmental context.

Before

Private> ~~Semi private>Community>Semi public~~ >Public

NEIGHB. SCALE

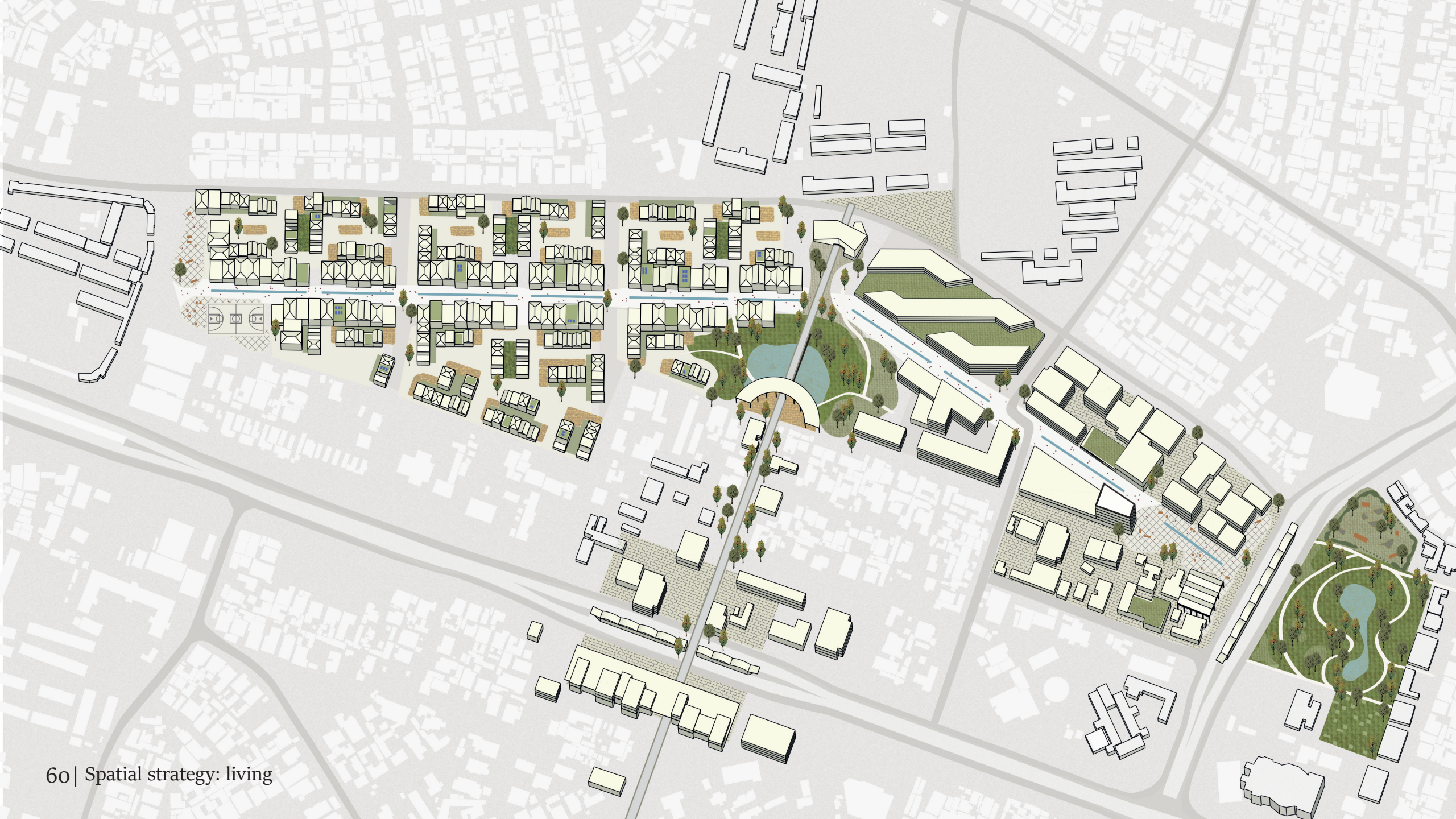
COMM. SCALE

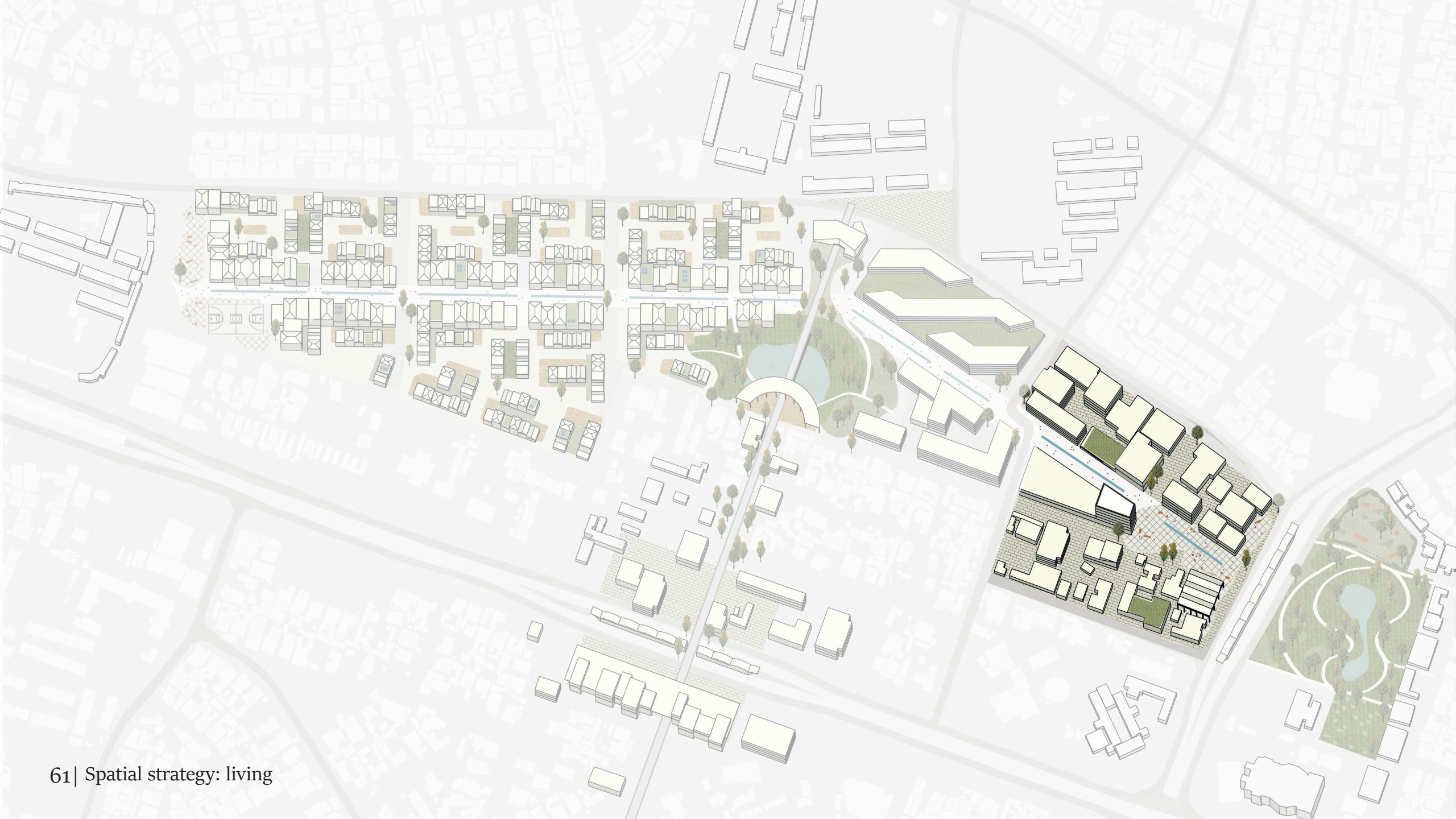
Community centred building typologies.

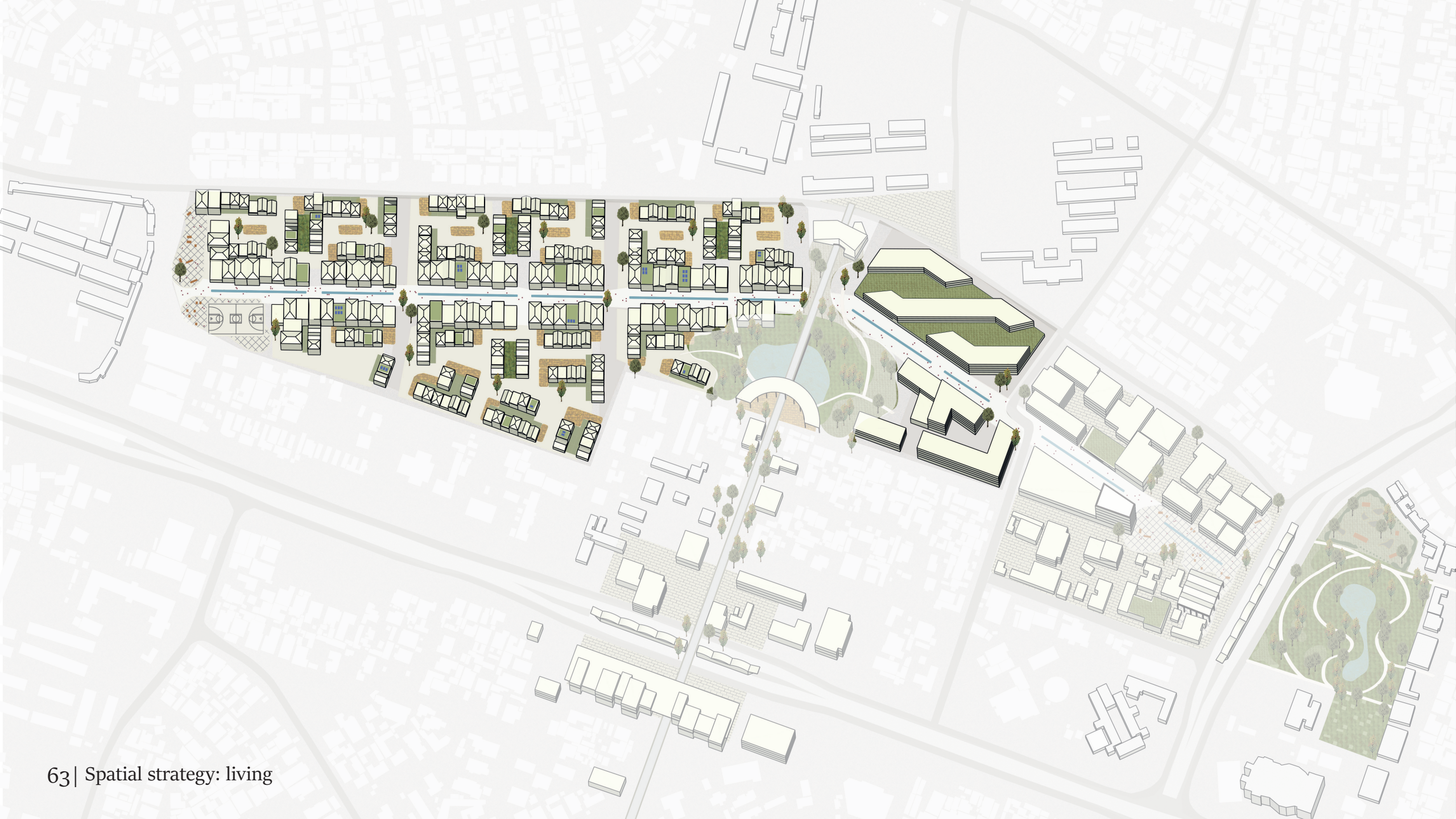
Connect with socio-cultural habits through conscious transitions from private to public

Sites and services system. Buildings should be constructed to be vertically expanded. Integrate open spaces to interact and work.

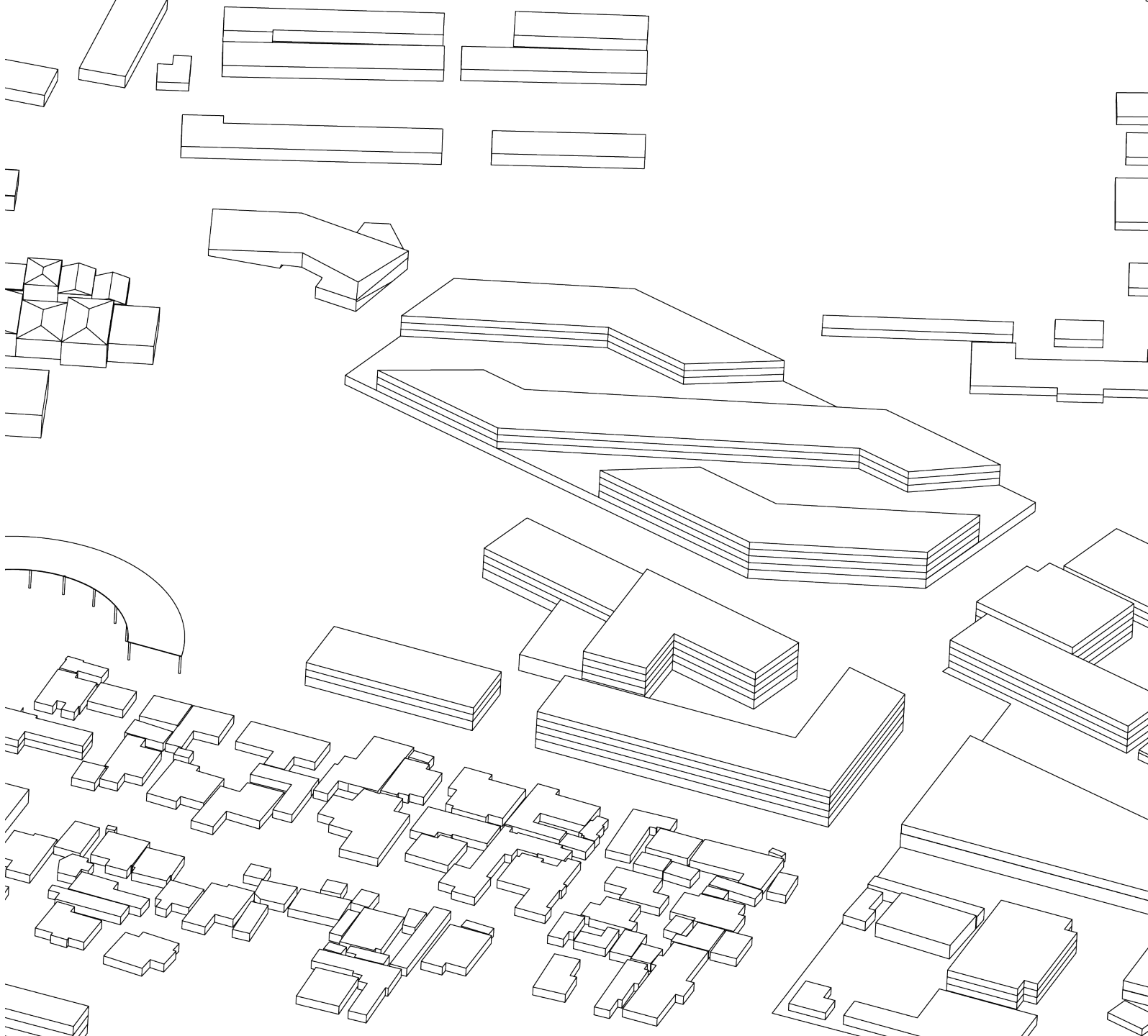
Responsibility placed with residents after basic guidelines= new way of planning.

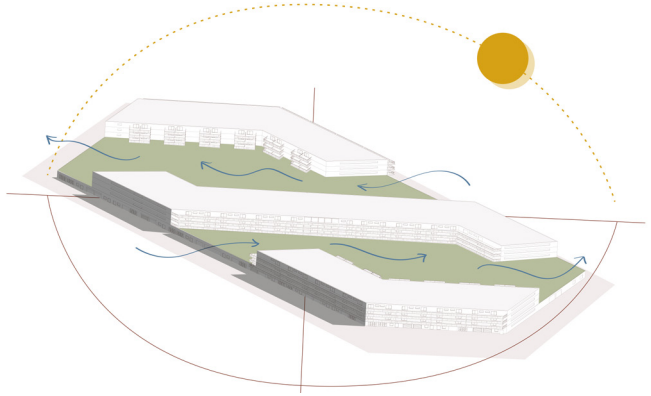


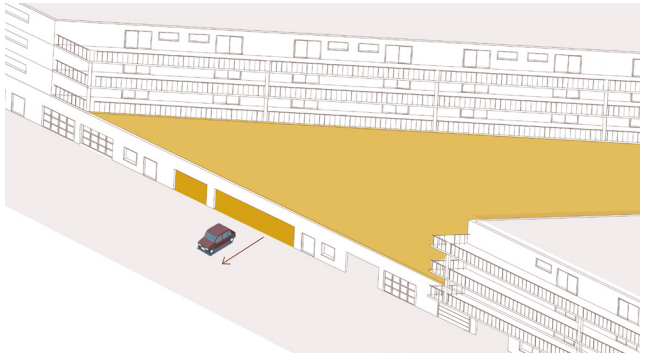


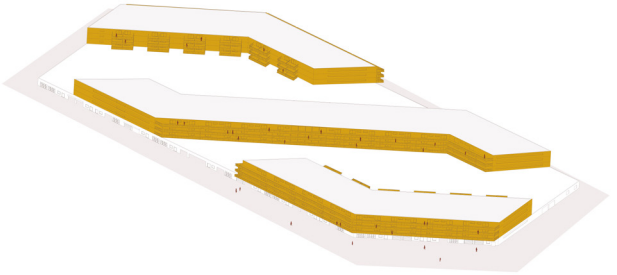


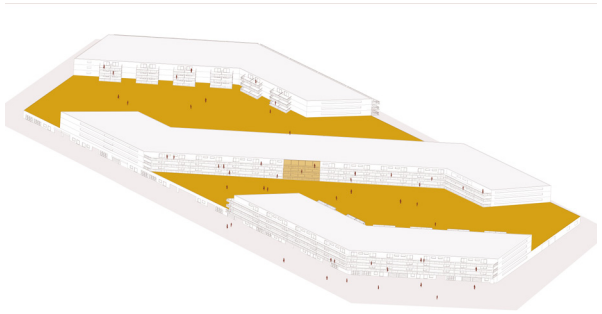
FUNDI SIMU

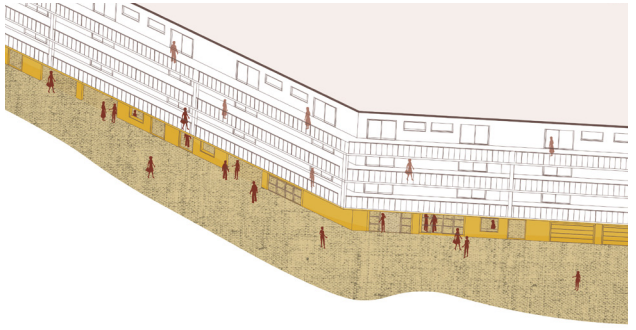


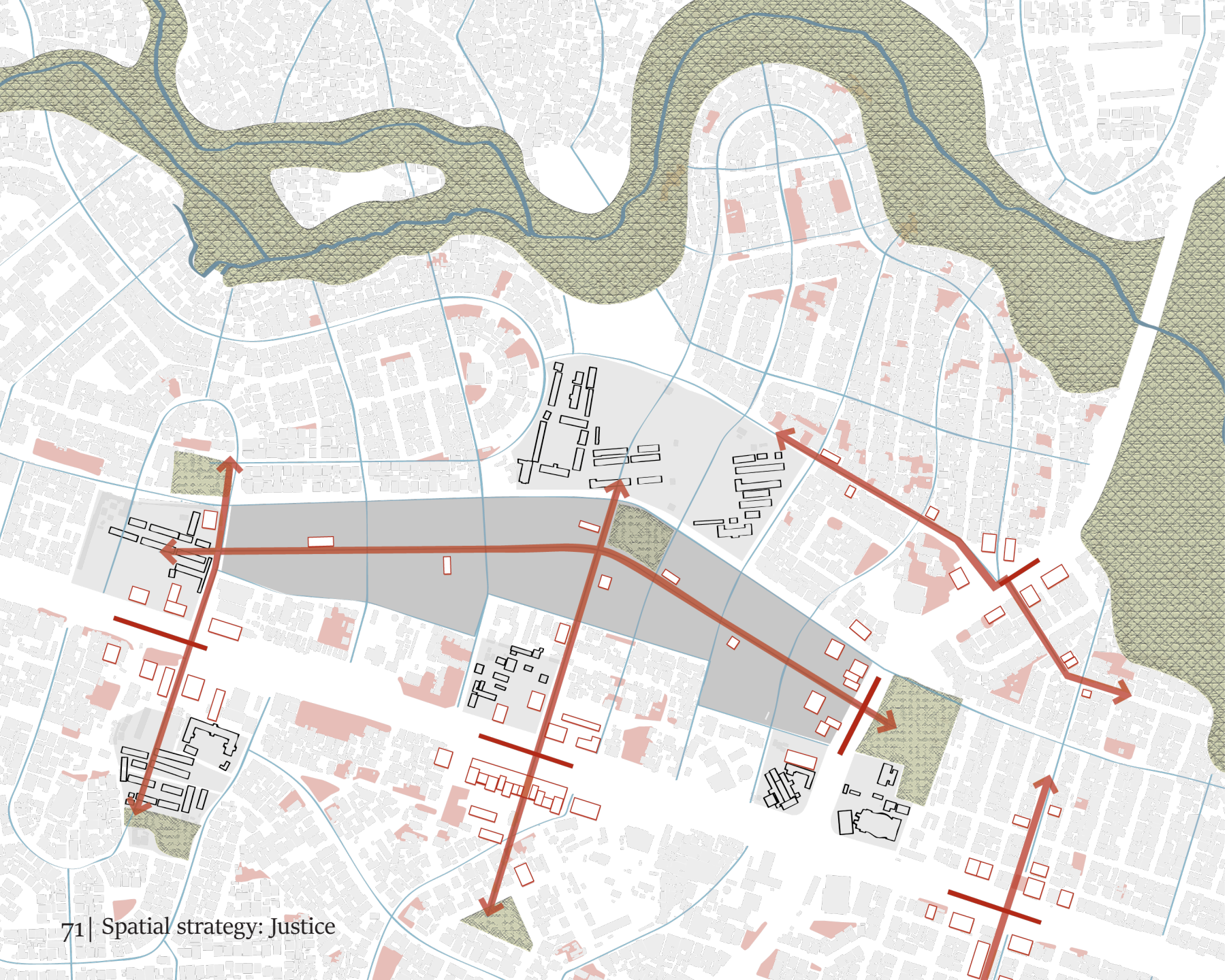












D. Justice

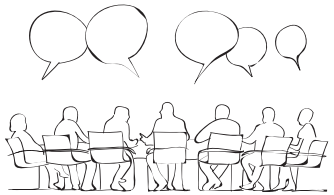
Sustainable communities

Harmony between built environment, people and natural environment

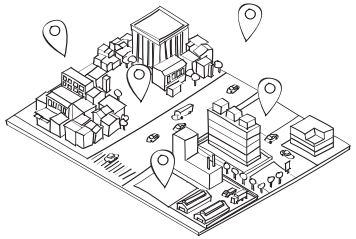
Incremental capacity of skills and knowledge

Critically placed within economic, environmental and organisational context

Discuss

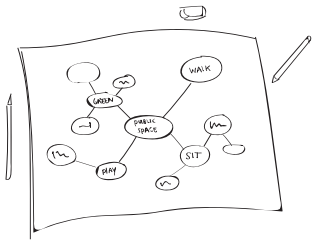


Round table discussion



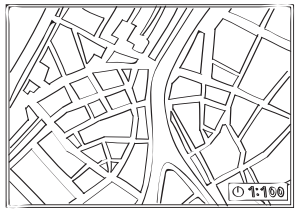
Discussion map/model

Roleplay



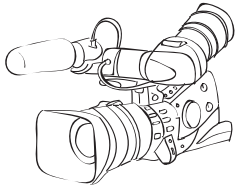
Word cloud

Inform

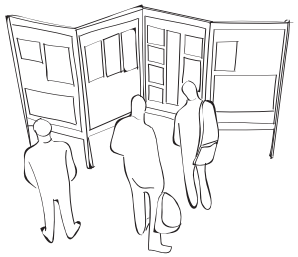


Existing model/map

(exemplary) site or project visit

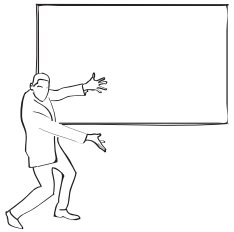


User interview



Exhibition

Impress

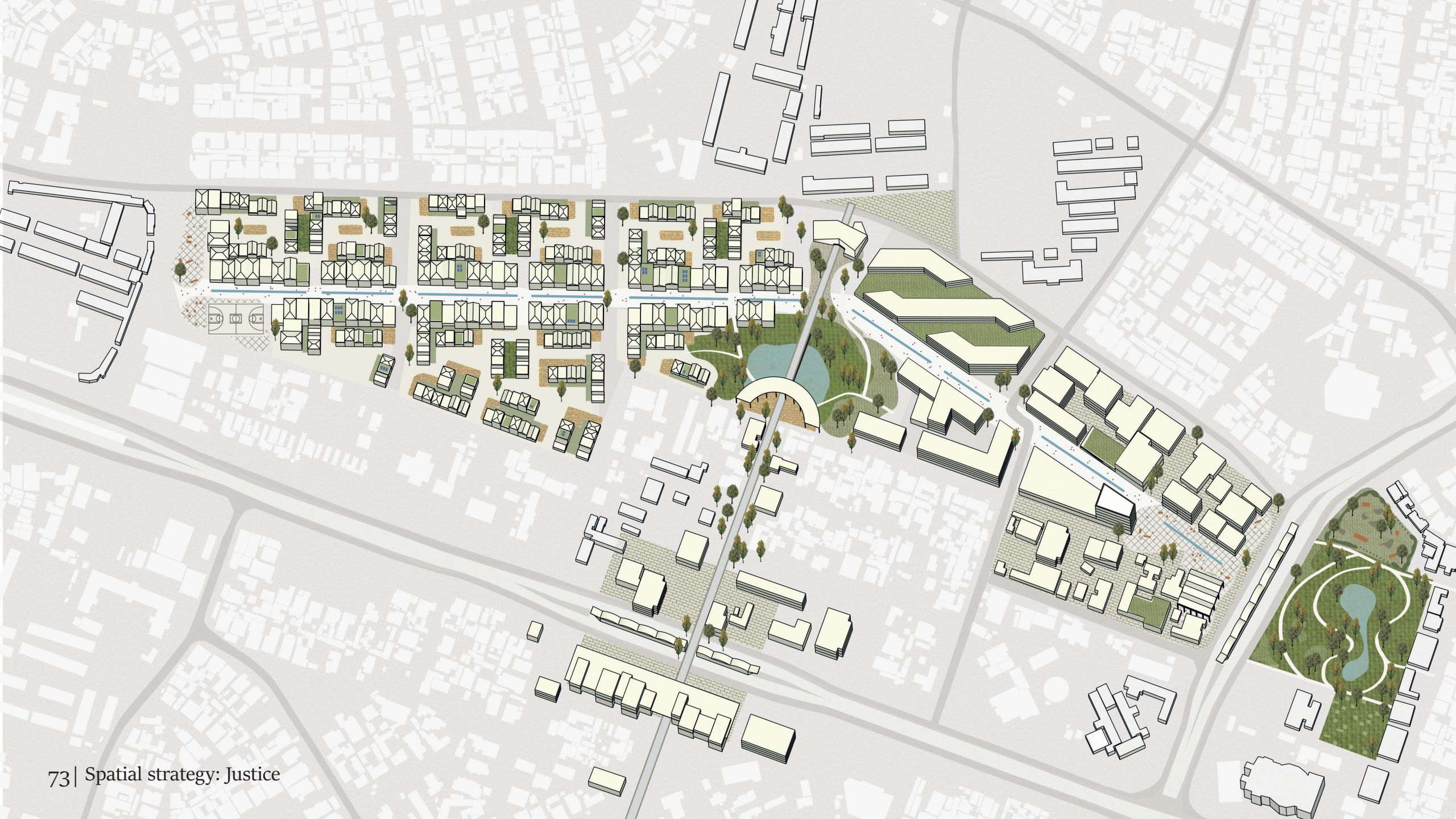


Final presentation

(digital) visualisation in image or drawing

Title

3D visualisation



THANK YOU