



# Inequality and Life Fulfilment

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Modernism, Traditionalism and Happiness in the Greater Gaborone Region

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Thesis P5 Presentation

TU Delft Urbanism  
June 26, 2023

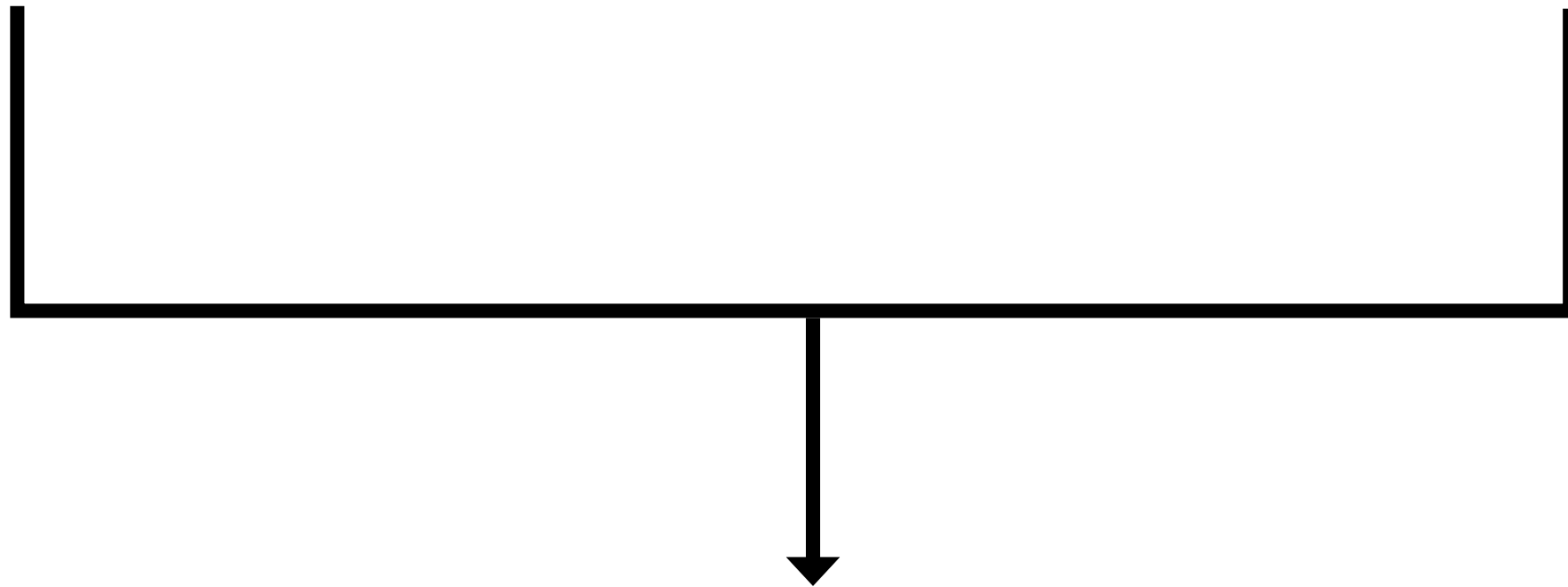


# What is the point of a city?



# Culture

# Value System



# Answer



# Capitalism



# Economic Production



# Collectivism



# Community Advancement



What if the point is  
enabling people to live  
fulfilling lives?



What is preventing  
its achievement

# Life Fulfilment

Understand People and  
Societal Underpinnings

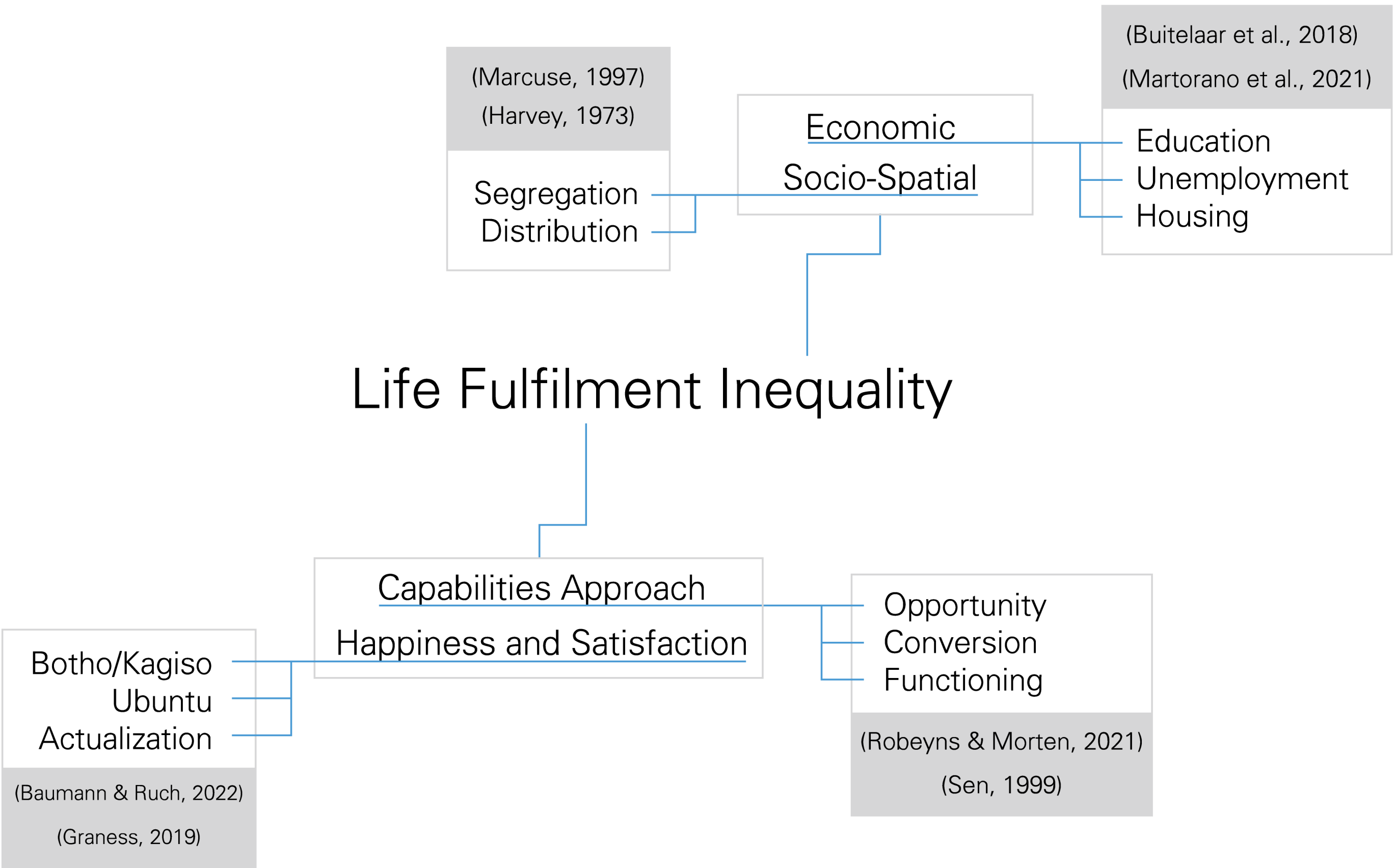


Location



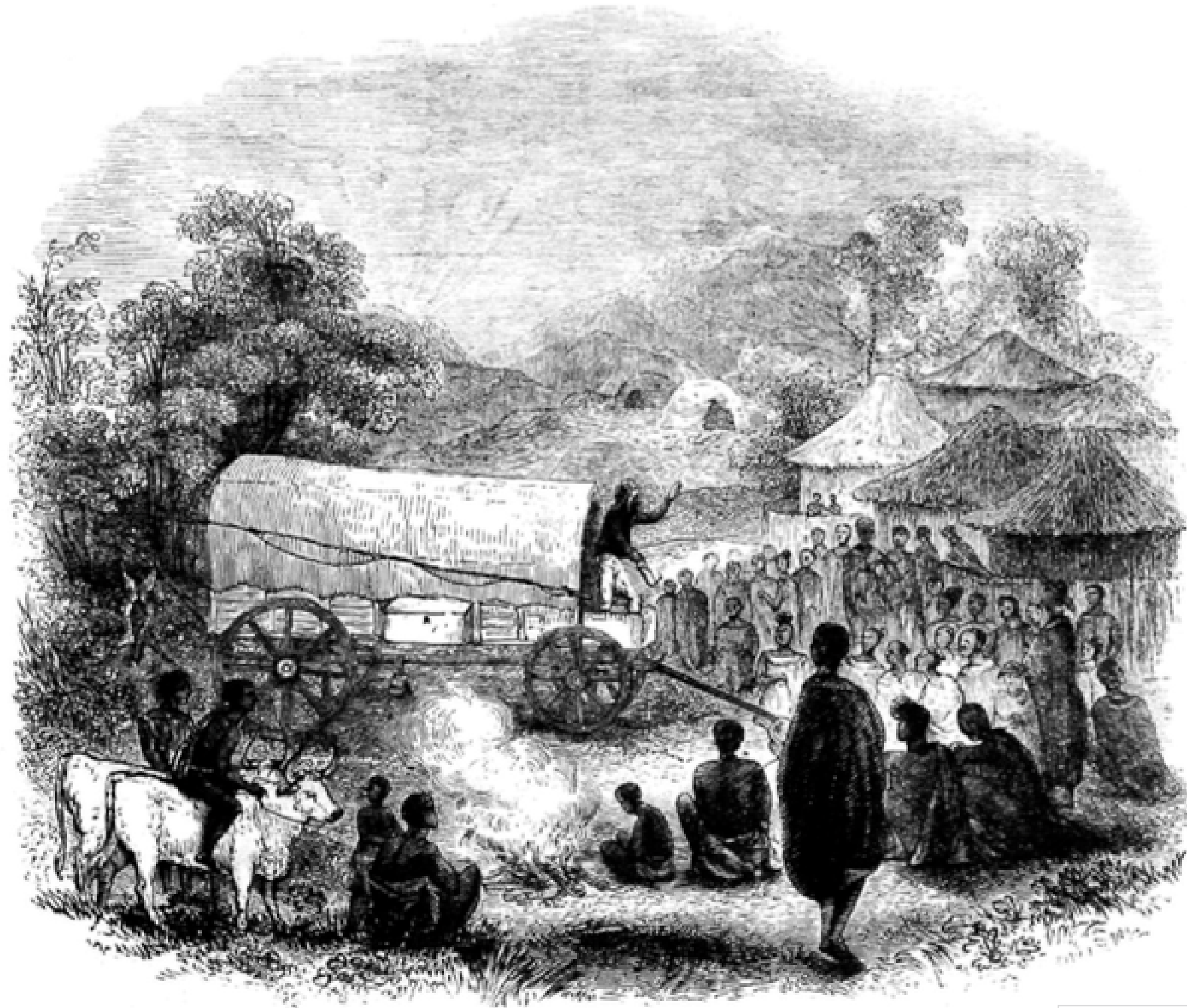
Source: Author, from (Andreas 06, 2018)







Year: 1840



Source: (Moffat, 1842)

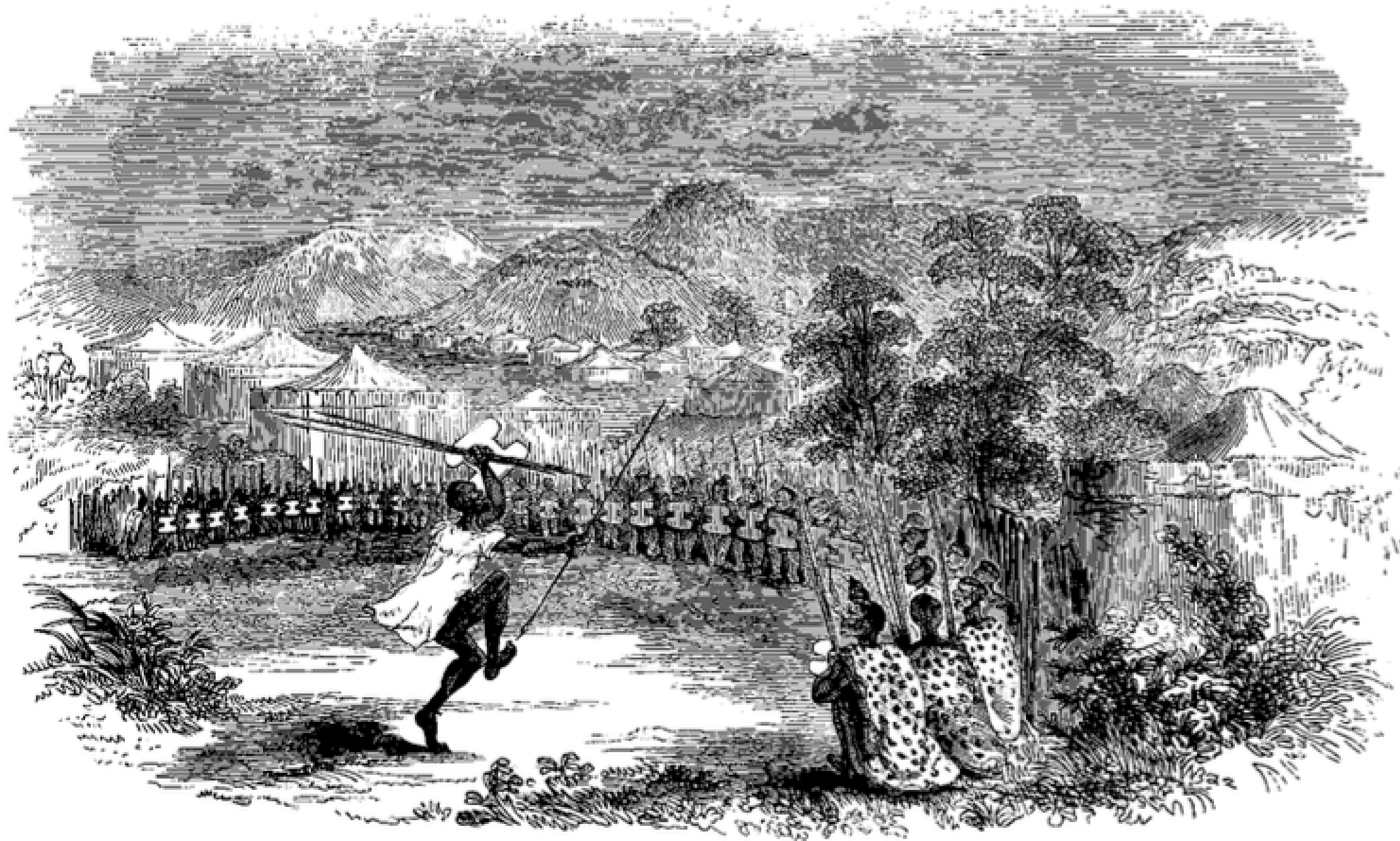
Botho/Kagiso  
Ubuntu  
Actualization

Happiness and Satisfaction

9/90



Year: 1840



THE BECHUANA PARLIAMENT.

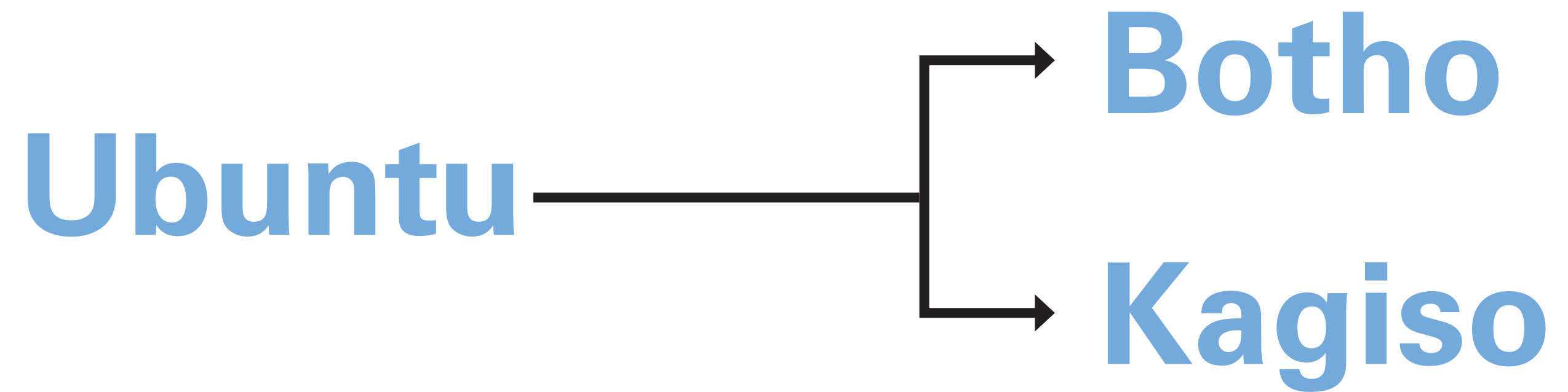
Page 314.

Source: (Moffat, 1842)

Botho/Kagiso  
Ubuntu  
Actualization

Happiness and Satisfaction

10/90





# Kagiso

## What

- Social Harmony
- The Common Good
- Rules and practices outlined in Tswana law and custom
- Fear/aversion to social tension
- Need for reconciliation between conflicting parties
- Willingness to live with dissenting opinions

## Where

- The Tswana Merafe
- In all villages, fields and cattle posts
- At Kgotla meetings

## Who

- Kgosi is the most important steward of kagiso
- All members of the tribe must actively promote development and advancement

## Why

- The advancement of kagiso promotes good health, good crops, plentiful rains, etc.
- The creation of social tension of social tension creates a heat (mogote) in the atmosphere, which causes bad health, droughts, poor crop yields, etc.
- The destruction of kagiso can sadden or harm the ancestors of the tribe. This sadness will be returned to living residents through some type of negative consequence

## When

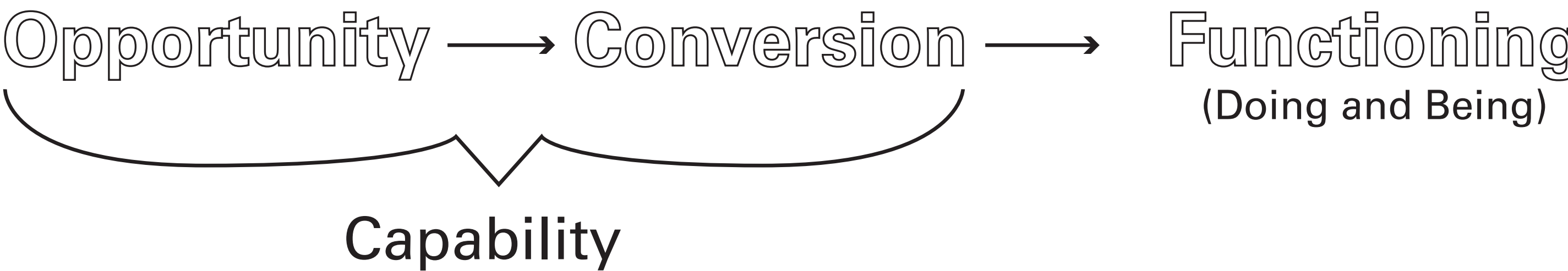
- All the time

## How

- Consultation and consensus forming in decision making through kgotla meetings
- Constant holding to account from one to another
- Promotion of internal Botho from a very young age

**Kagiso ke go bona mabele - Peace gives plenty of corn**

# A Societal Understanding - The Capabilities Approach

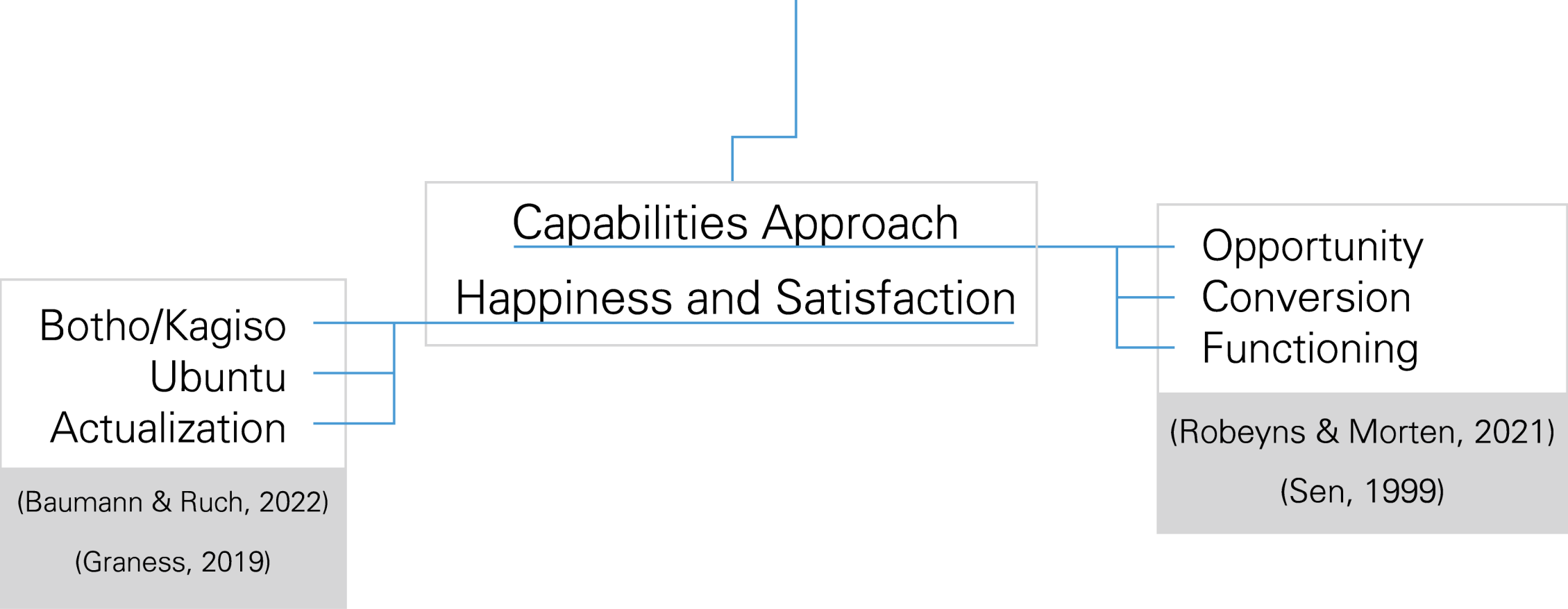




# A Societal Understanding - The Capabilities Approach



# Life Fulfilment





Year: 1885



Source: (Stanford, 1904)

- Economic
- Education
- Unemployment
- Housing



Year: 1966



## Botswana is Born

*Above: The opening of the Independence Conference on February 14th at Marlborough House, London. Facing the Bechuanaland Representatives are Mrs. Eirene White, Parliamentary Under Secretary of State for the Colonies and Lord Longford, Secretary of State for the Colonies. On the Bechuanaland side of the table are (from the right) Sir Hugh Norman-Walker, Queen's Commissioner; Chief Bathoen II; Dr. Seretse Khama, Prime Minister of Bechuanaland; Mr. Q. K. J. Masire, Deputy Prime Minister; Mr. P. G. Matante, Leader of the Opposition; and Mr. A. G. Tilbury, Attorney-General.*

*Opposite page: The Colonial Secretary, Lord Longford, making his opening speech, while Dr. Khama listens intently.*

*Below: Chief Bathoen II and Sir Hugh Norman-Walker at the conference table.*



Source: (Brand Botswana, 2019)

Economic

Education  
Unemployment  
Housing

17/90



# Diamonds!



Source: (Google, 2023)

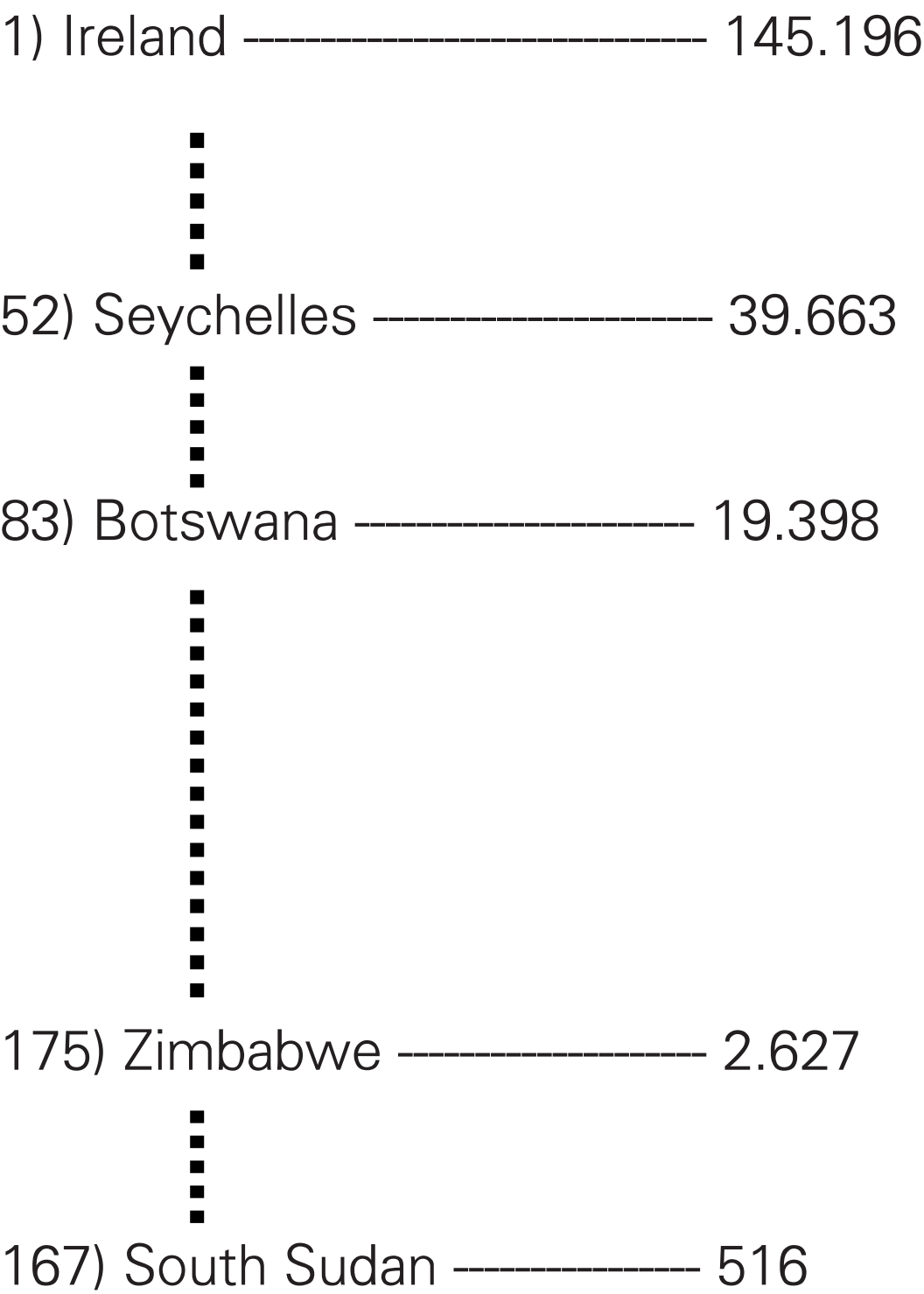
Economic

Education  
Unemployment  
Housing



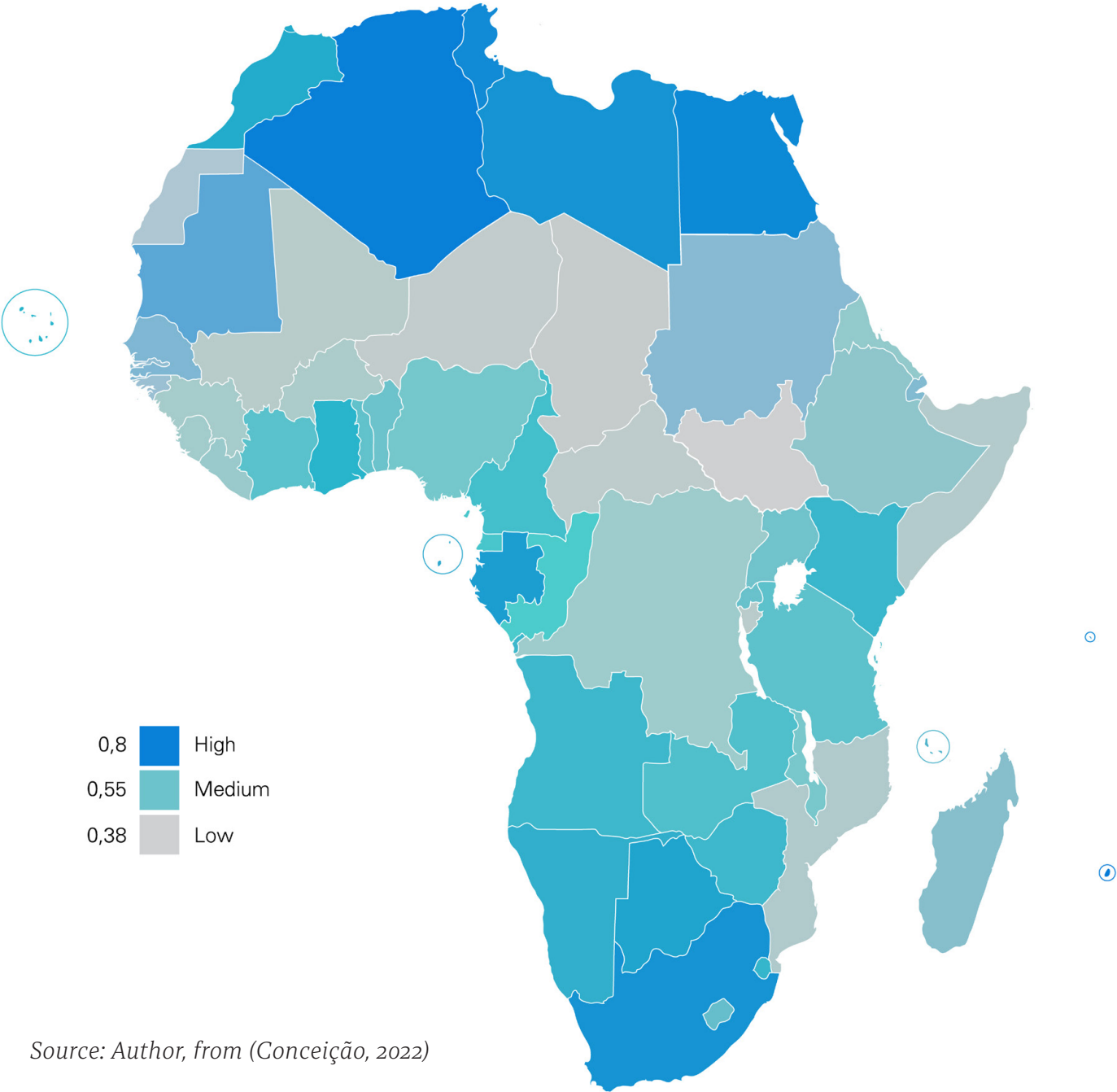
# Botswana Today

## GDP Per Capita (PPP Adjusted)



Source: (IMF, 2023)

## Human Development Index



Source: Author, from (Conceição, 2022)

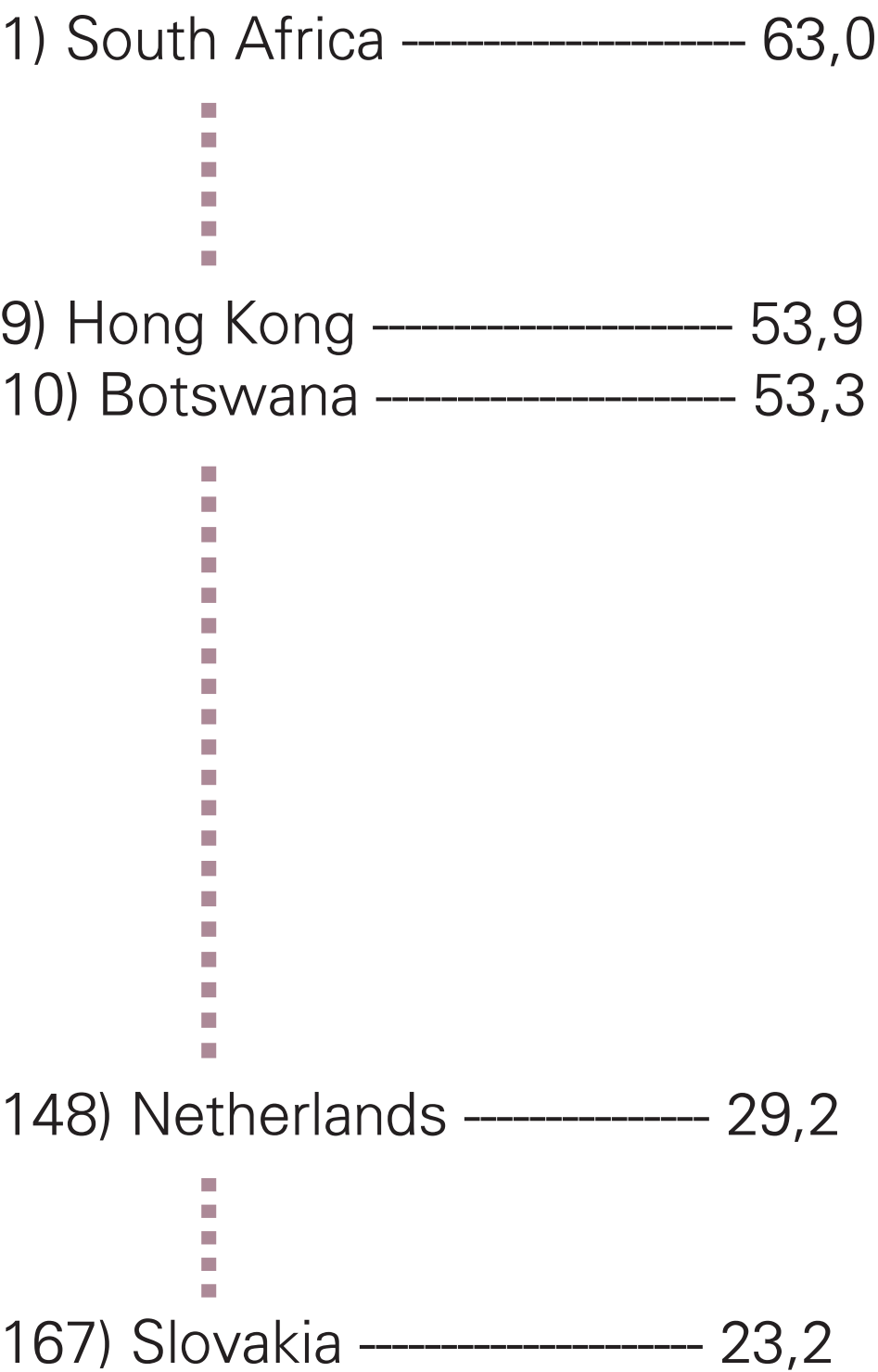
Economic

- Education
- Unemployment
- Housing



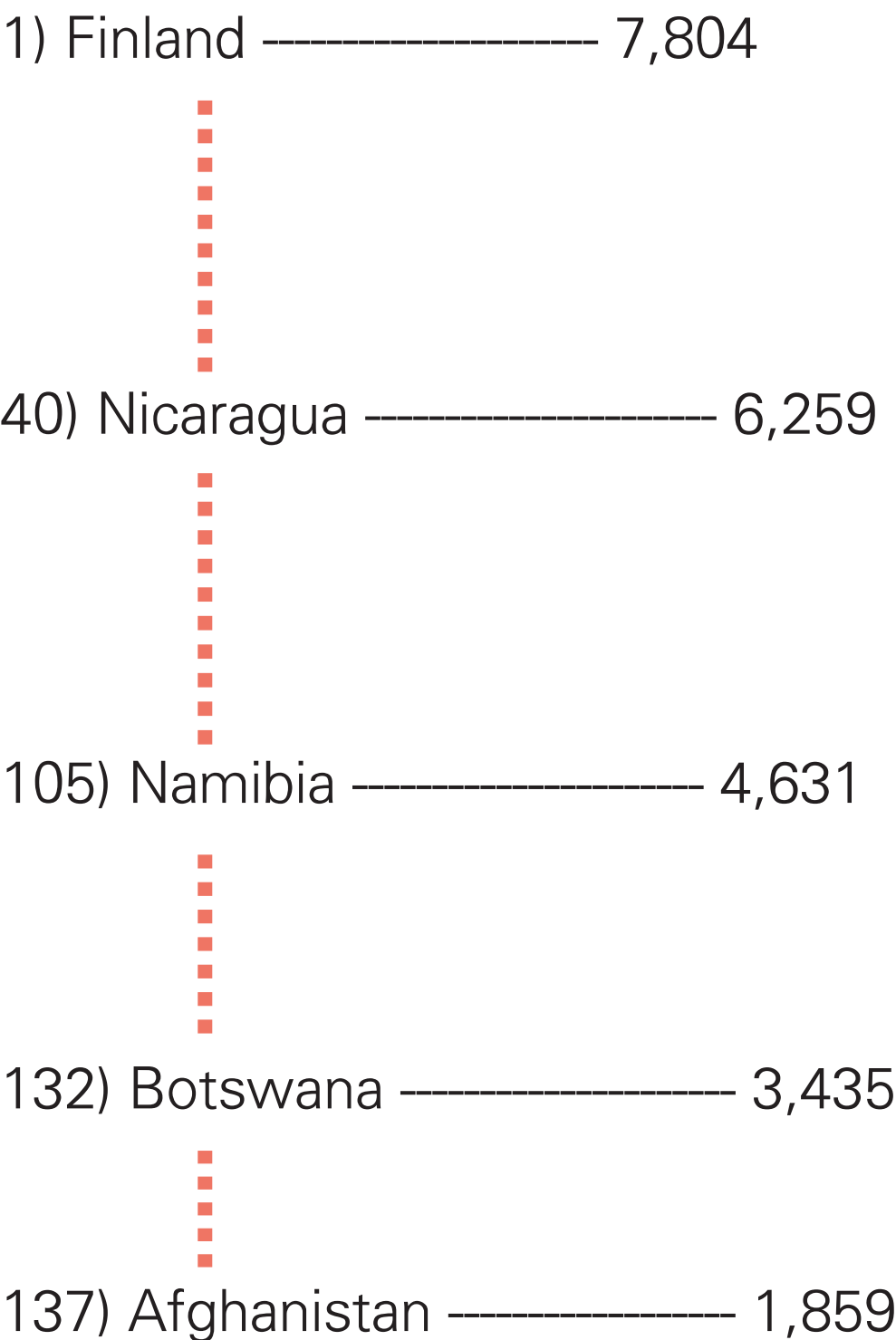
# Botswana Today

## Inequality



Source: (Botswana - the World Factbook, n.d.)

## Happiness



Source: (Helliwell et al., 2023)

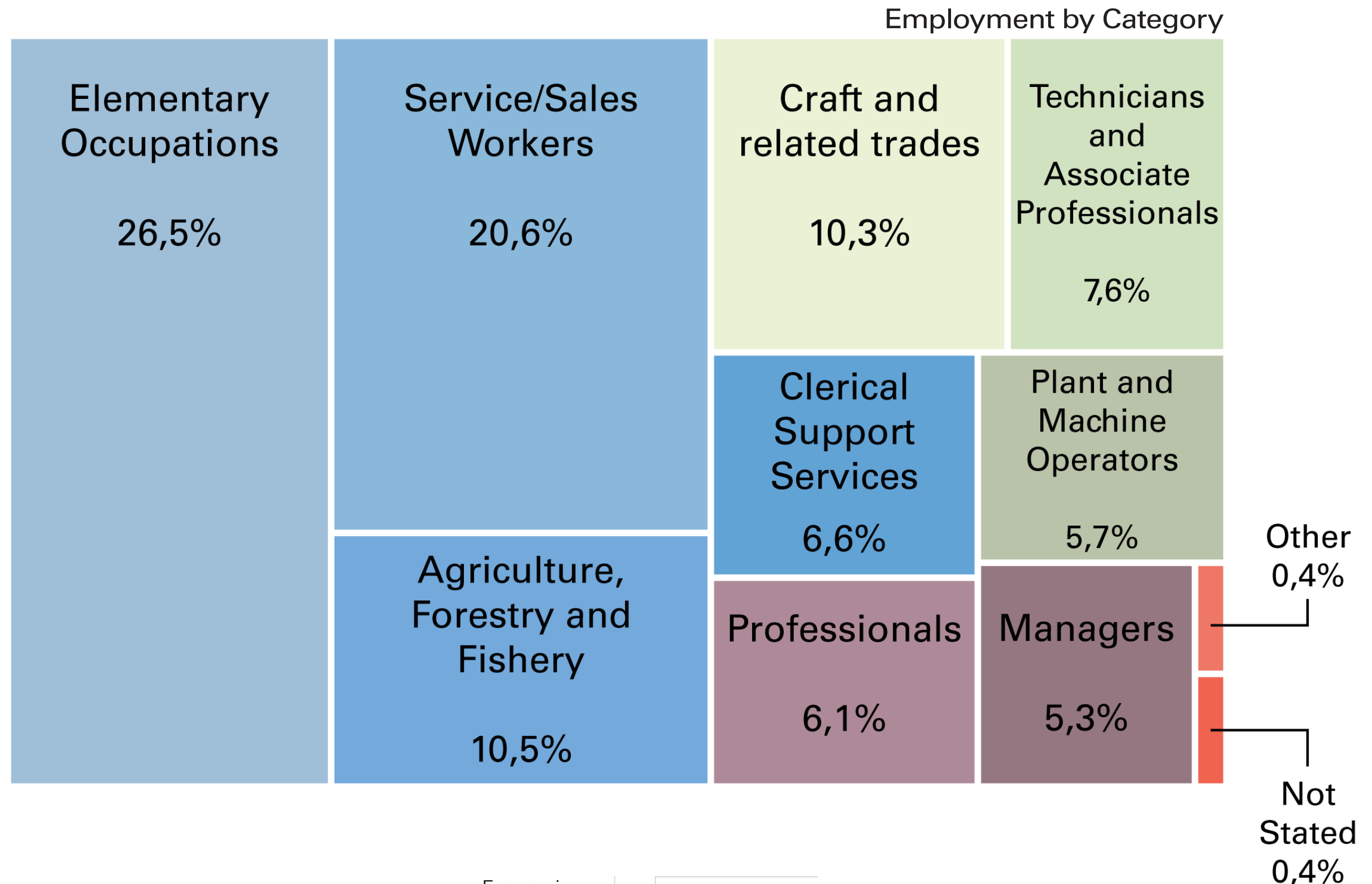
Economic

Education

Unemployment

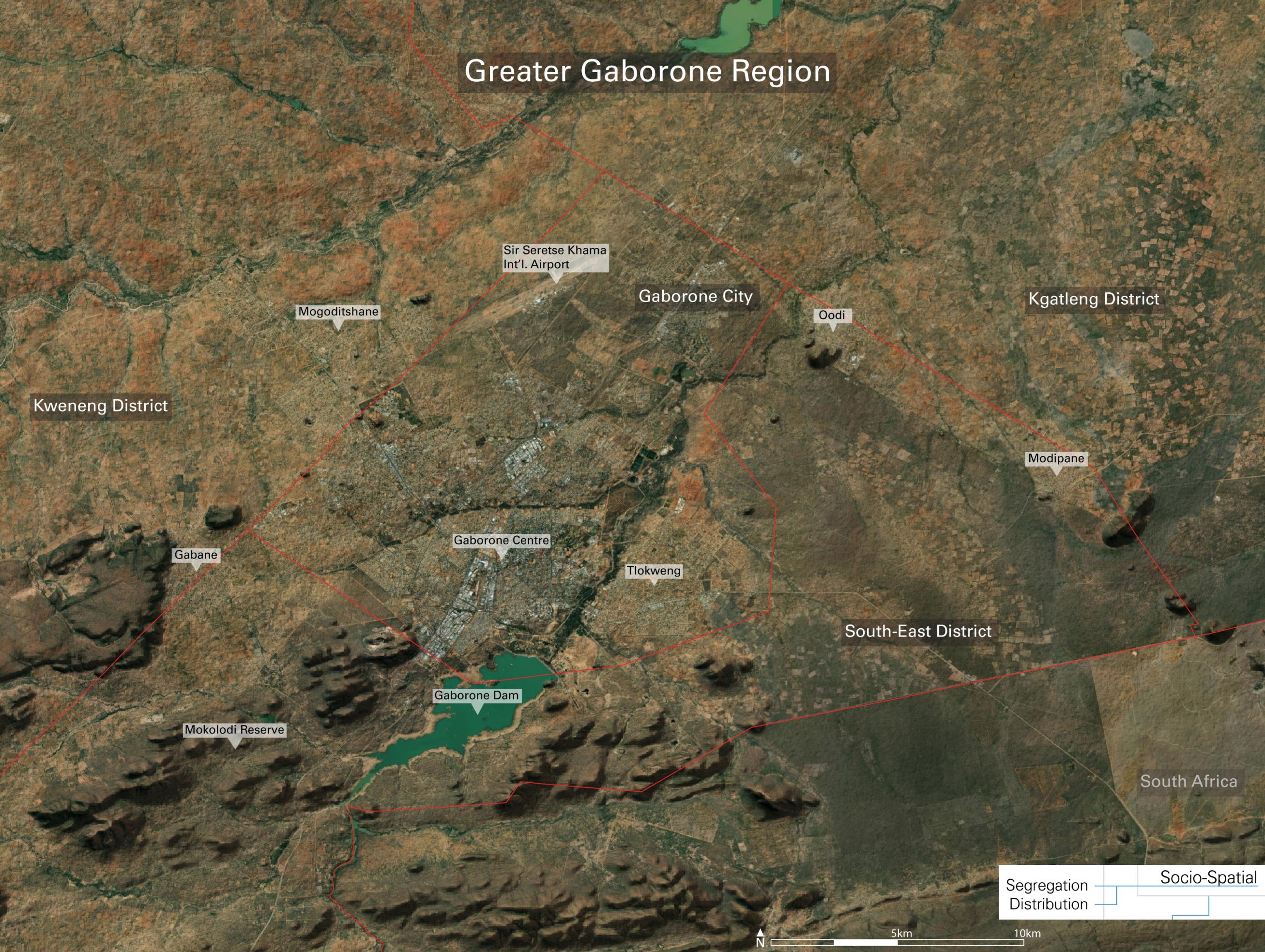
Housing

# Analysis and Description of Modern Society



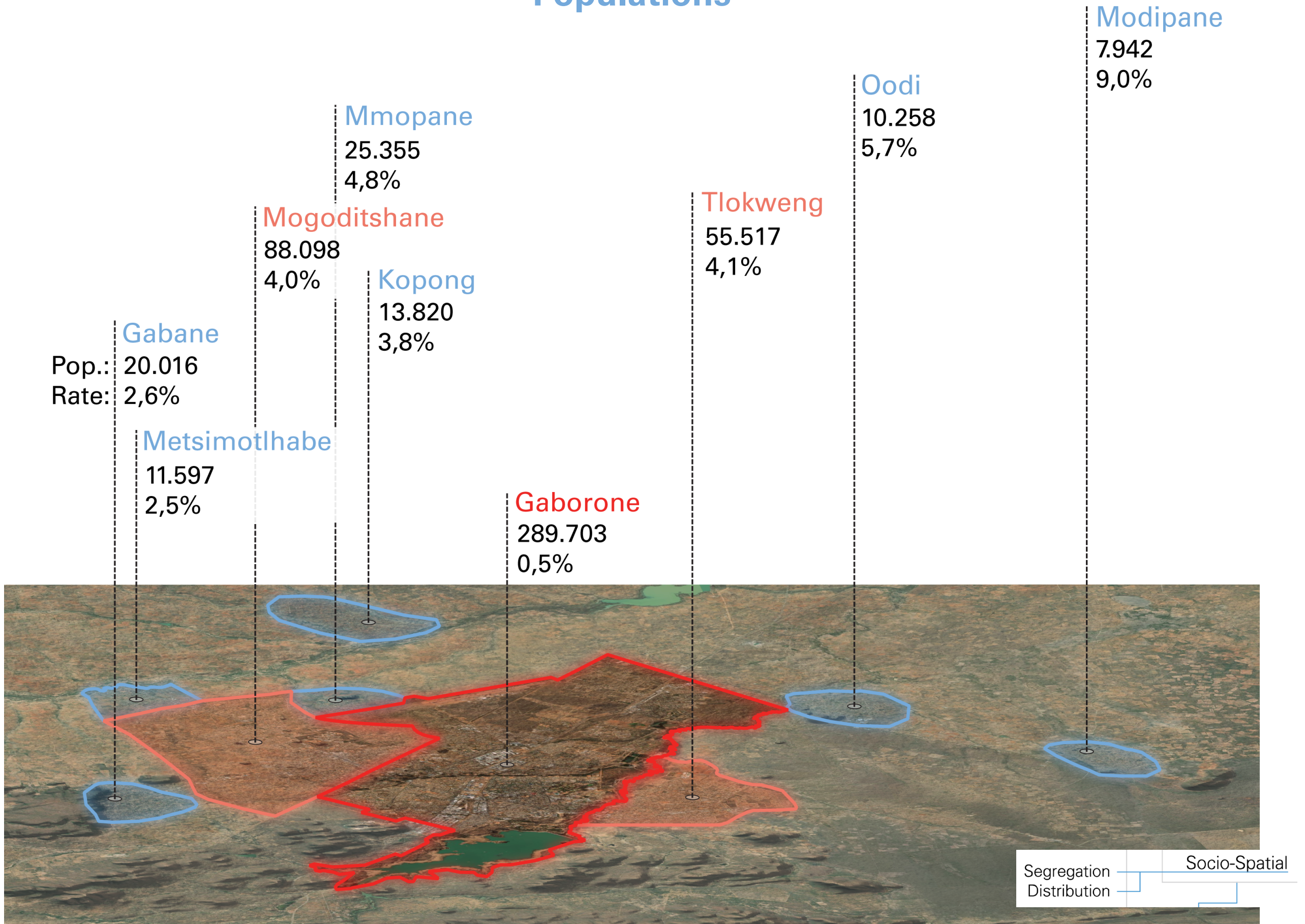
Source: Author, from (Statistics Botswana, 2018)







# Populations





# City Centre



Segregation  
Distribution

Socio-Spatial



# Village



Segregation Distribution		Socio-Spatial
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# Inequality

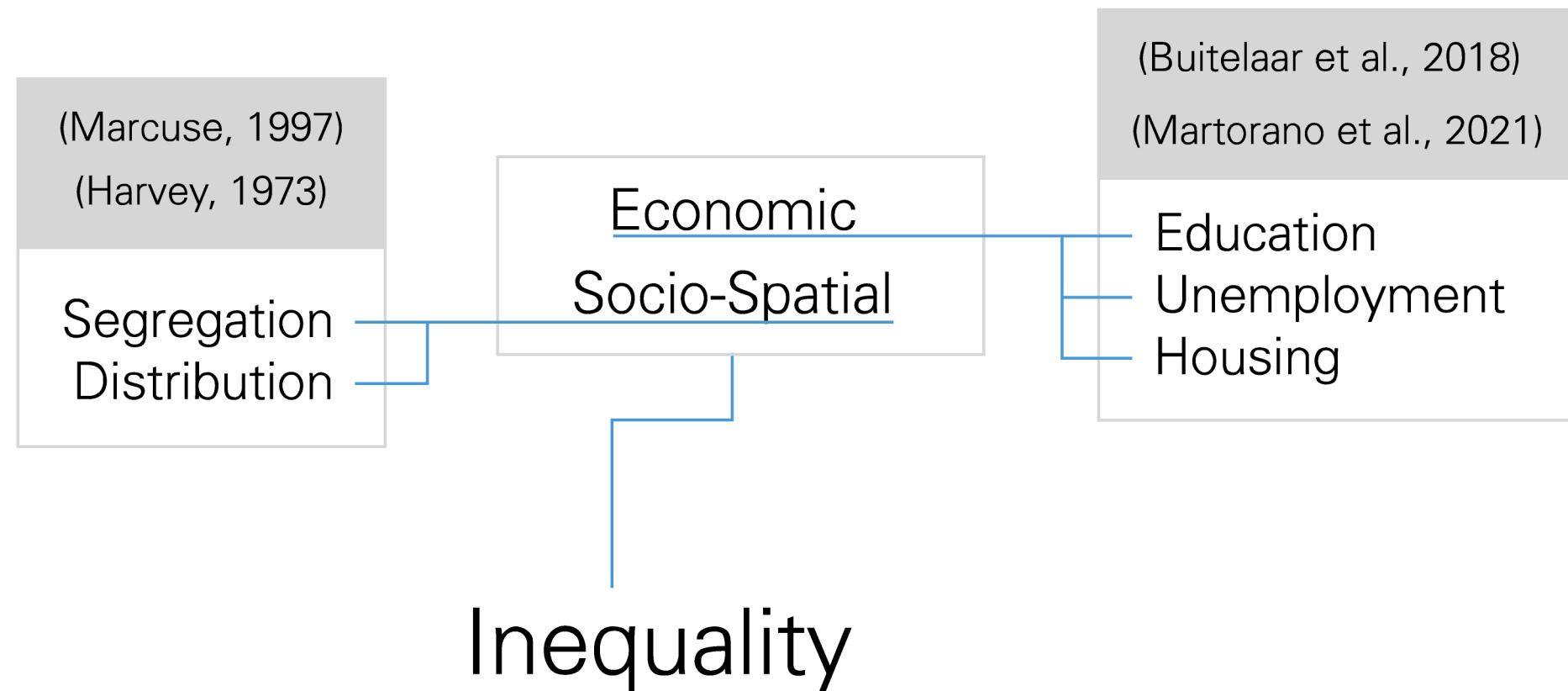


Segregation  
Distribution

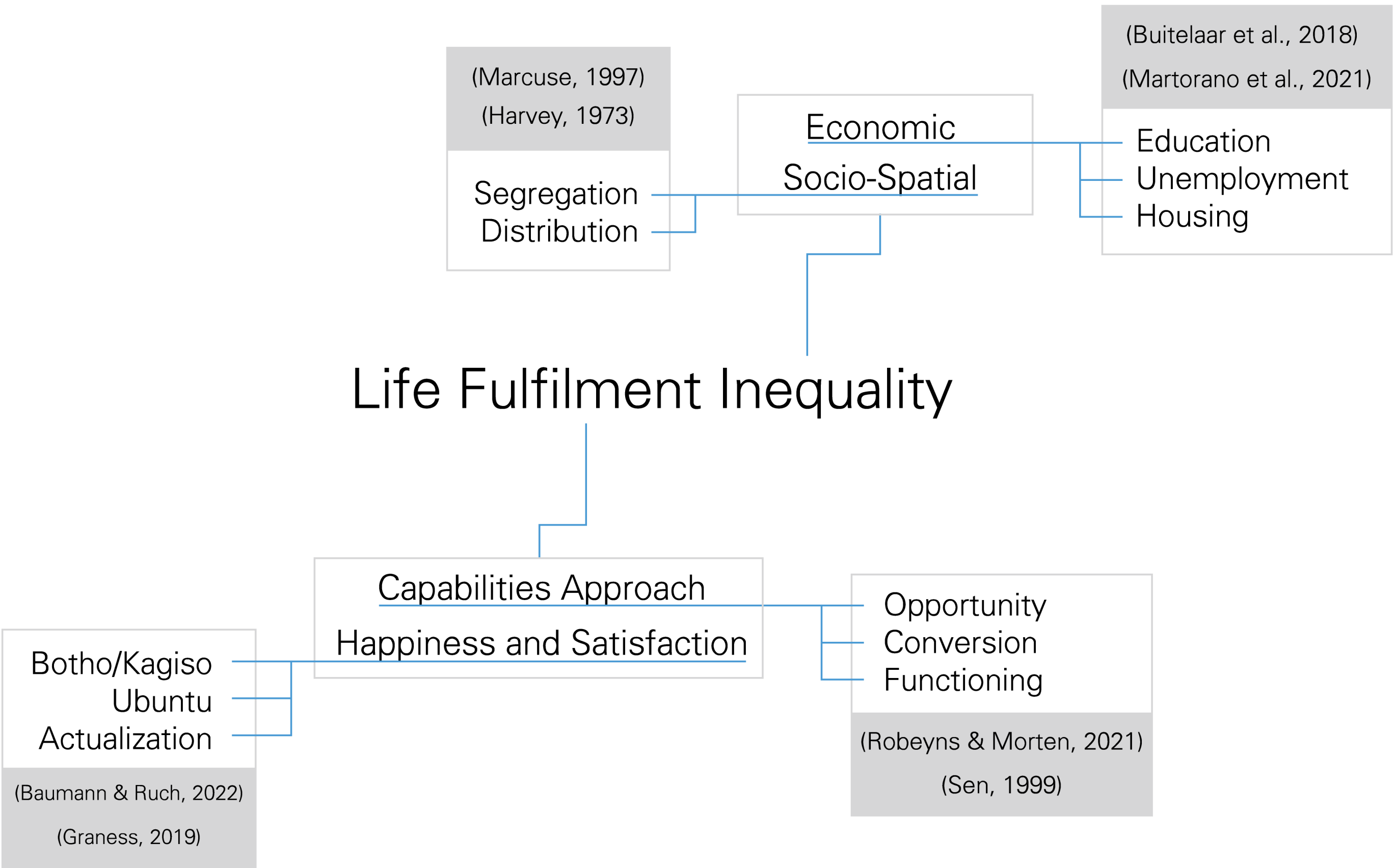
Socio-Spatial

Source:  
Author  
26/90







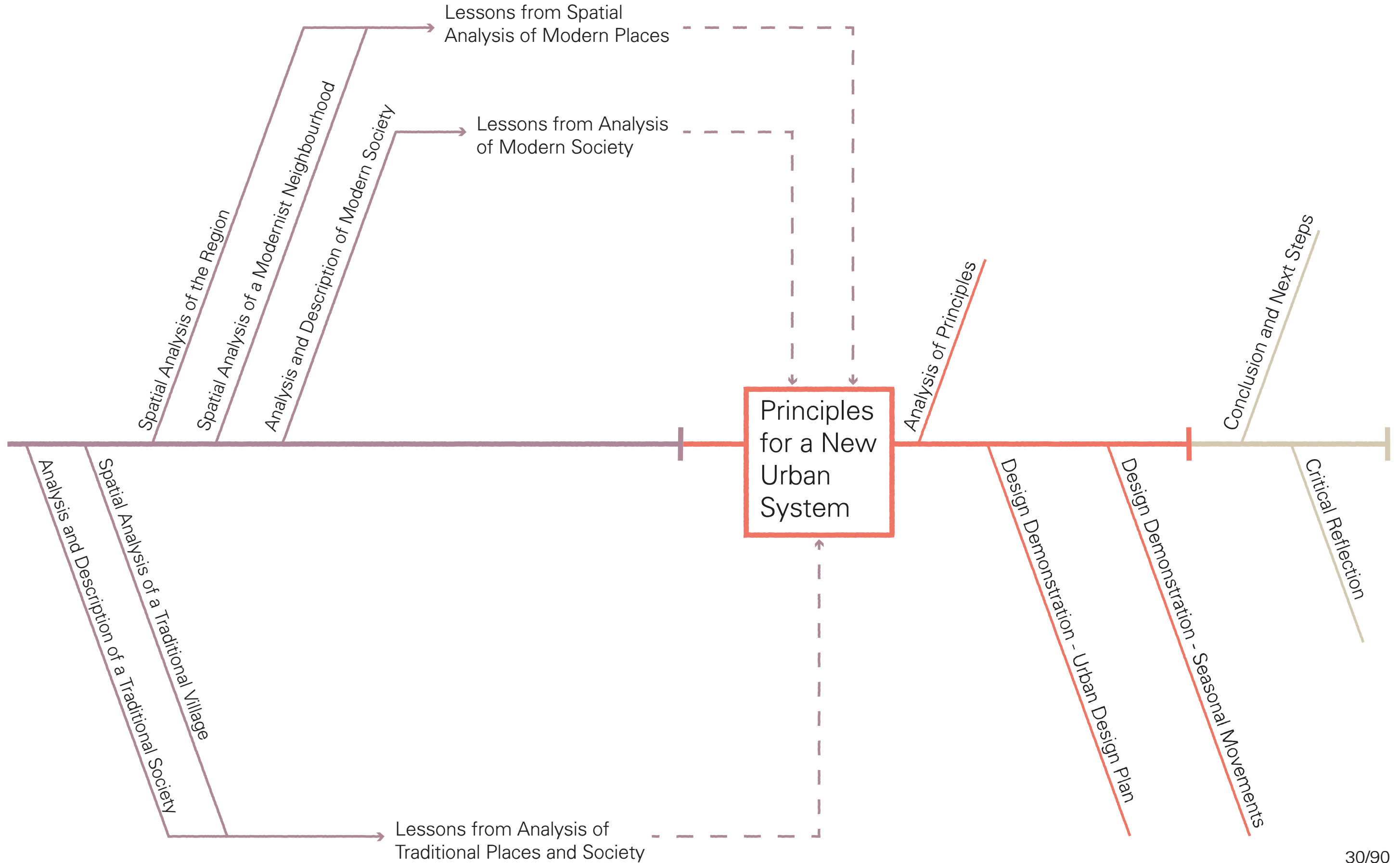


## Research Question

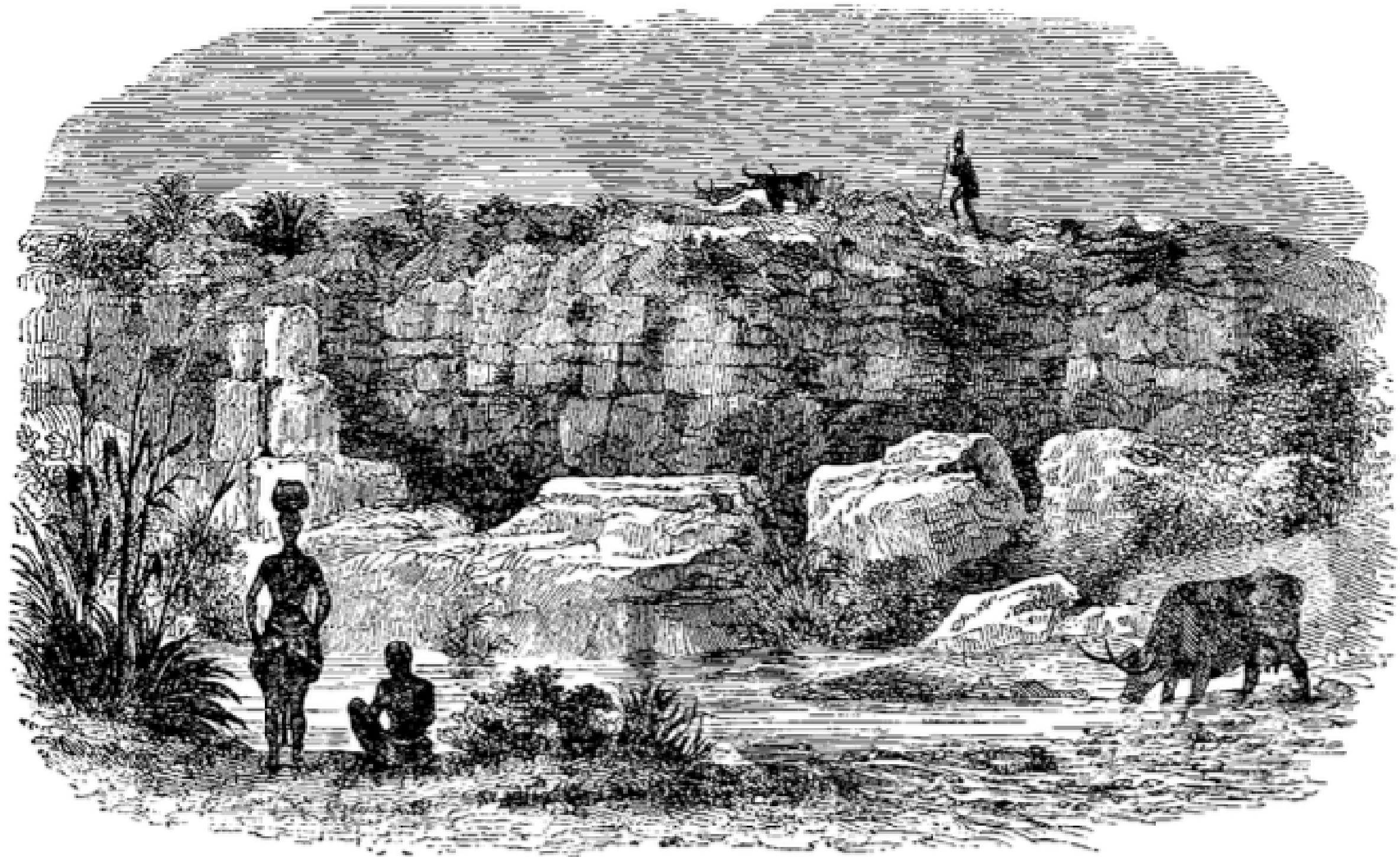
How can **urban design** and **planning** be leveraged as tools to create a **new spatial development paradigm** that reduces **life fulfilment inequality** in the Gaborone region?



# Structure of the Project

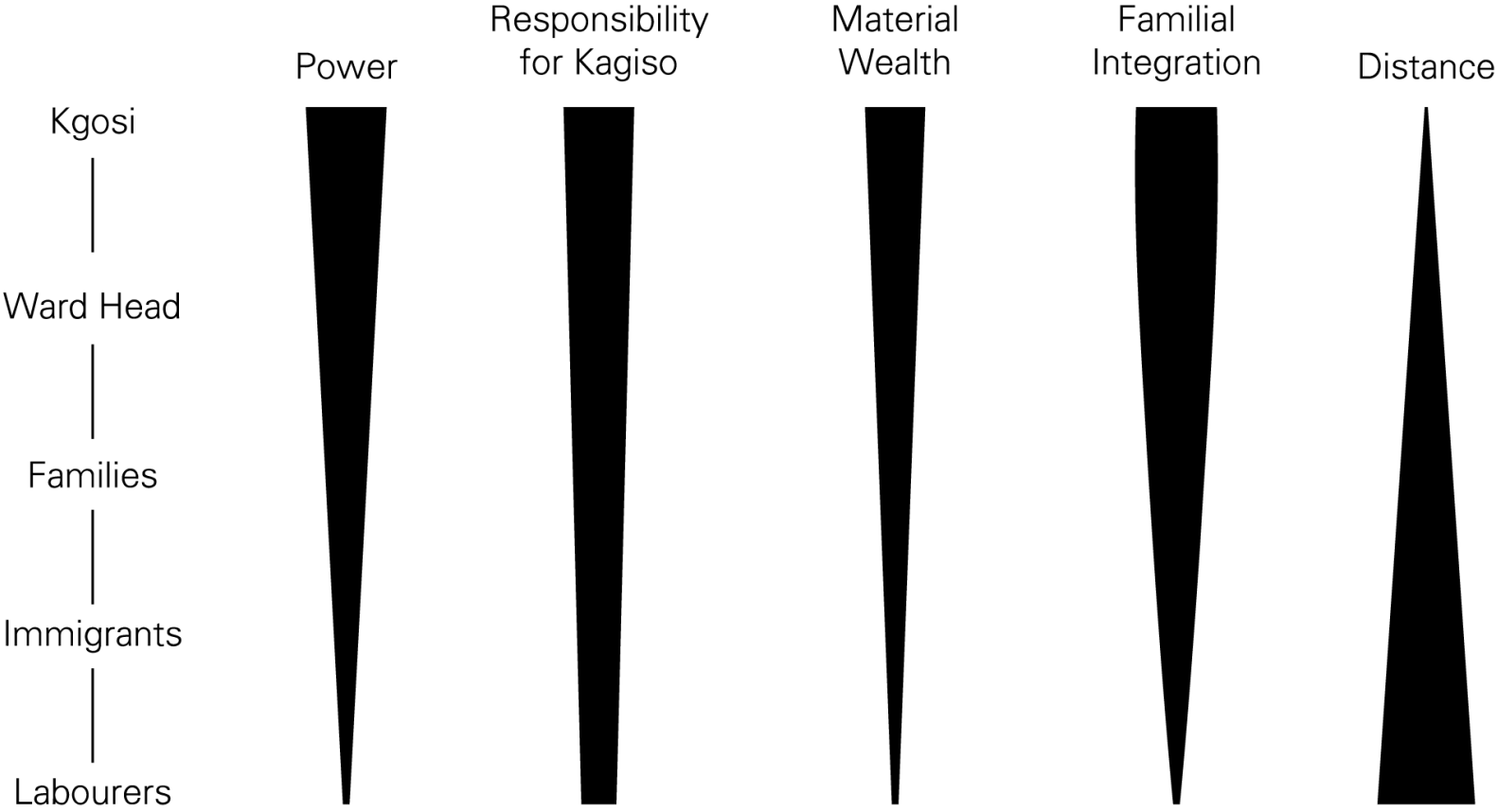
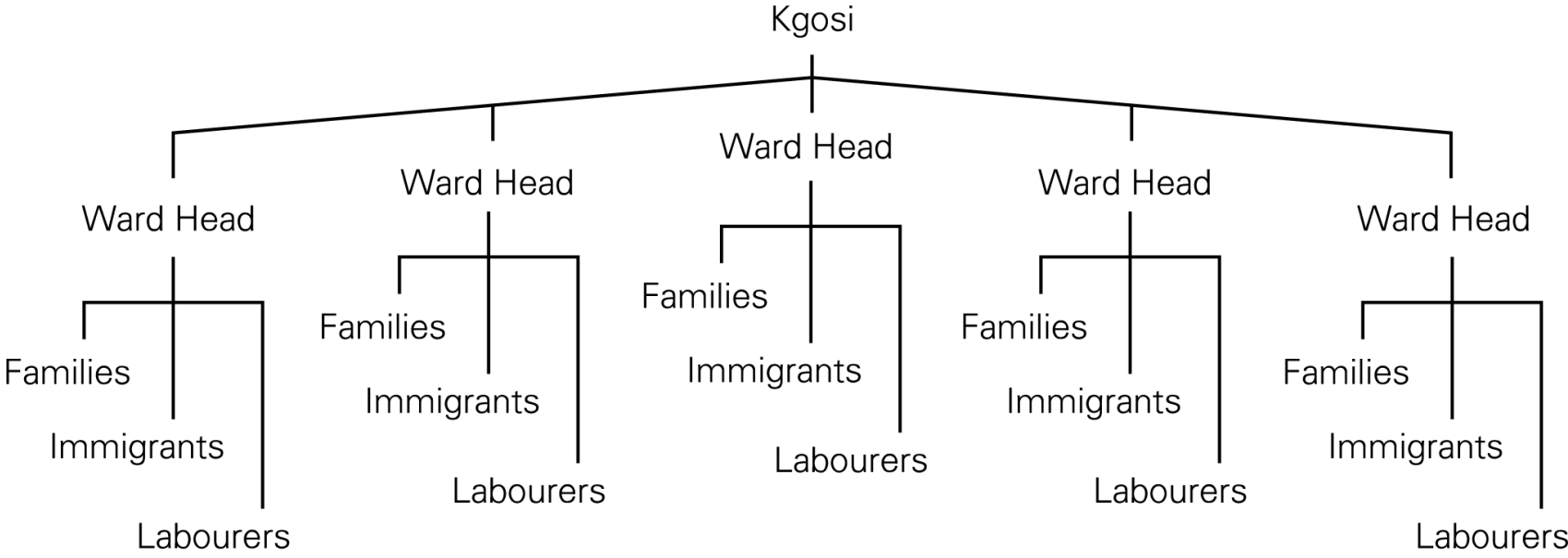


# Traditional Society



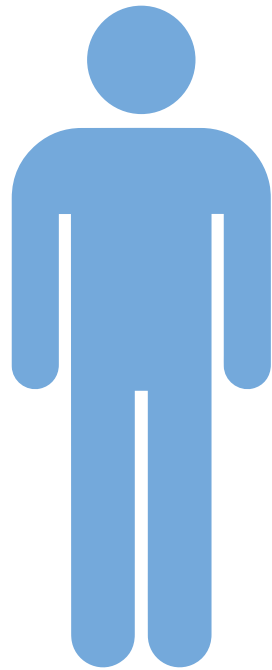


# Social Hierarchies



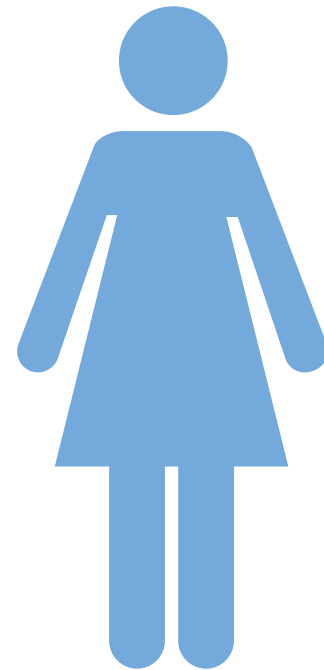


## Expected Responsibilities



Married Men

- Attend and contribute to Kgotla meetings
- Advance social standing of the family
- Promote kagiso of the tribe
- Learn Tswana laws and customs
- Advise to-be-married boys
- Weigh in on societal issues
- Negotiate dowry payments



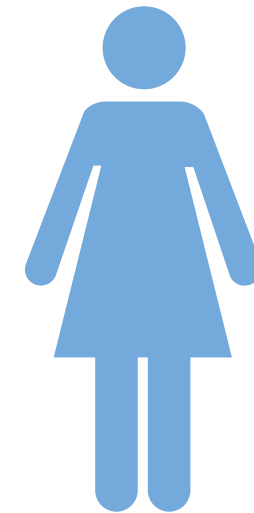
Married Women

- Manage the Lolwapa
- Manage agricultural needs of the family
- Promote kagiso of the tribe
- Advise to-be-married girls
- Household chores and family caretaking



Boys

- Manage the cattle post
- Assist the mother with agriculture and other household chores
- Promote kagiso of the tribe
- Find appropriate suitor for marriage
- Learn and apply the principles of Botho

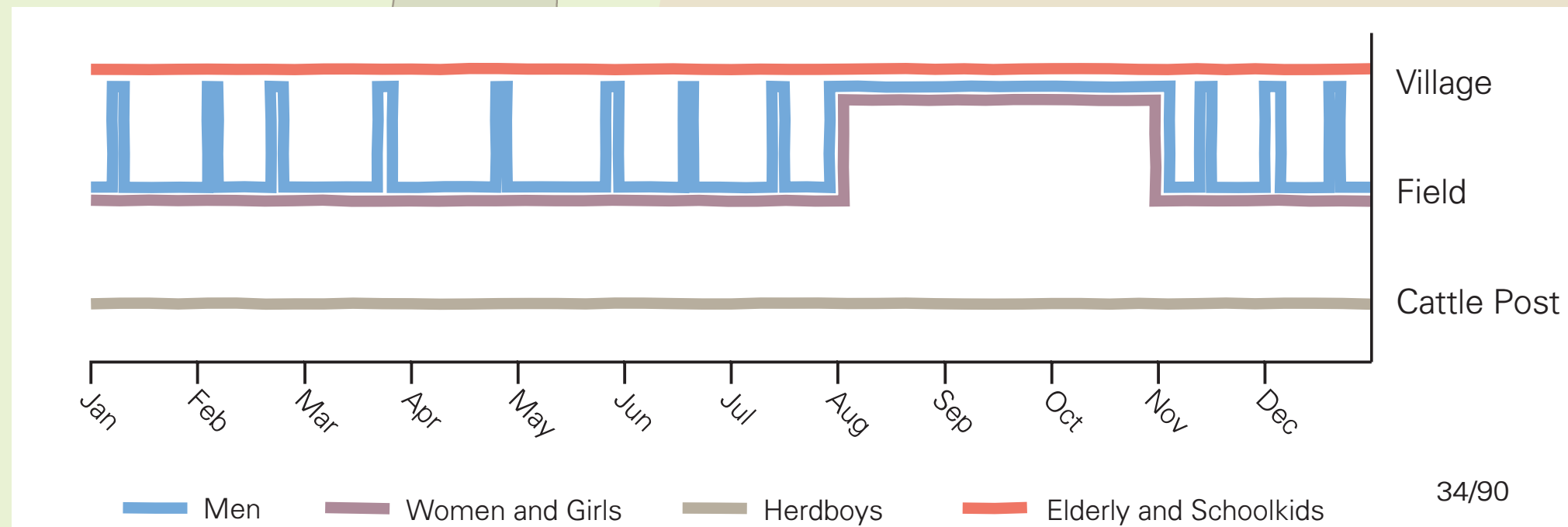
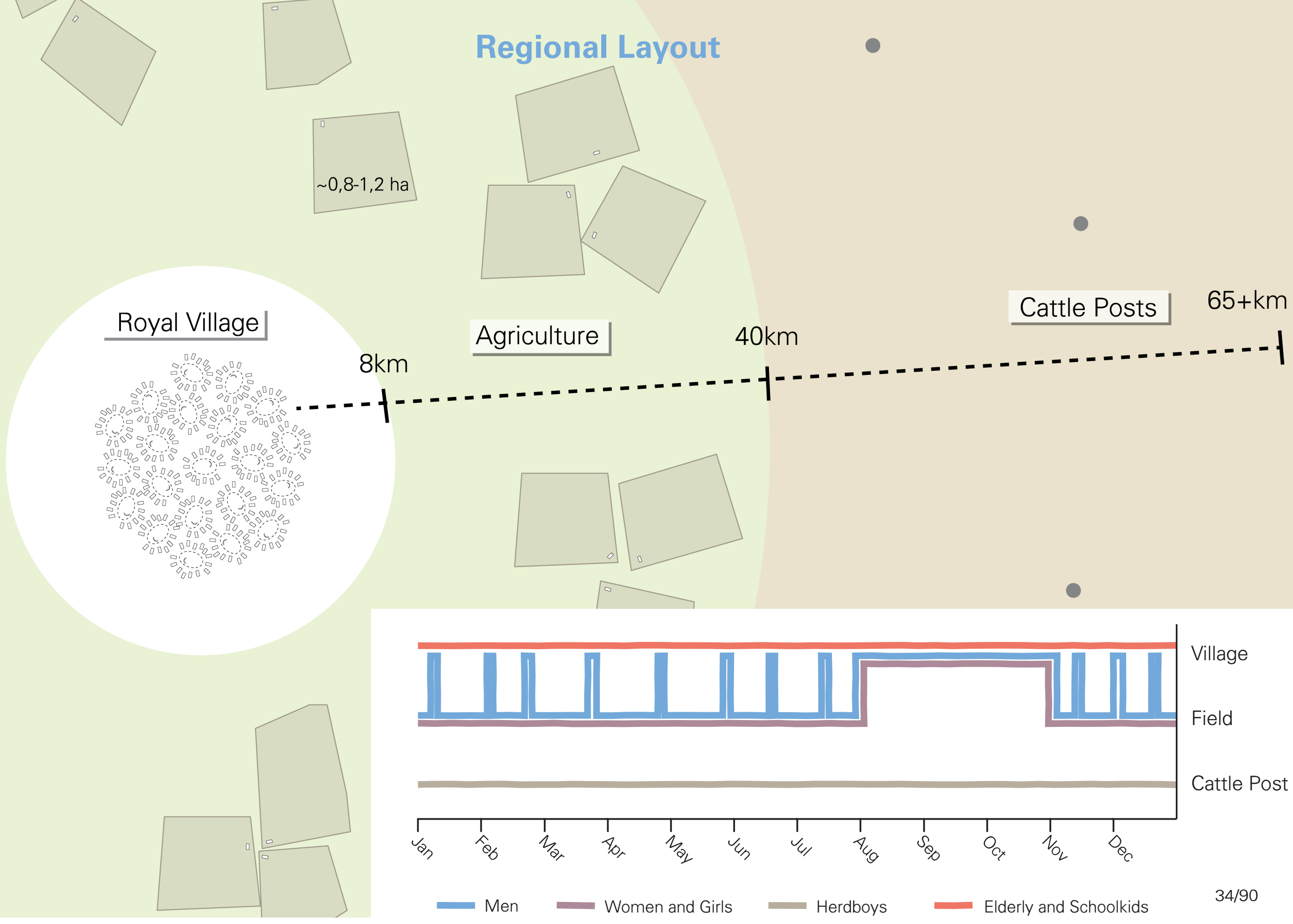


Girls

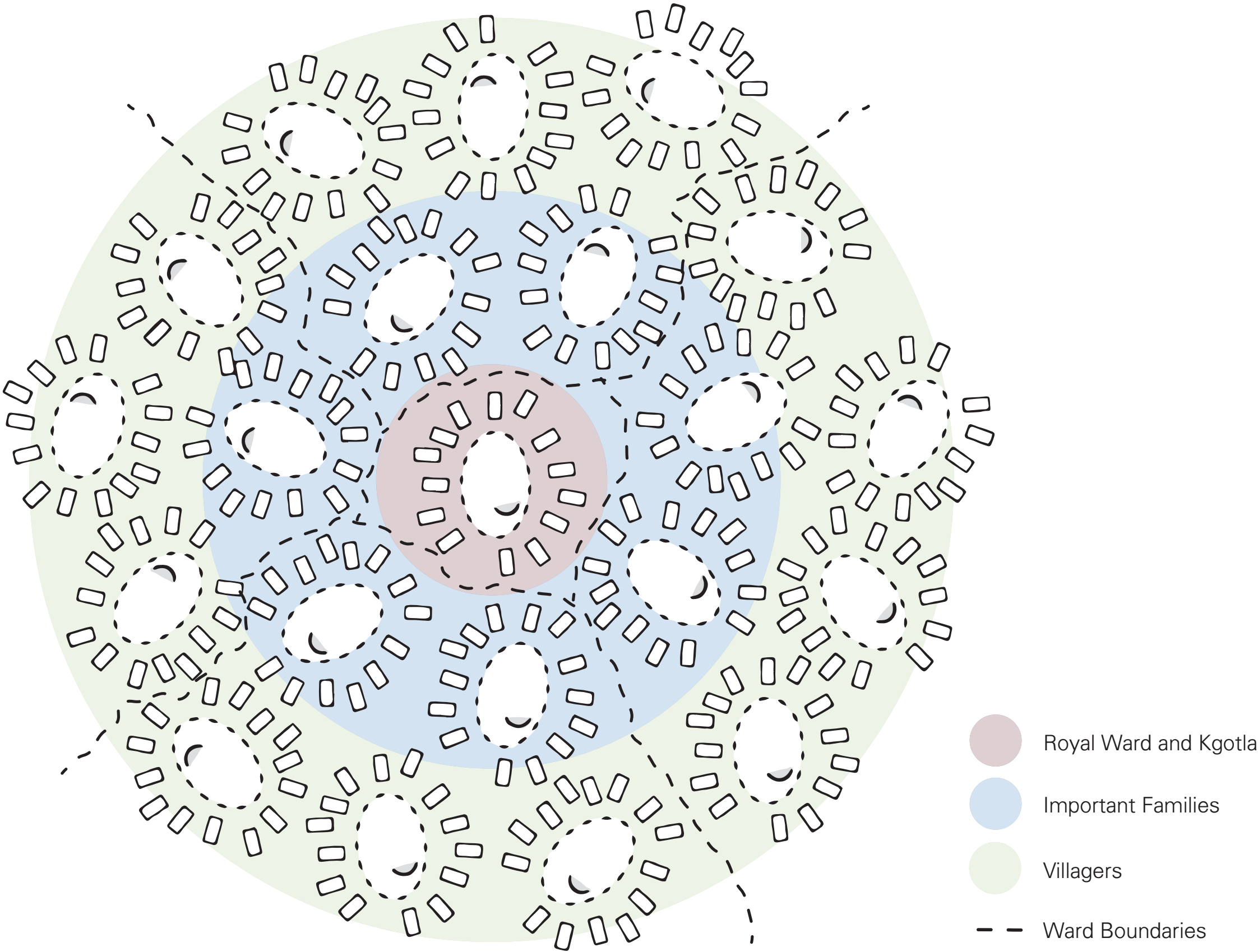
- Assist the mother with agriculture and other household chores
- Promote kagiso of the tribe
- Find appropriate suitor for marriage
- Learn and apply the principles of Botho



# Regional Layout



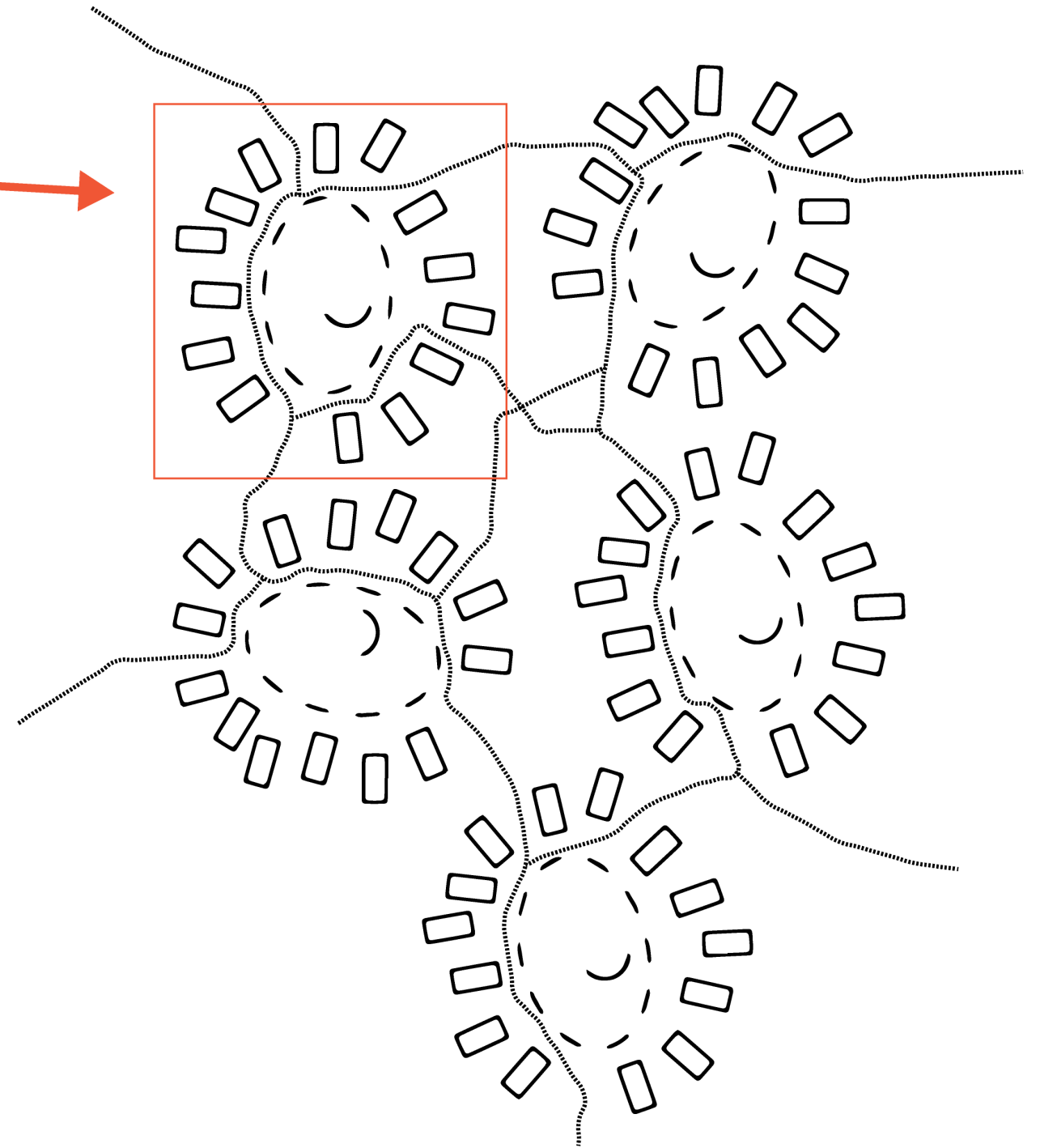
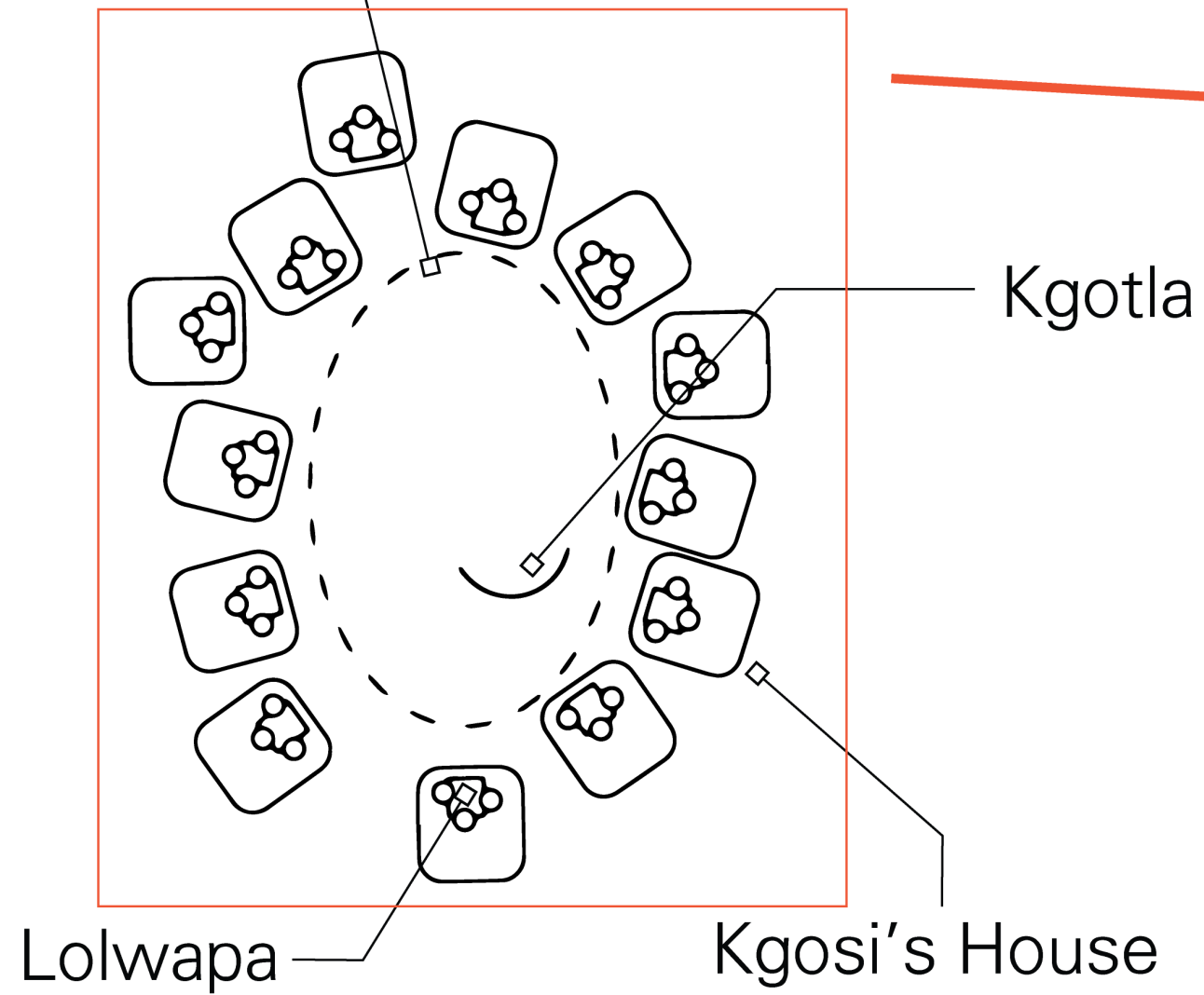
# Social Hierarchy in Space





# Village Development Pattern

Patlelo





# Kgotla



Source: Author



# Patlelo



Source: Author



# Lolwapa



Source: Author

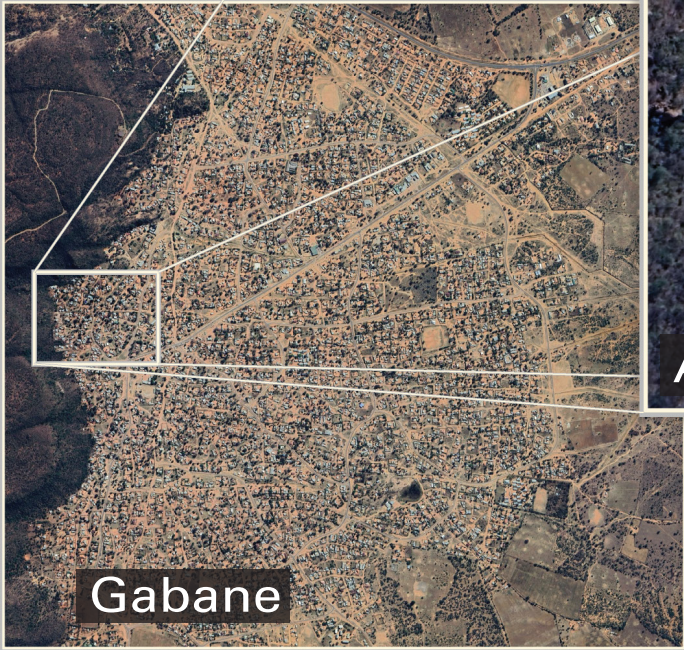


# Neighbourhood Analysis

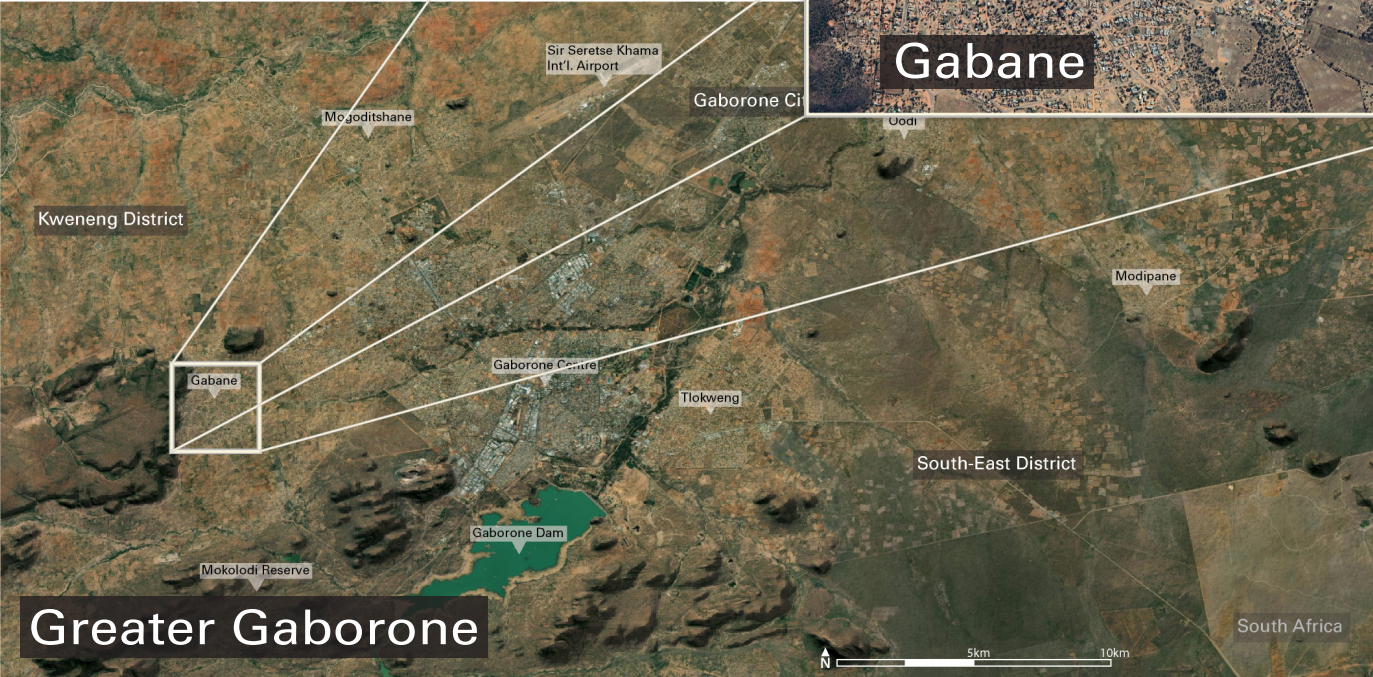


Analysis Location

Source: Author, (Google Maps, n.d.-d)



Gabane



Greater Gaborone















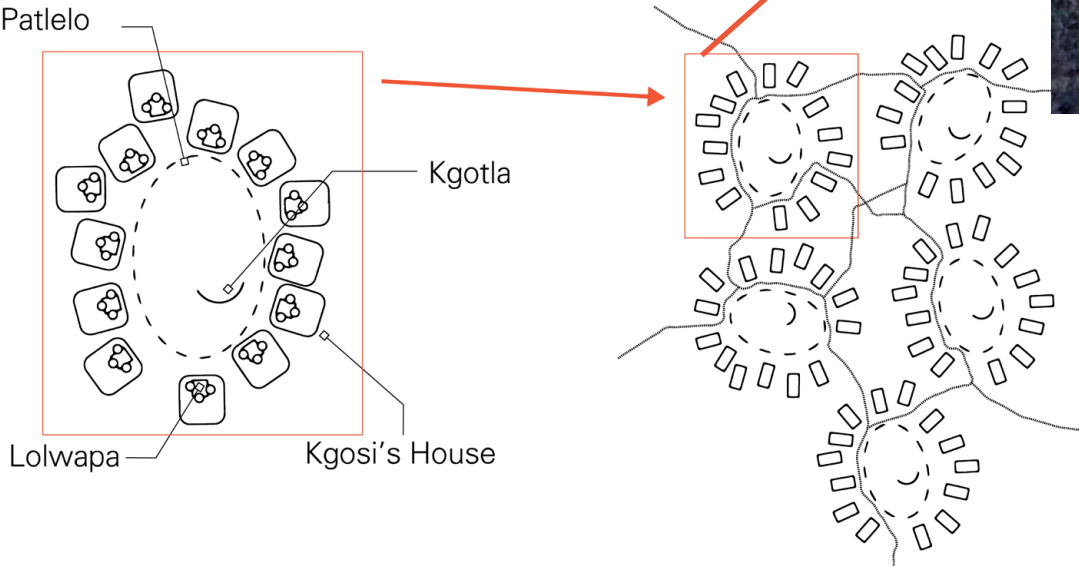




# Development Pattern in Gabane

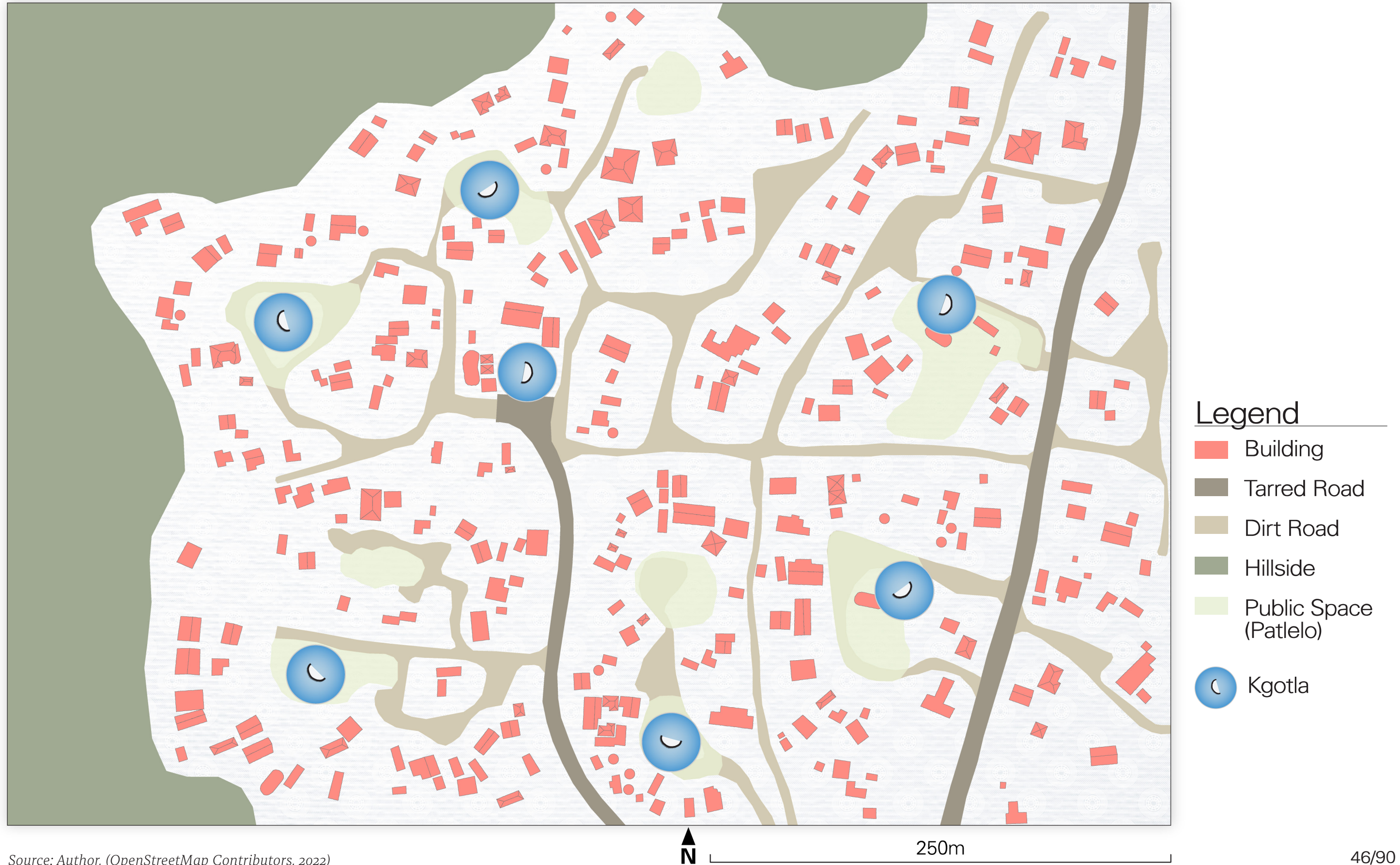


Source: (Google Maps, n.d.-d)





## Dikgotla and dipatlelo

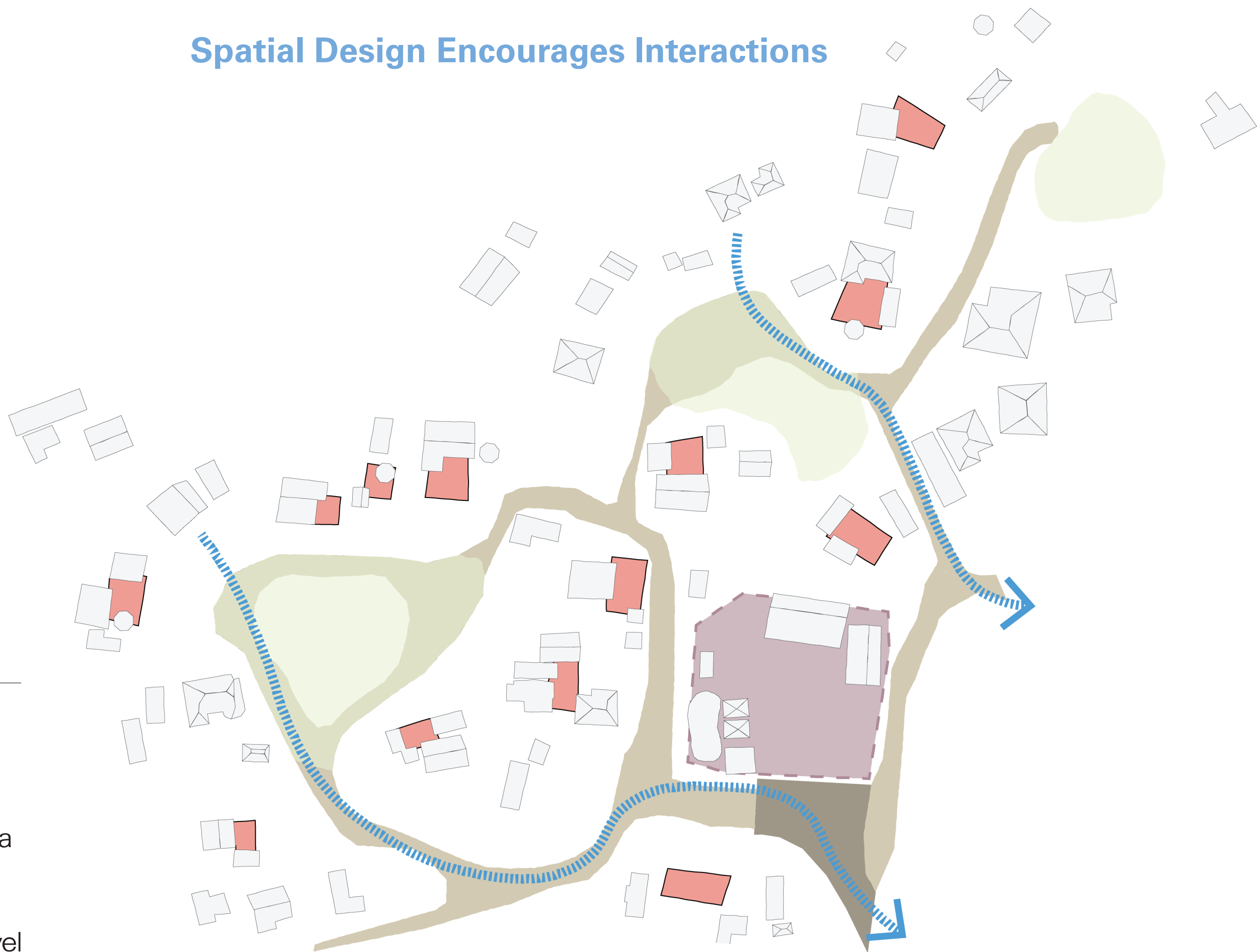




# Spatial Design Encourages Interactions

## Legend

-  Patlelo
-  Courtyard (Lolwapa)
-  Major Kgotla
-  Road
-  Path of Travel





**Collective  
Social Harmony**

```
graph BT; SD[Spatial Design] --> J[ ]; J --> SH[Collective Social Harmony]; SOD[Societal Design] --> J; style J width:0px,height:0px
```

The diagram illustrates a conceptual model where two design disciplines, Spatial Design and Societal Design, converge to achieve a collective social harmony. A horizontal line connects the two bottom boxes, with a vertical arrow pointing upwards from the center of this line to the top box.

**Spatial Design**

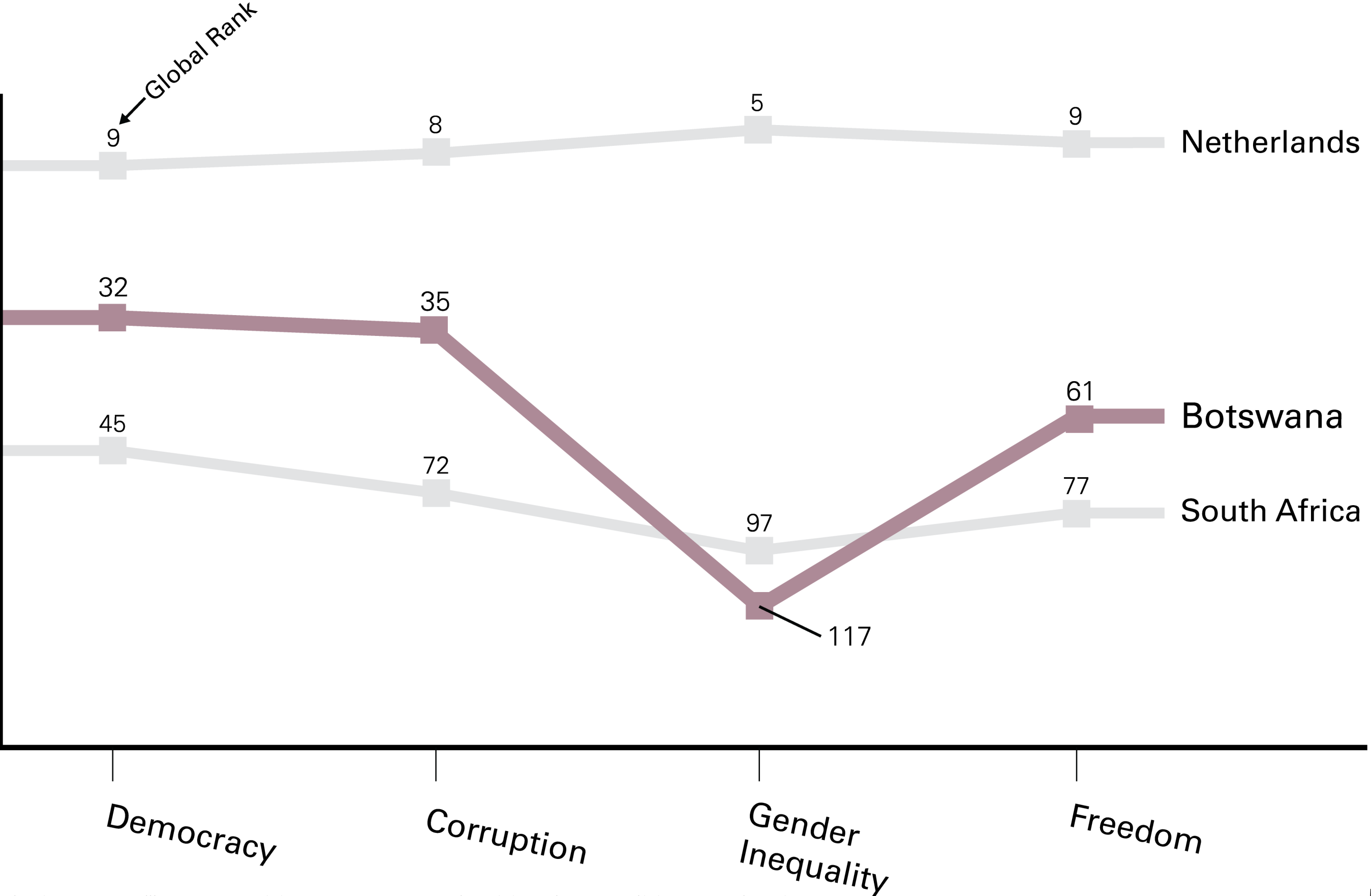
**Societal Design**



# **Analysis of Modern Spaces and Society**



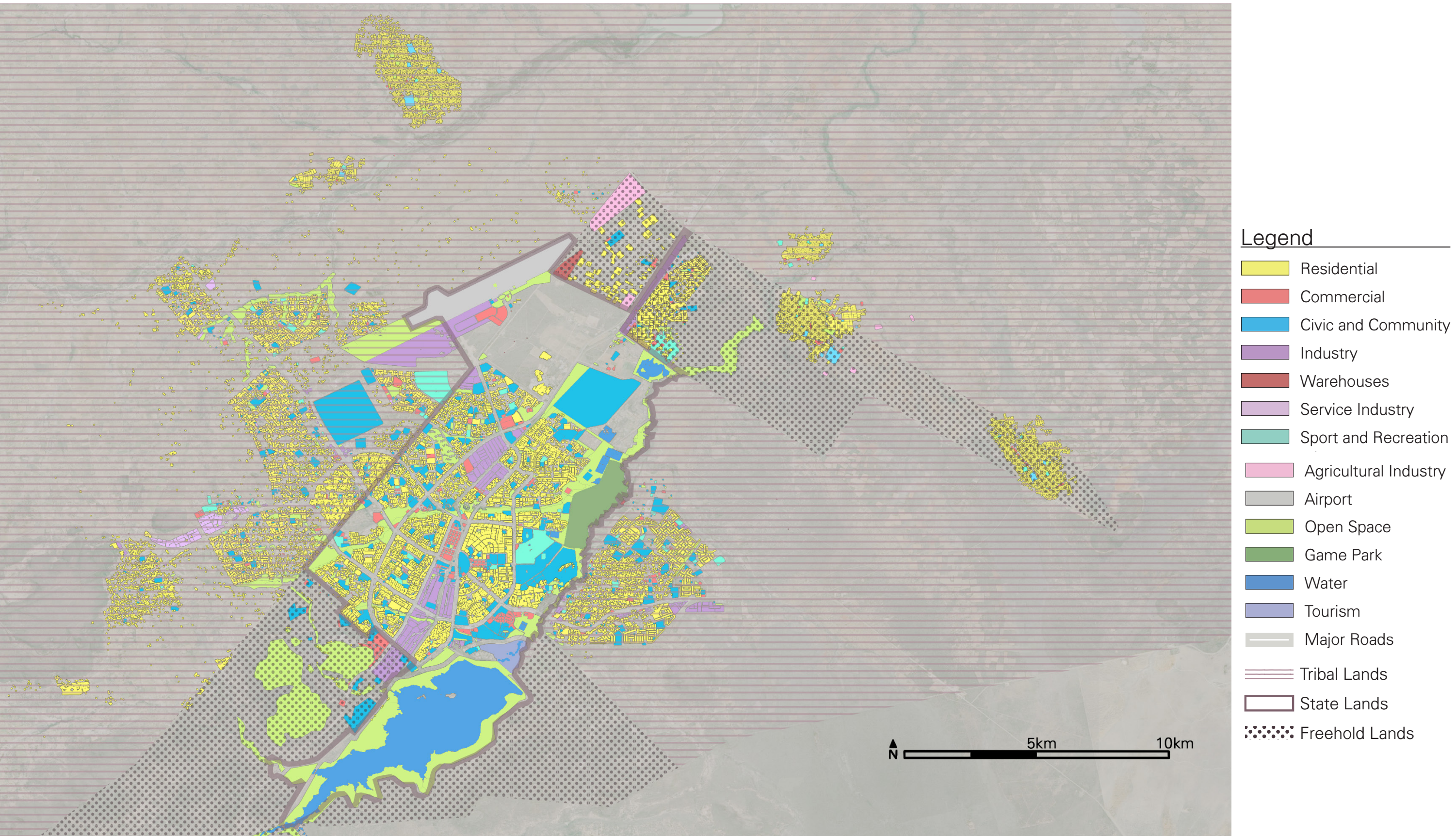
# Analysis and Description of Modern Society



Source: Author, (Economist Intelligence Unit, 2023), (Transparency International, 2023), (United Nations, n.d.), (Vasquez et al., 2023)

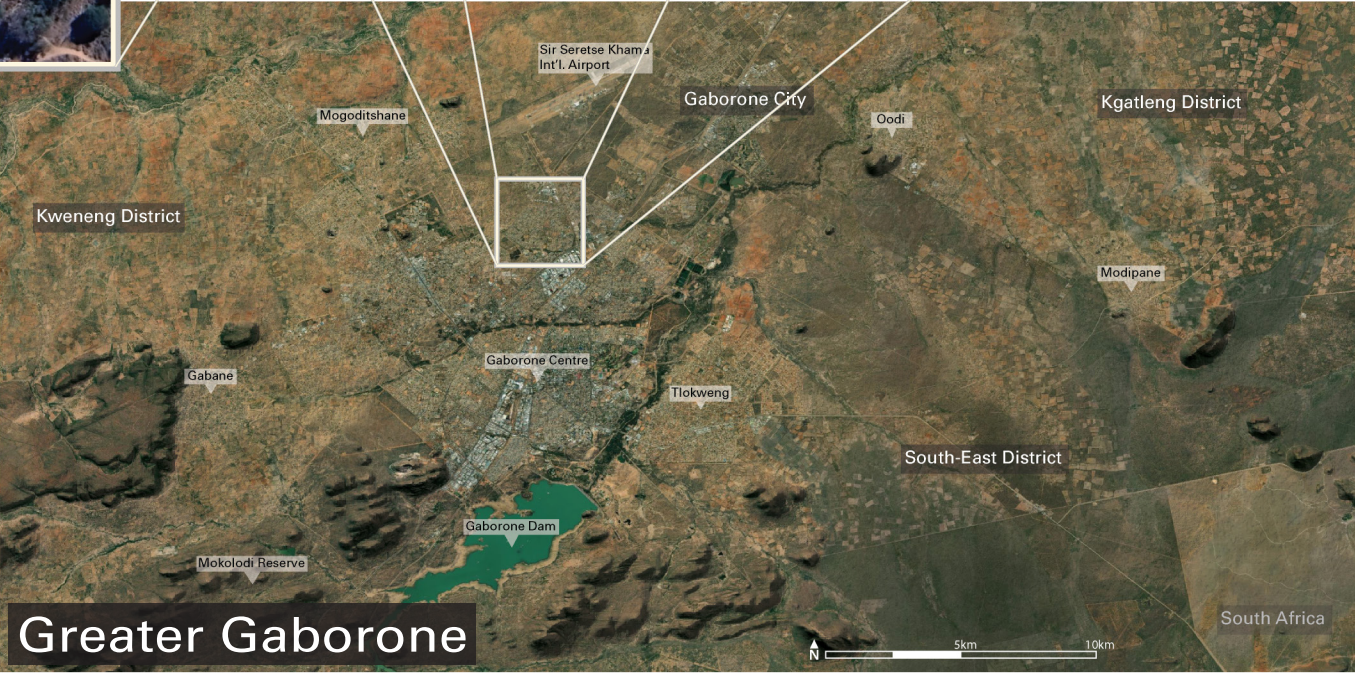
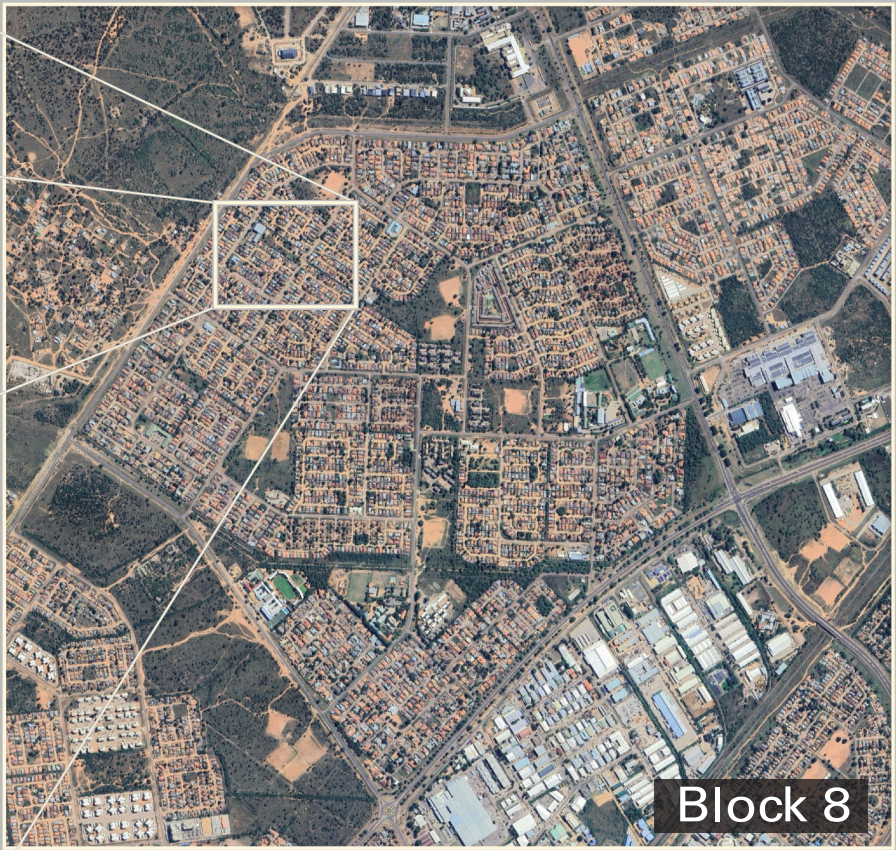


# Urban Planning - A Citadel





Neighbourhood Analysis



Source: Author, (Google Maps, n.d.-f)







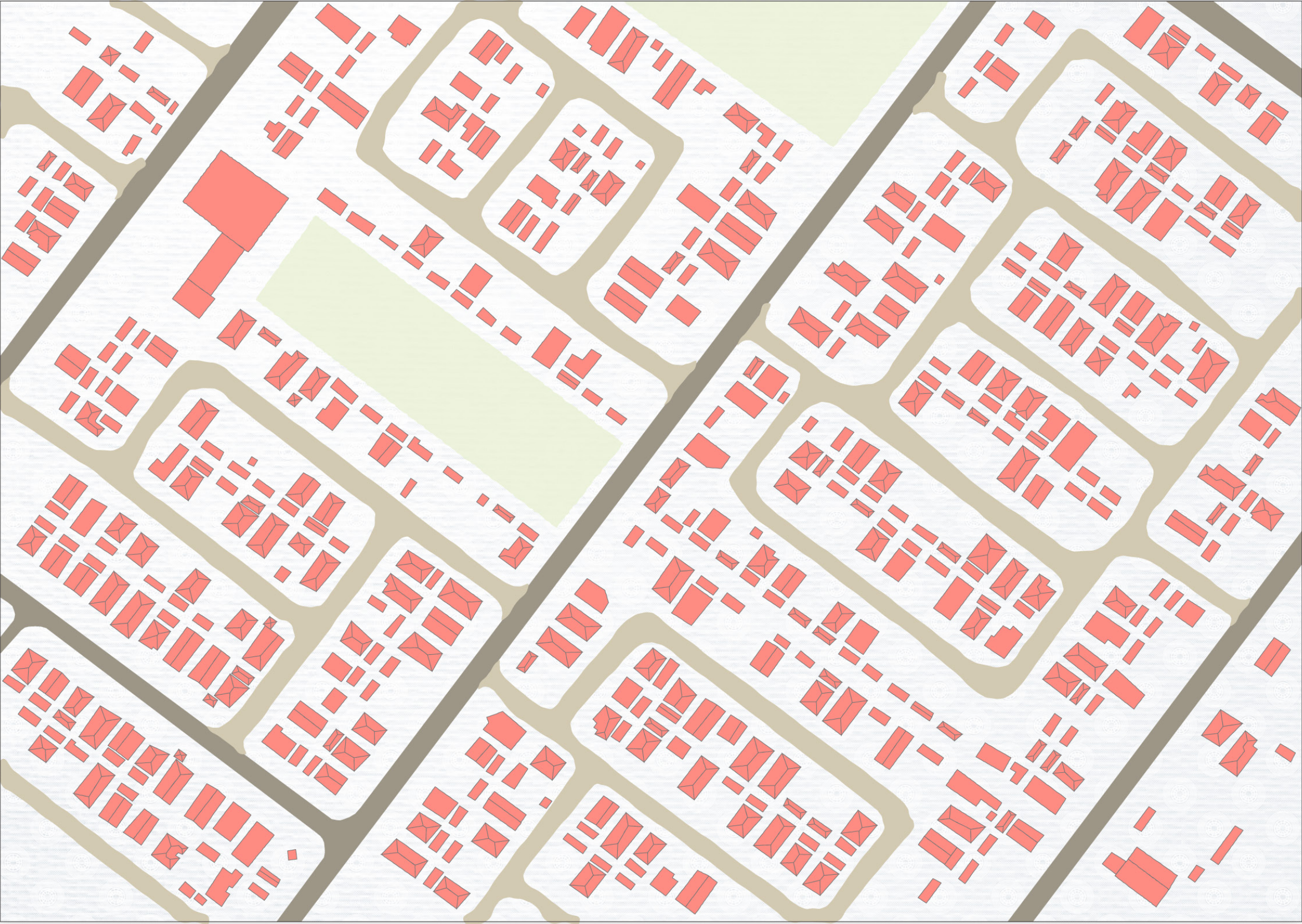








# Neighbourhood Plan



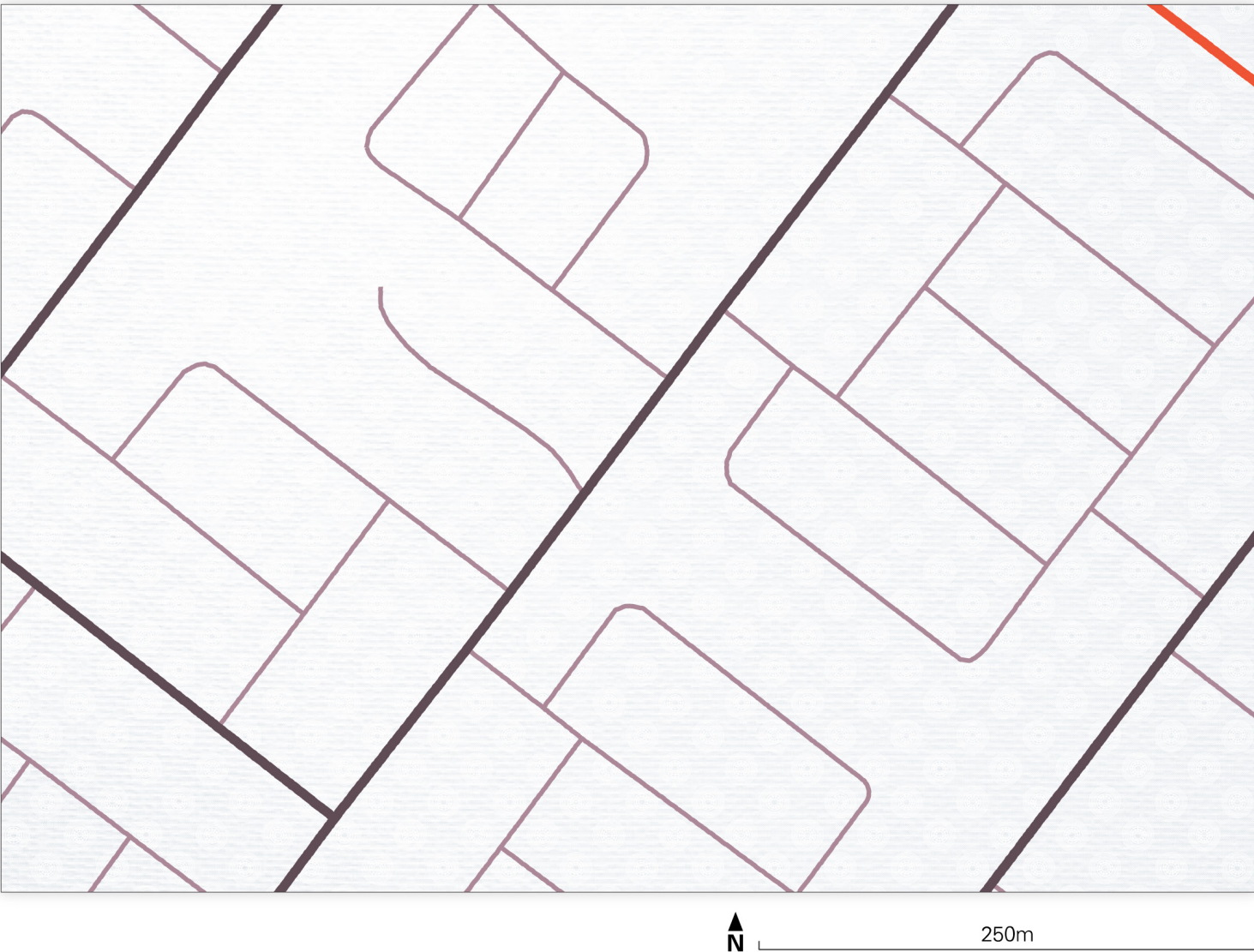
## Legend

- Building
- Tarred Road
- Dirt Road
- Hillside
- Open Space





# Land Use and Transportation



## Legend

- Tarred Road
- Dirt Road

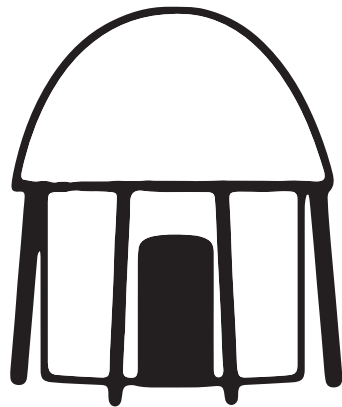


## Legend

- Residential
- Community
- Open Space
- Commercial

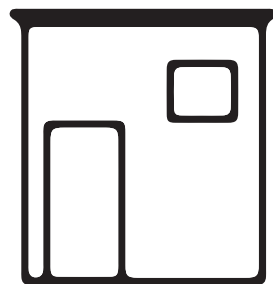


# Architectural Evolution



Walls  
Roof

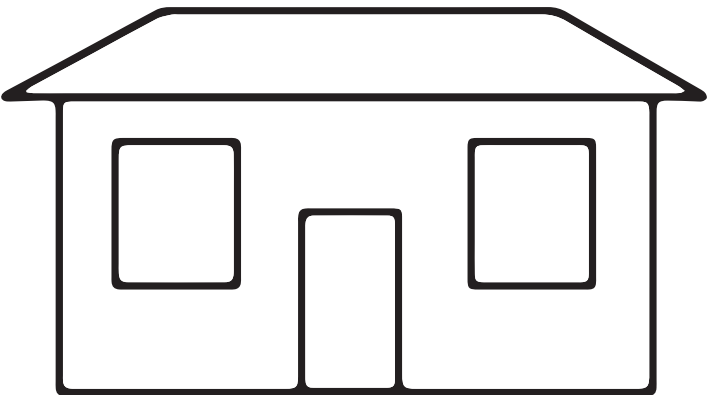
Mud & Dung  
Thatch



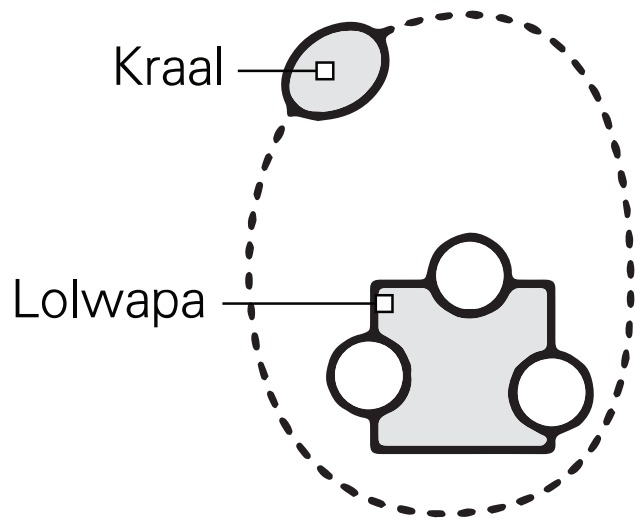
Concrete Blocks  
Sheet Metal



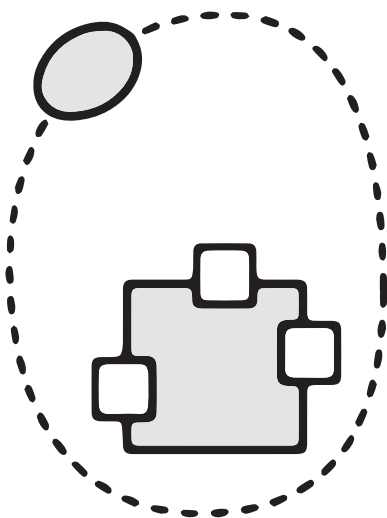
Concrete & Plaster  
Sheet Metal



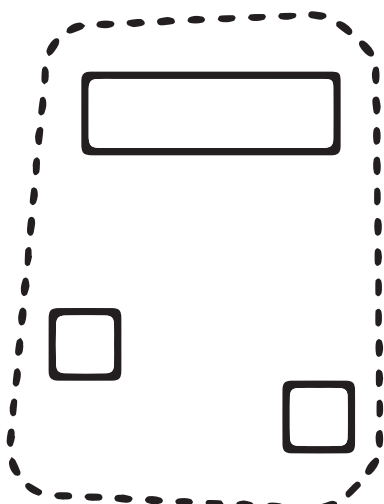
Wood Frame, Brick & Plaster  
Shingles



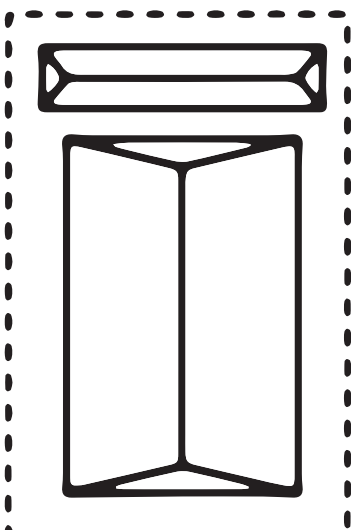
Traditional



Quasi  
Traditional



Transition



Modernist











**Individualistic  
Capitalist**

```
graph BT; A[Individualistic Capitalist] --- B[ ]; B --> C[Spatial Design]; B --> D[Societal Design];
```

**Spatial Design**

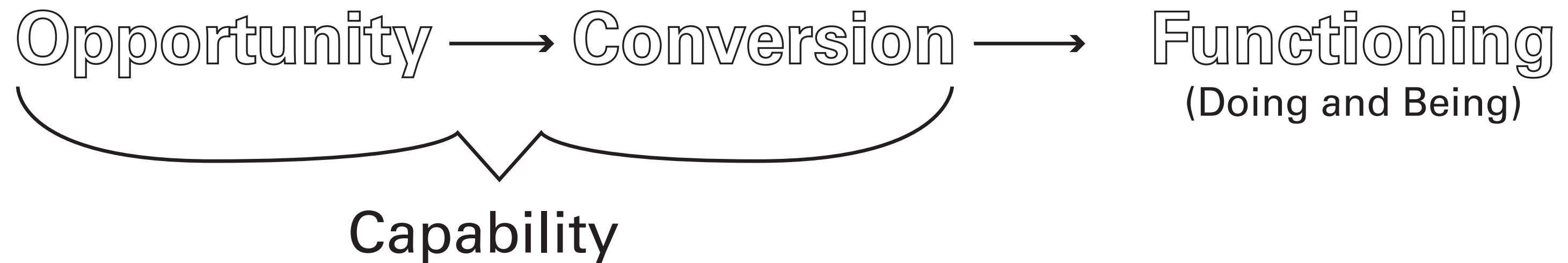
**Societal Design**



# The Human Experience



## A Societal Understanding - The Capabilities Approach





## A Societal Understanding - The Capabilities Approach





### Goitse



◦ Female ◦ 6 ◦ Urban Village ◦ Primary

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Three other siblings

Attending primary school

### Thabo



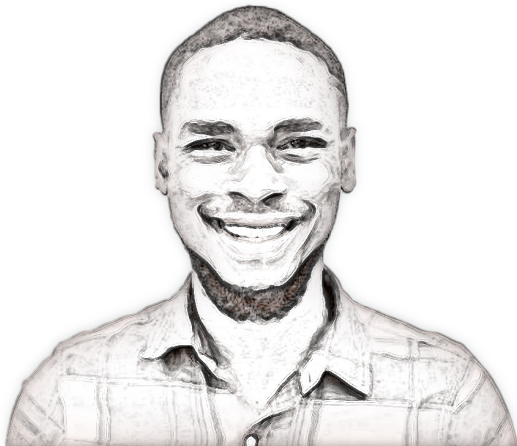
◦ Male ◦ 12 ◦ Urban Village ◦ Primary

---

Attending primary school

Helps with tuck shop, chickens and goats

### Kabelo



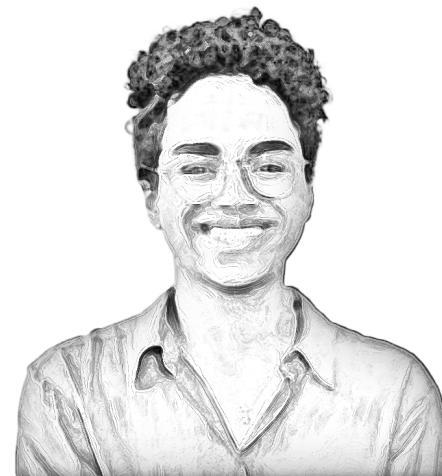
◦ Male ◦ 20 ◦ Village ◦ Secondary

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Taking care of aging parents

Working small-scale agriculture

### Lorato



◦ Female ◦ 26 ◦ Urban ◦ Secondary

---

University student

Seeking good job



## Masego



◦ Female ◦ 34 ◦ Urban Village ◦ Vocational

---

Horeca worker

3 Children

## Kabo



◦ Male ◦ 48 ◦ Urban ◦ Tertiary

---

Working professional

Lives in upper class area

## Malebogo



◦ Female ◦ 67 ◦ Rural ◦ Non-Formal

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Lived a difficult life with little opportunity

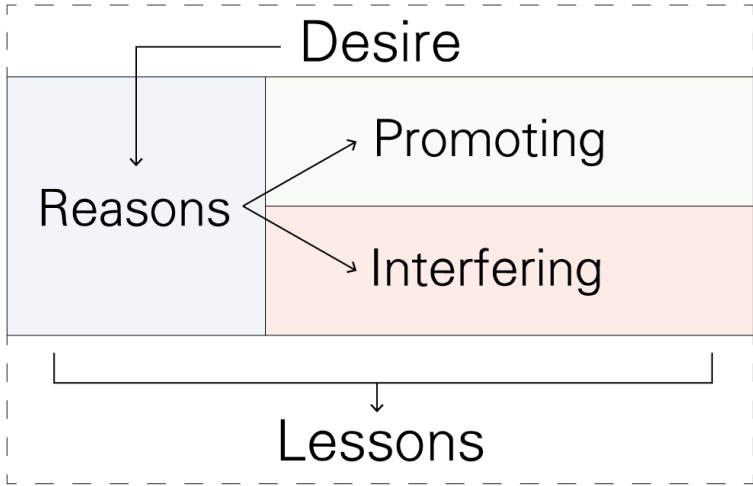
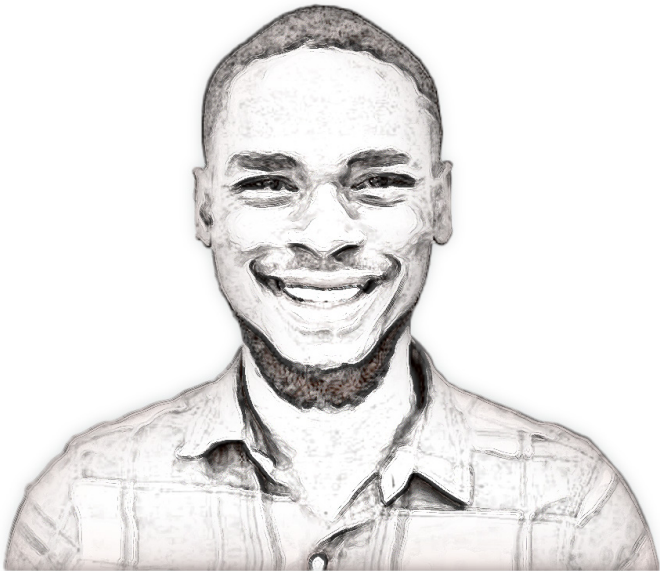
Substance abuse issues

Has loving family in the area



Analysis Example 1

Kabelo



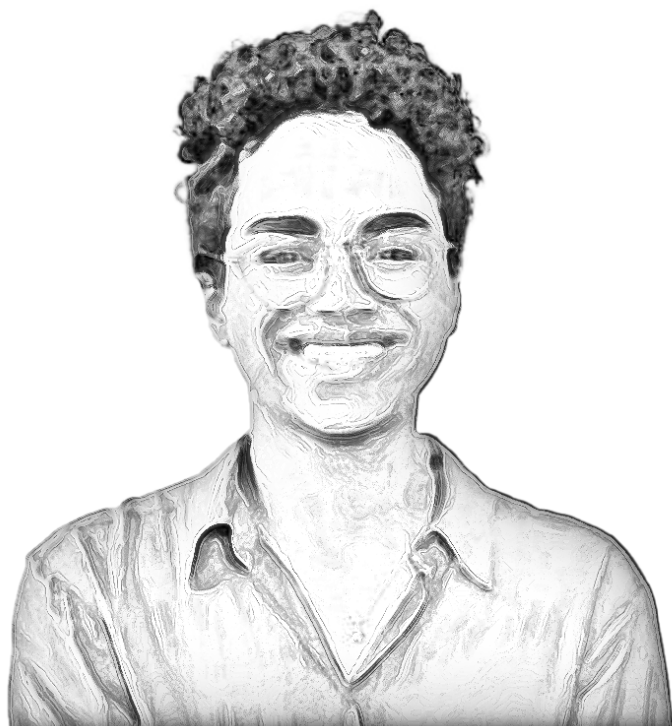
Attend university and climb the economic ladder

- |  |  |
|--|--|
| <ul style="list-style-type: none"><li>◦ Sees this as the path to greater prosperity</li><li>◦ Peers he grew up with are doing this</li><li>◦ Feels that this is the correct path for himself in life</li></ul> | <ul style="list-style-type: none"><li>◦ Secondary School graduate</li><li>◦ Has a supportive community around him who encourage him to try</li></ul>   |
|  | <ul style="list-style-type: none"><li>◦ Needs to care for and help his ageing parents</li><li>◦ Lives a far distance from the university campus</li><li>◦ Poor access to internet in the village</li><li>◦ No access to a private car</li><li>◦ Public transport options expensive and slow due to routing</li></ul> |
- Limited social services in the villages affects both young and old alike
  - Poor transportation options to the countryside limit opportunities for the achievement of desires
  - Villages and countryside not seen as a place for growth/advancement
  - Education and capitalistic advancement seen as the correct path forward in life
  - Major tradeoffs between personal and family/community development are necessary for people living in remote villages



# Analysis Example 2

Lorato



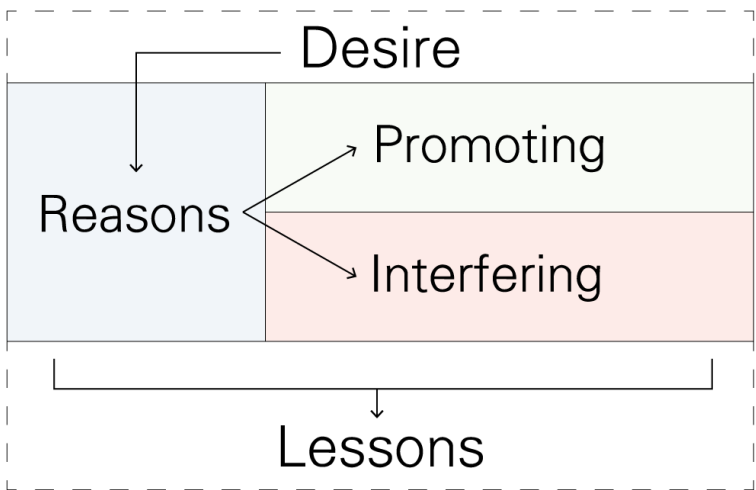
Eventually move out to a smaller village and enjoy a more peaceful lifestyle outside of work

- Despite the desire for a fun and lively lifestyle in the present, she believes that the village lifestyle will bring her a greater sense of peace and happiness than living in the city
- Feels a sense of nostalgia for the village lifestyle based on the stories from her parents' youth
- Believes this will also lead to the best outcomes for her social life and feelings of community

- Has an uncle who lives in a nearby village who could help with her integration into that social environment
- The lower cost associated with living in villages makes it more financially manageable than staying in the city

- The village her uncle lives in is relatively far from the city and so would have a long commute to the city centre if that is where she does find work upon graduation
- Not many traditional style homesteads become available for transfer or purchase, which is the style of home she is hoping to live in

- Even some young people who did not grow up in a village environment see villages as desirable places to live
- Distance between most villages and larger cities can make the balancing of career and life challenging for current and would-be village dwellers
- Lack of any development recently in the traditional style recently makes traditional homesteads more scarce as related to the overall housing supply





**Desire for  
Community**

**Disconnect  
between  
desires and  
expectations**

**Psychological  
connection to  
villages**

**Appreciation  
of Urban  
Amenities**



# Forces

**Personal**

**Spatial**

**Societal**

**Cultural**

**Contestation**

**Life Fulfilment Inequality**



**What shall we do about it?**

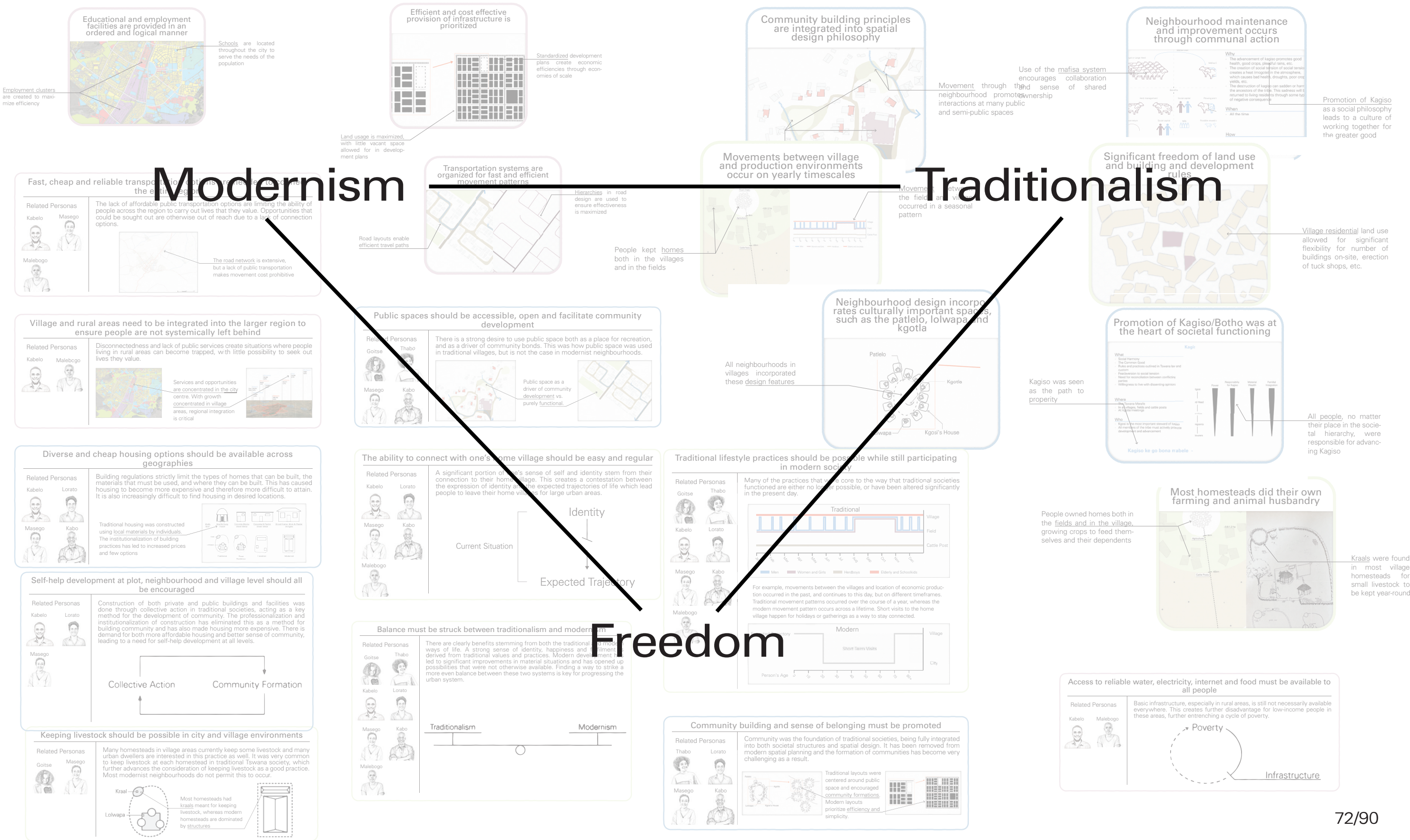


# Analysis has given us some lessons

## Modernism

## Traditionalism

## Freedom





# Principles for a New Urban System

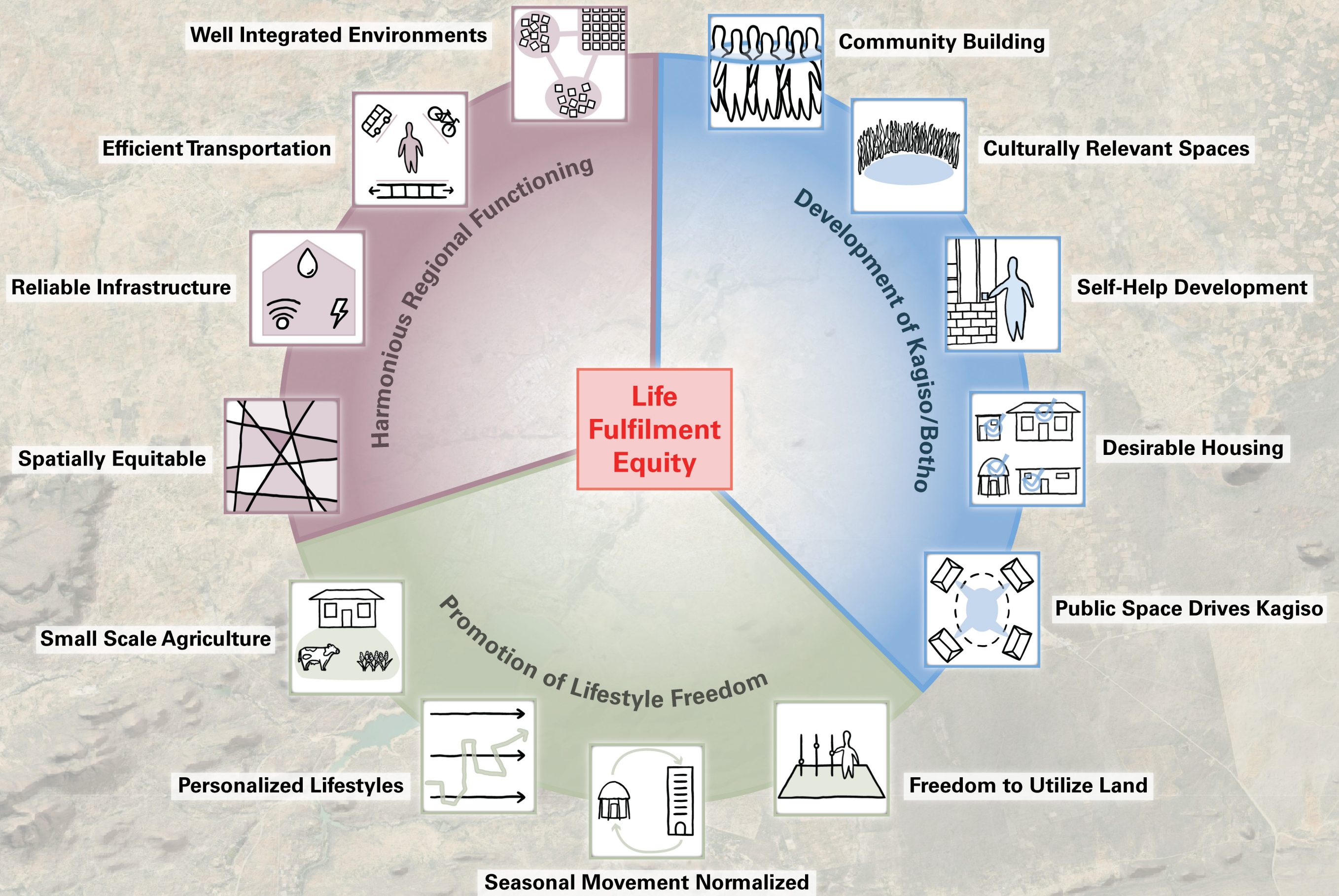


**Feasibility Analysis**

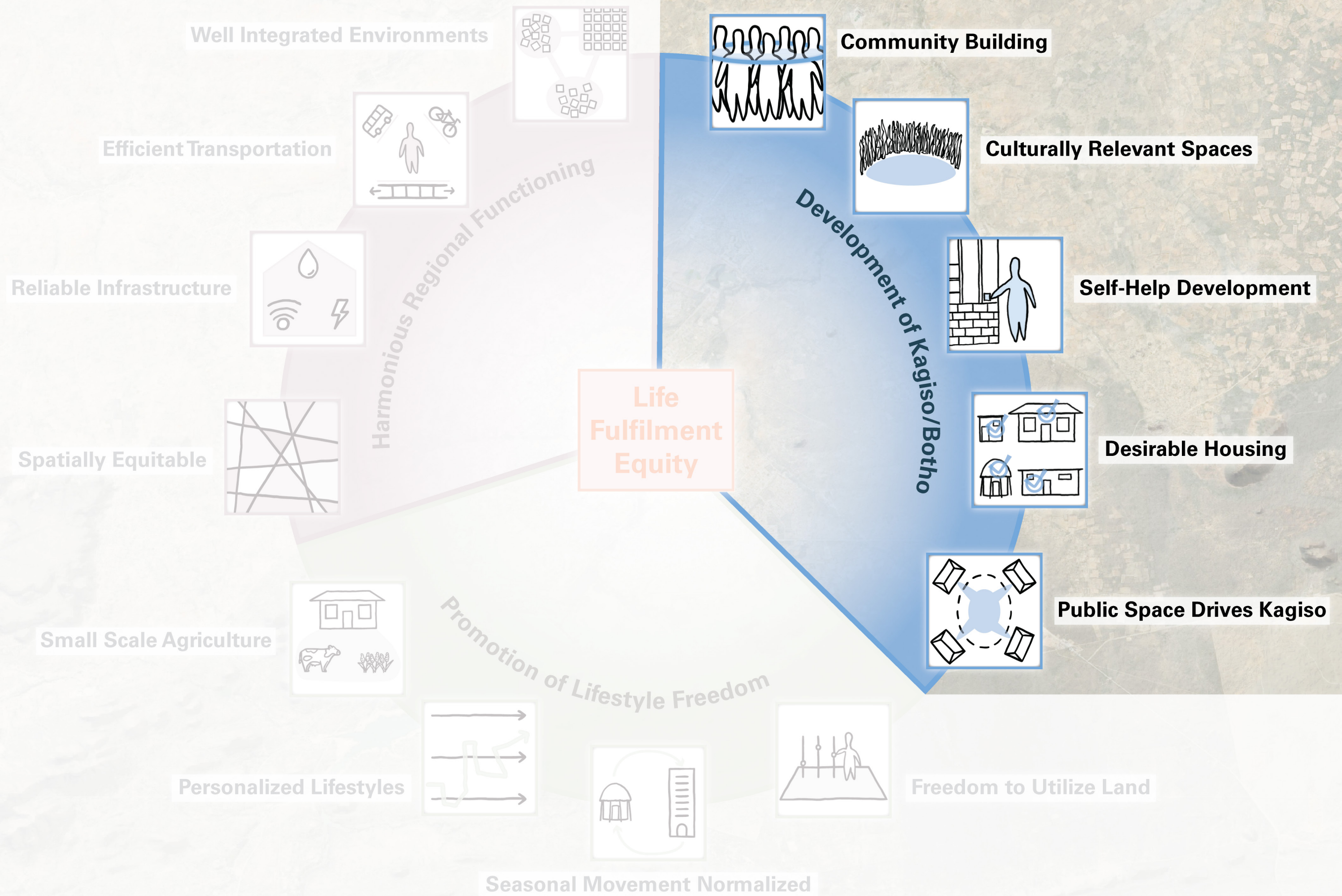


**Design Demonstration**

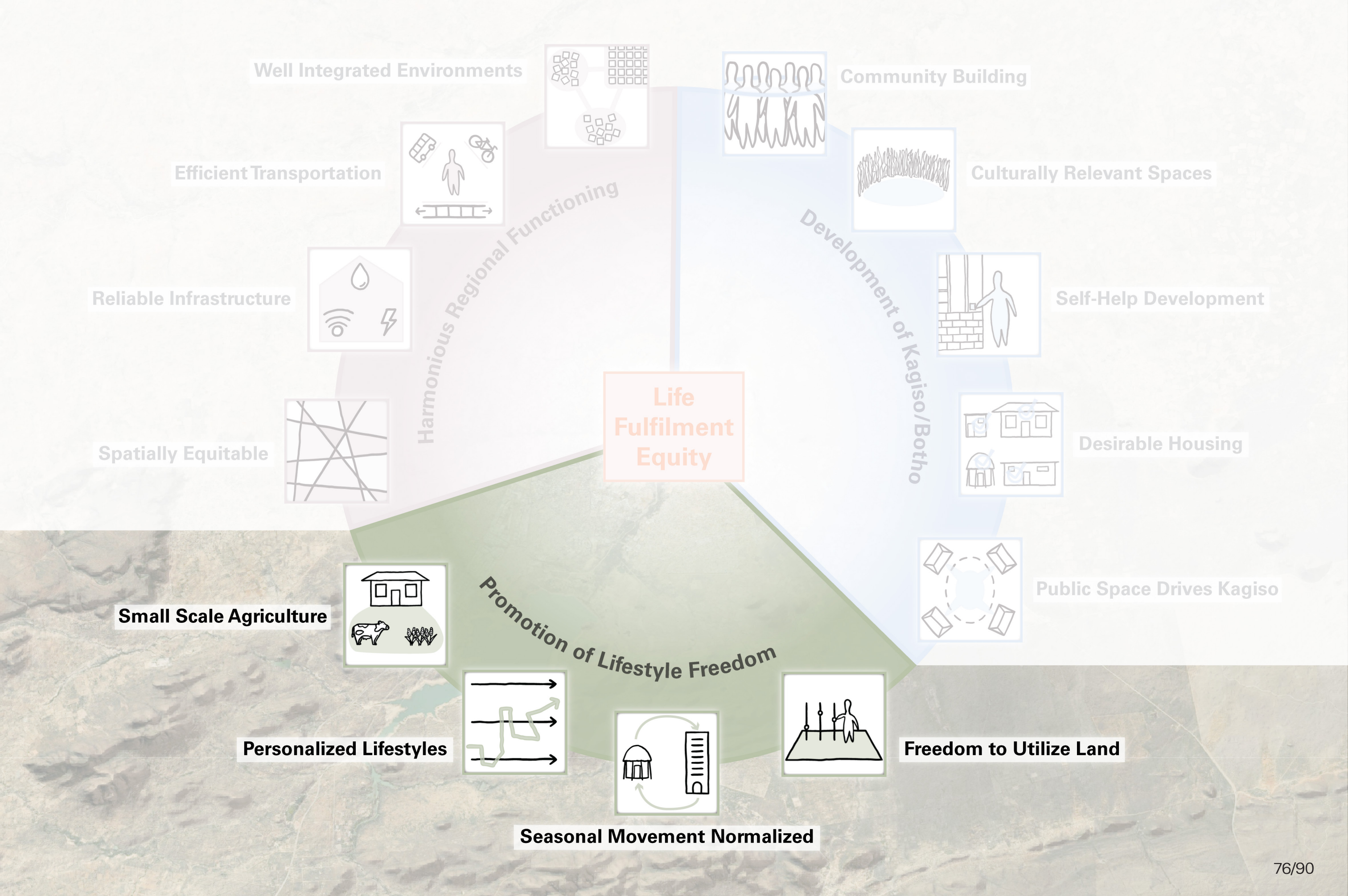












**Life  
Fulfilment  
Equity**

Harmonious Regional Functioning

Development of Kagiso/Botho

Promotion of Lifestyle Freedom

Well Integrated Environments

Community Building

Efficient Transportation

Culturally Relevant Spaces

Reliable Infrastructure

Self-Help Development

Spatially Equitable

Desirable Housing

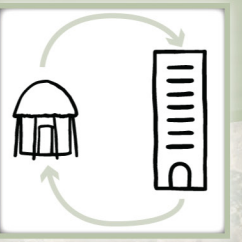
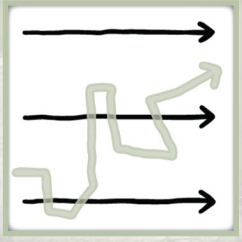
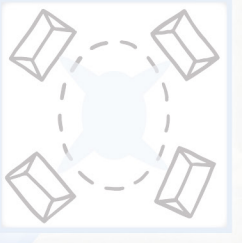
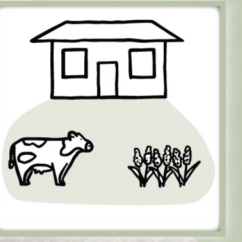
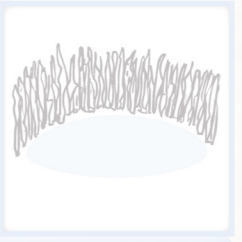
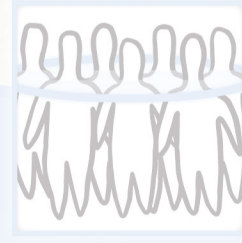
Small Scale Agriculture

Public Space Drives Kagiso

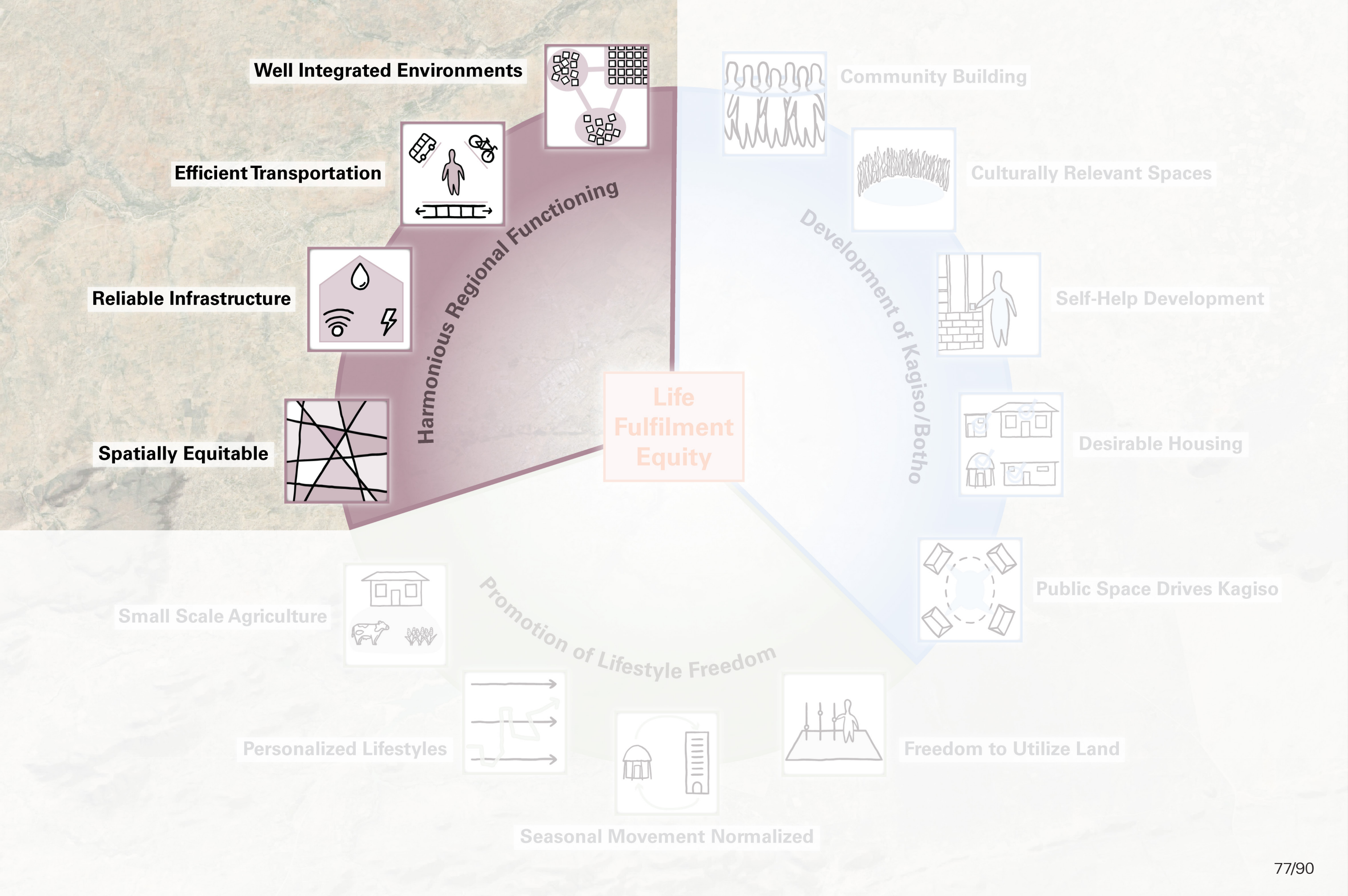
Personalized Lifestyles

Freedom to Utilize Land

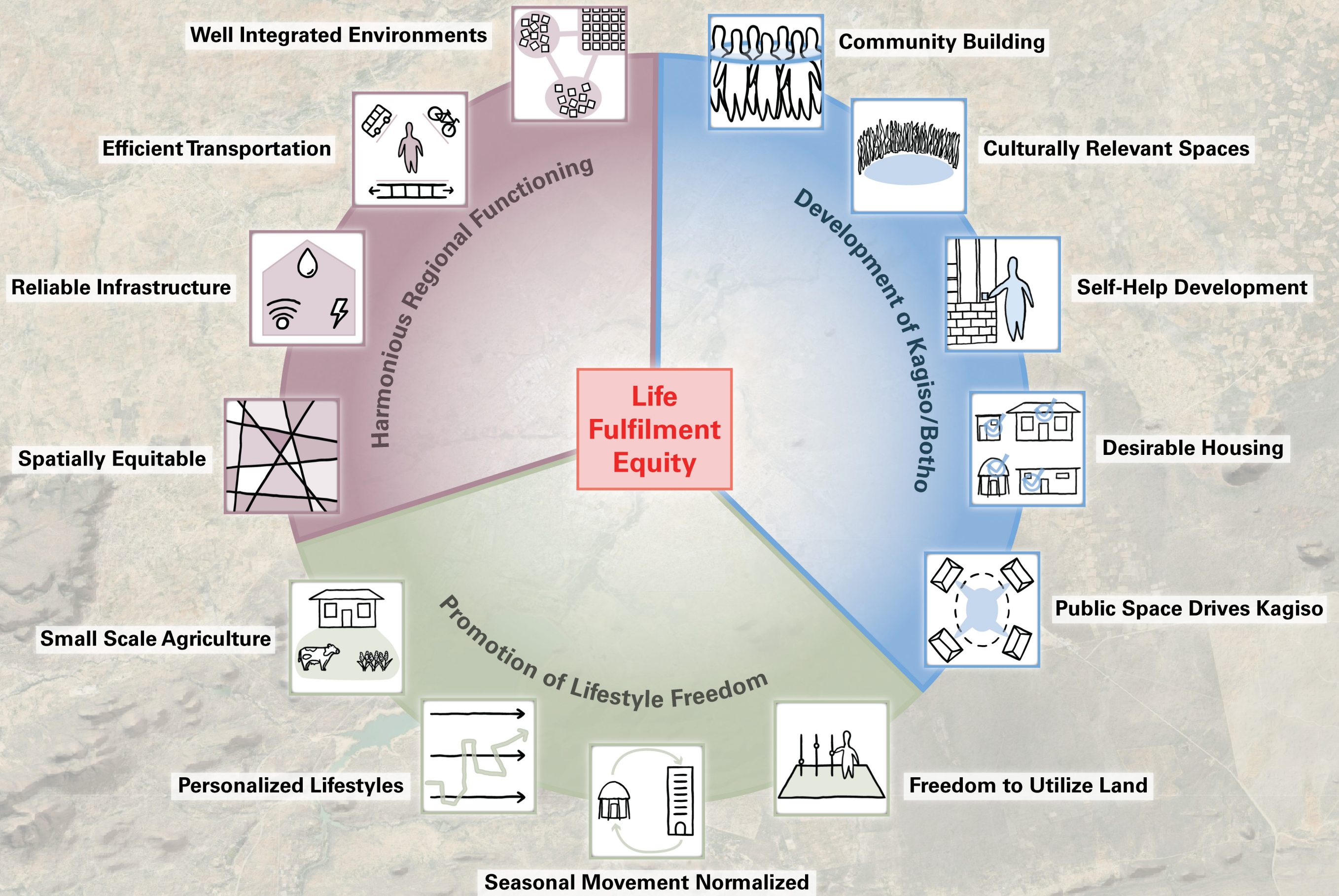
Seasonal Movement Normalized







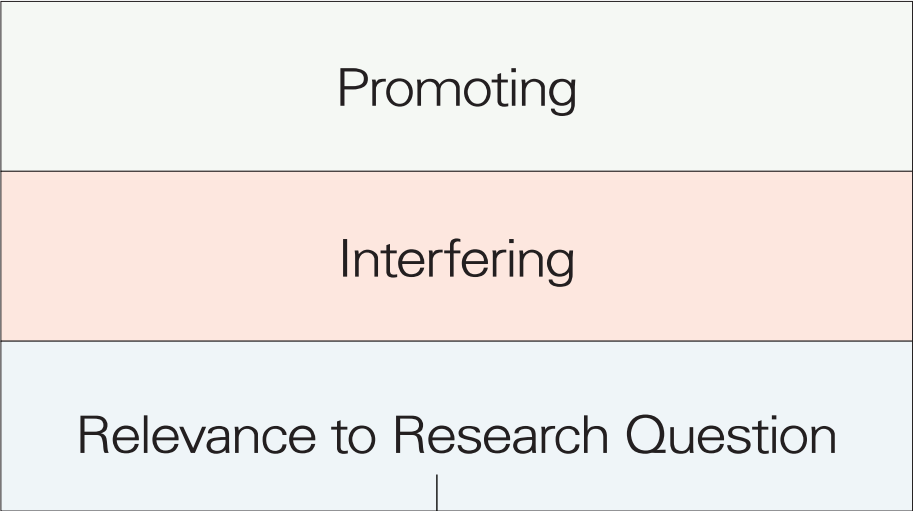






# Feasibility Analysis (x13)

1. Community building and Kagiso/Botho development forms the basis of spatial design across all scales and settlement types.



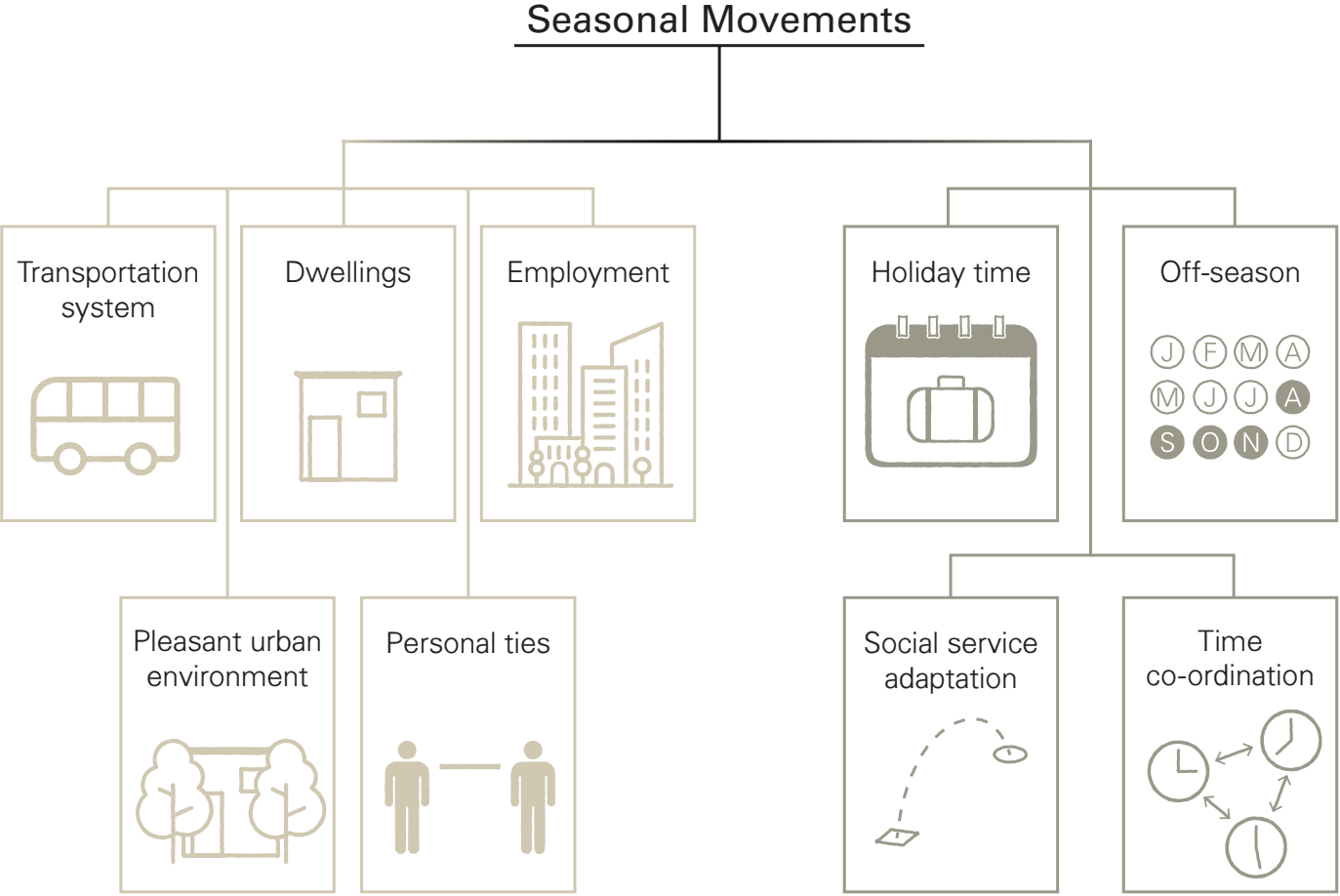
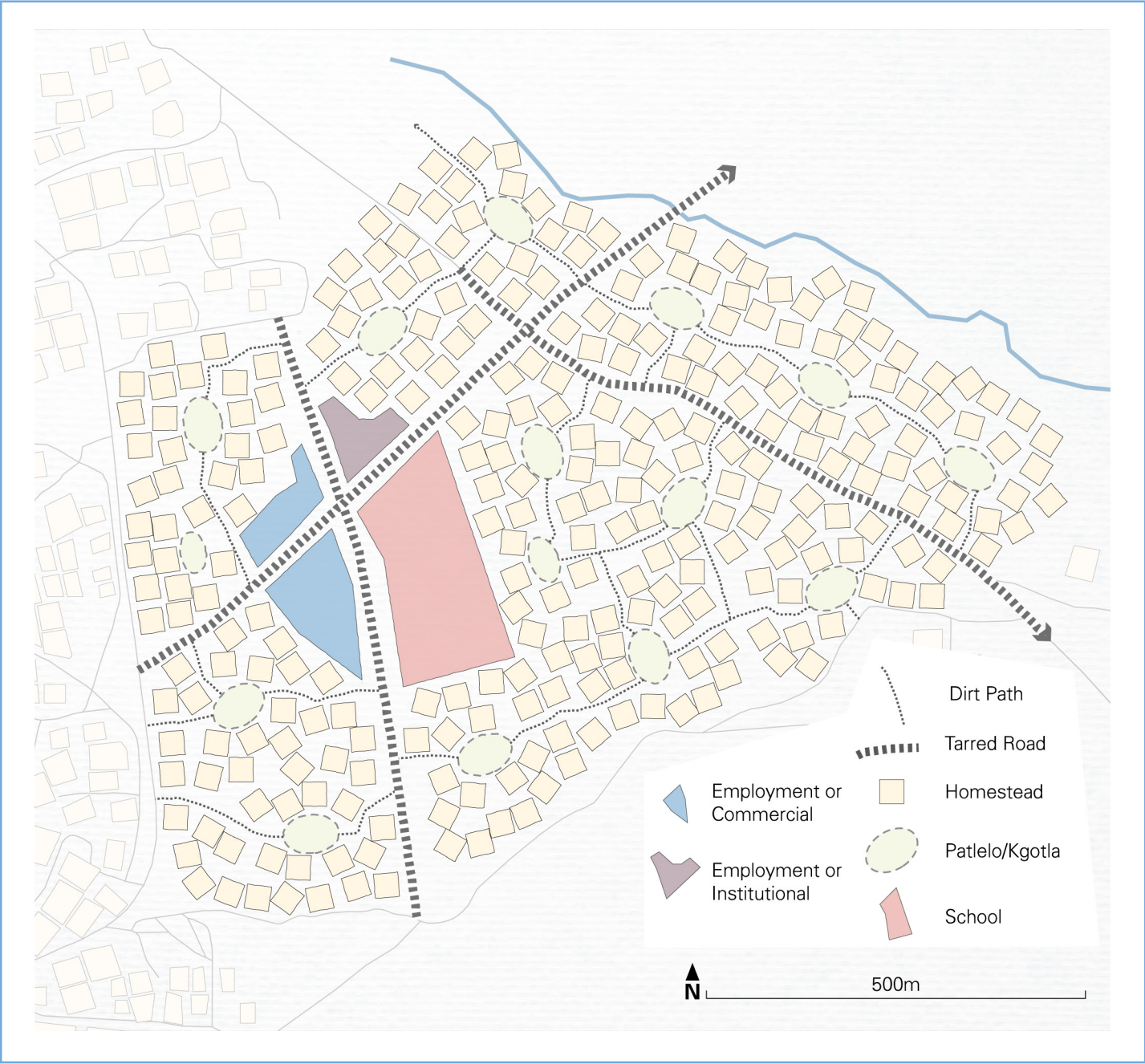
↓

How can urban design and planning be leveraged as tools to create a new spatial development paradigm that reduces life fulfilment inequality in the Gaborone region?

- Strong heritage of this development pattern occurring in the past provides a strong basis for a return to this style.
  - Development of community is seen as highly desirable by most Batswana.
  - Centralized planning system provides relatively simple avenue for altering planning policy on at a broad scale.
- Development system is based on capitalist principles, heavily prioritizing economic efficiency in land use development.
  - There is currently no entrenched method for measuring community development and individual life fulfilment. A lack of measurement tools makes it more difficult to justify significant policy changes as it is then more difficult to prove the effectiveness of changes.
- In considering that spatial design is playing a significant role in driving both inequality and lack of happiness and fulfilment, a radical re-think is necessary in order to reduce life fulfilment inequality.
  - The prioritization of Kagiso/Botho and community development in spatial design will help to foster a feeling of connectedness between people, their neighbourhoods and their culture.

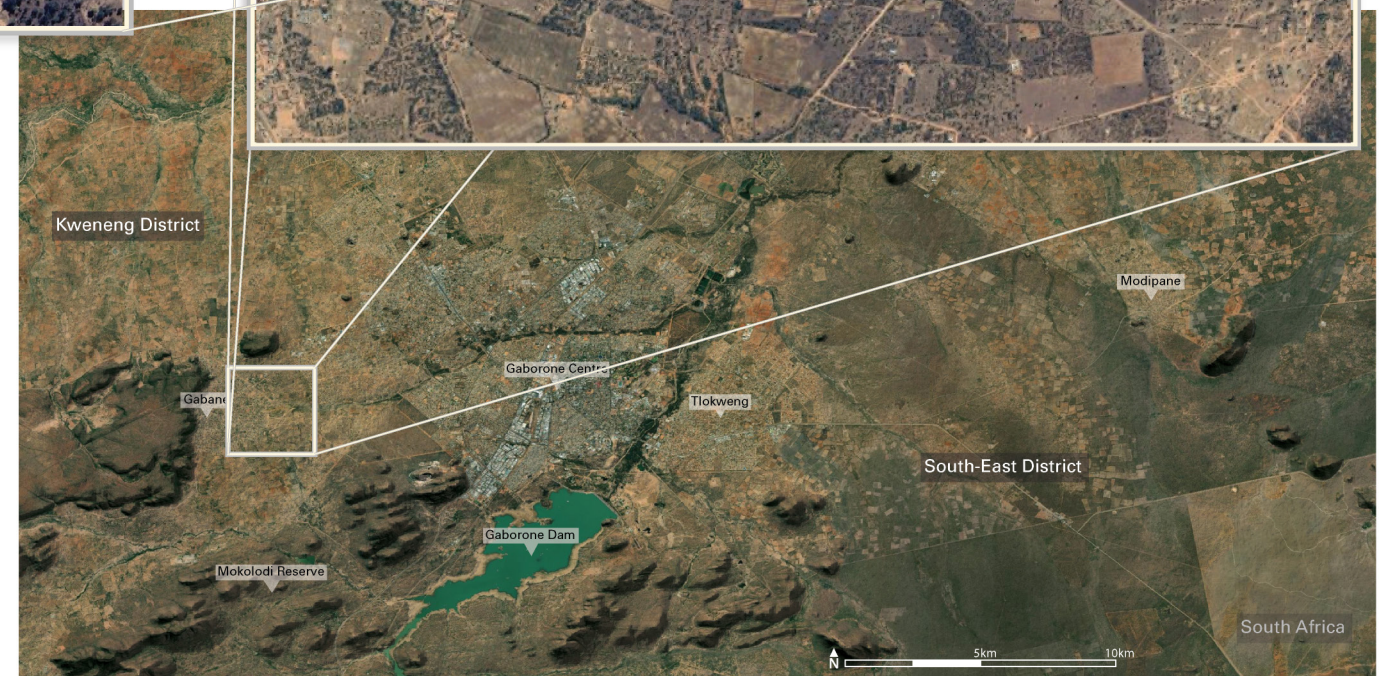


Design Demonstrations





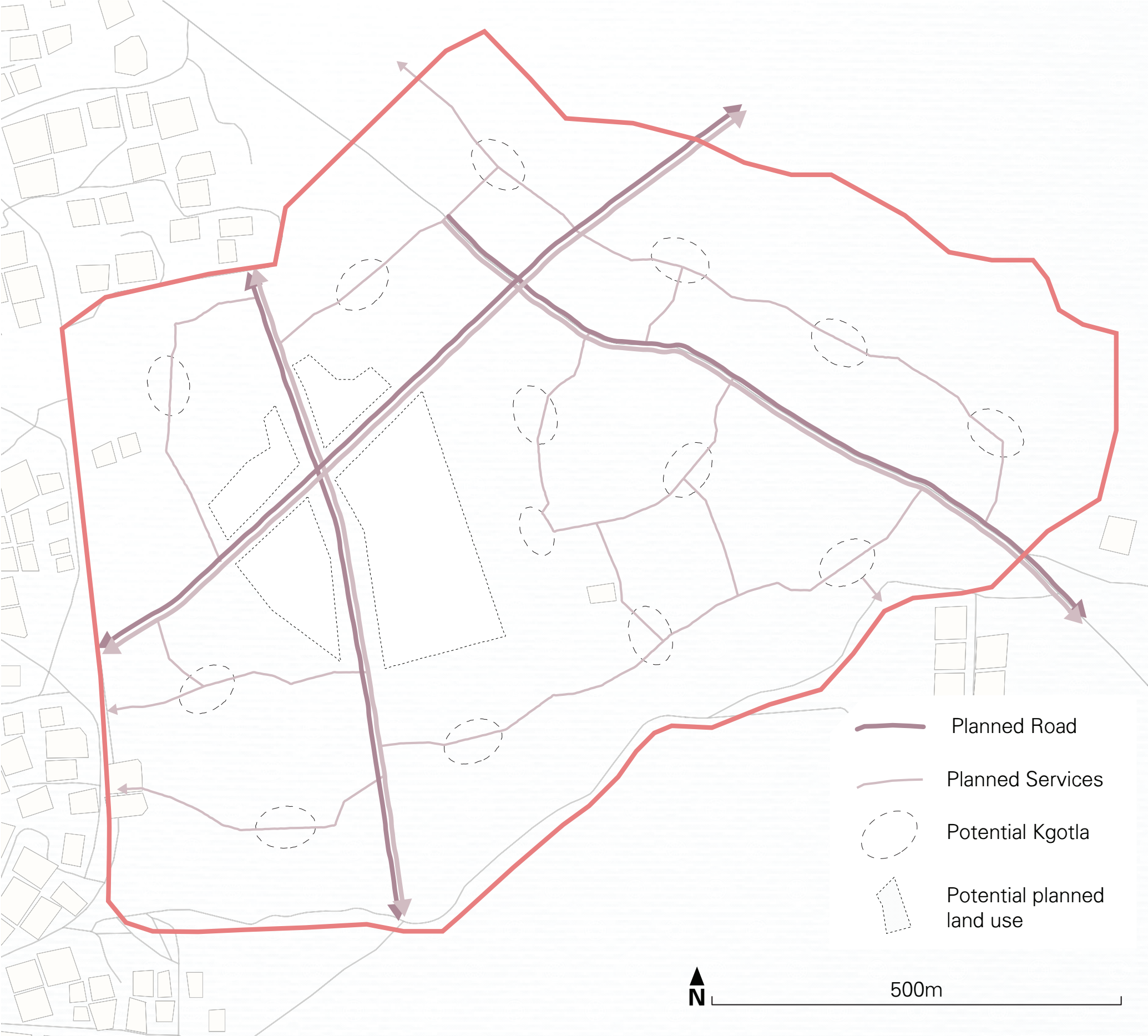
## Site - Outside Gabane



Source: Author, (Google Maps, n.d.-i)



# Sites and Services Development





Overall Plan





Zoom in





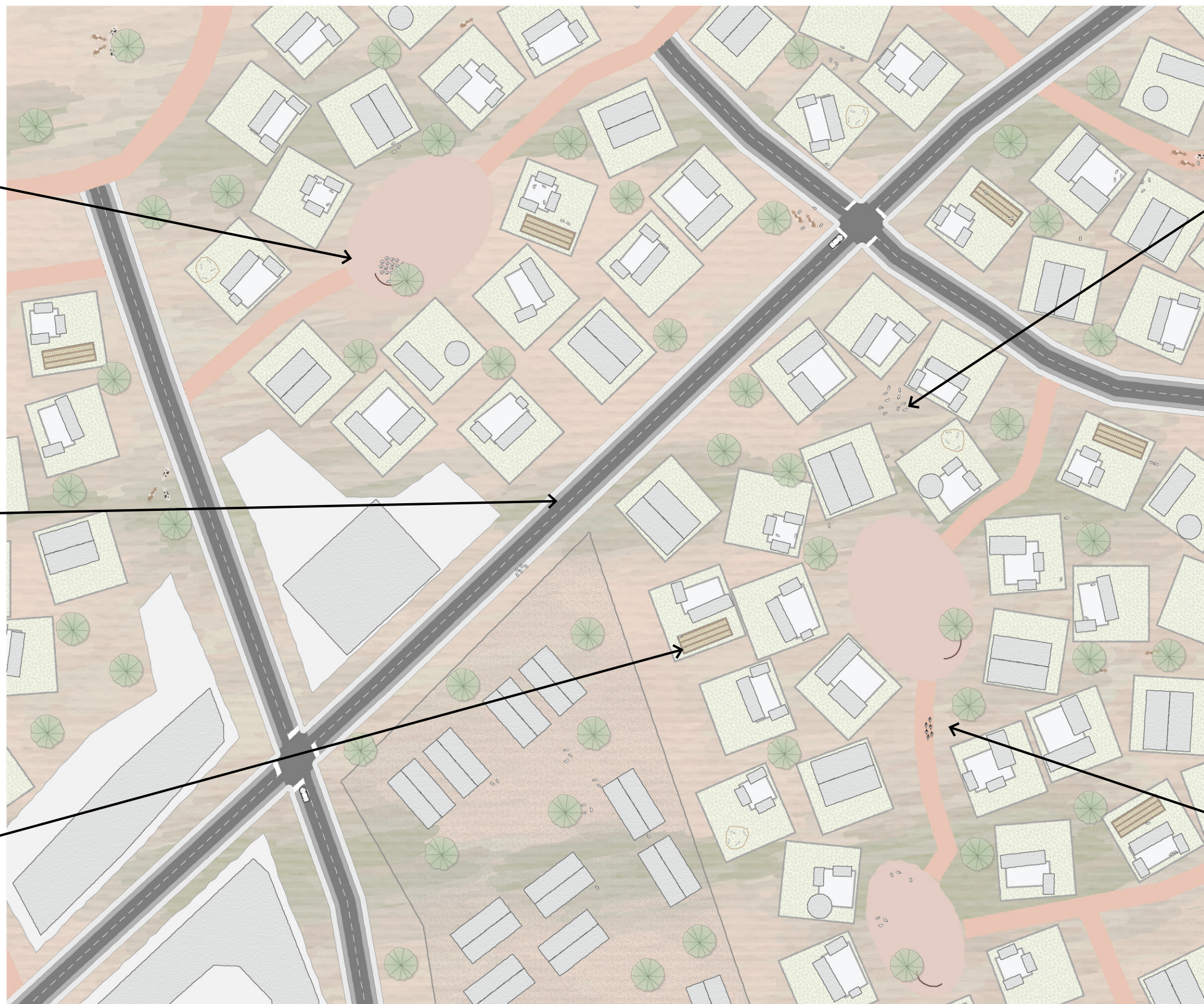
Orientation around  
the patlelo and  
kgotla

Mini-open spaces  
form creating  
possibilities for  
different public  
interactions

Efficient  
infrastructure layout

Freedom to use  
land for different  
needs

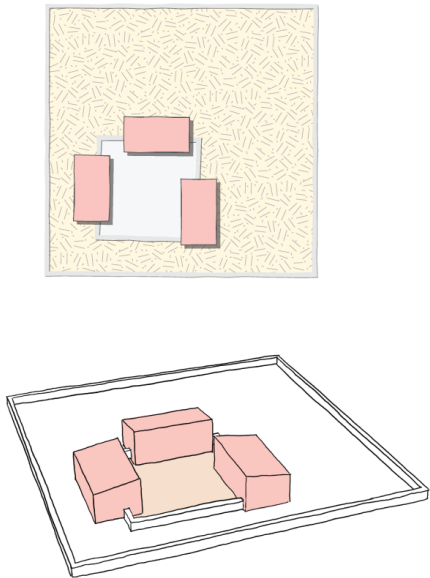
Space for children to  
play



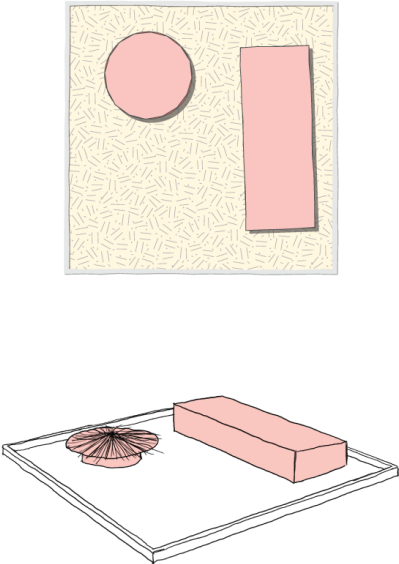


# Freedom and Variety

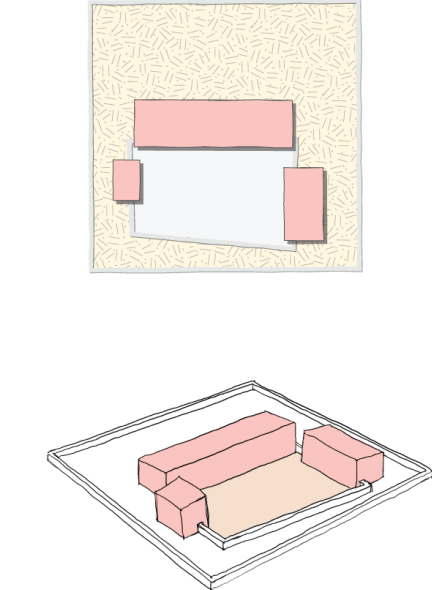
Traditional Layout with Lolwapa



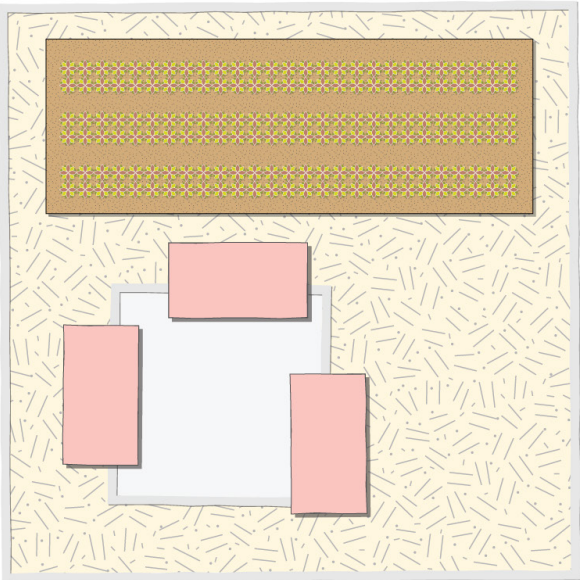
Modern and Traditional Styles



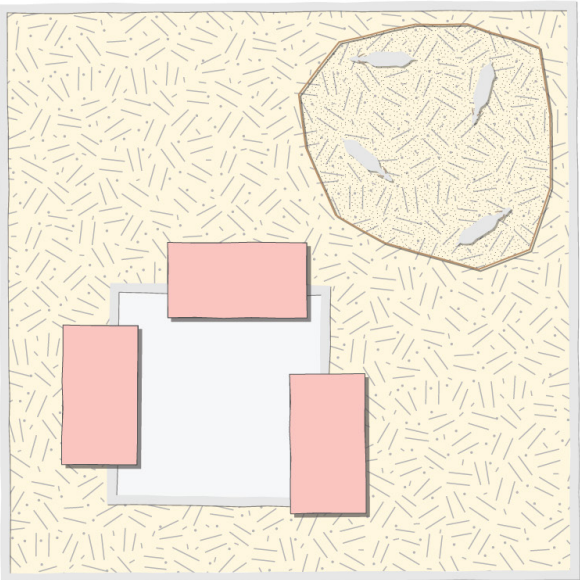
Quasi-Traditional with Lolwapa



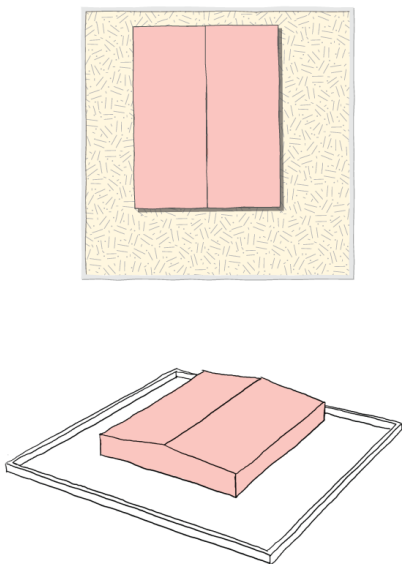
Agriculture



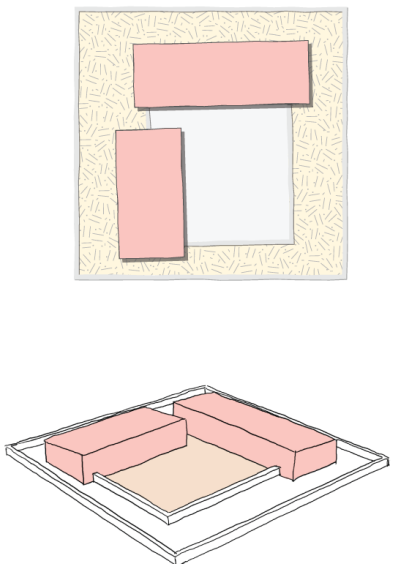
Animal Husbandry



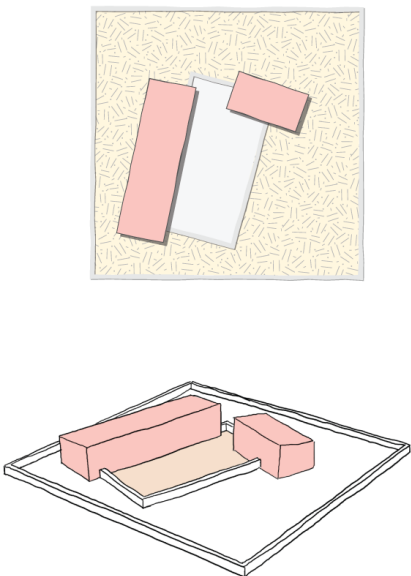
Large Modernist Style



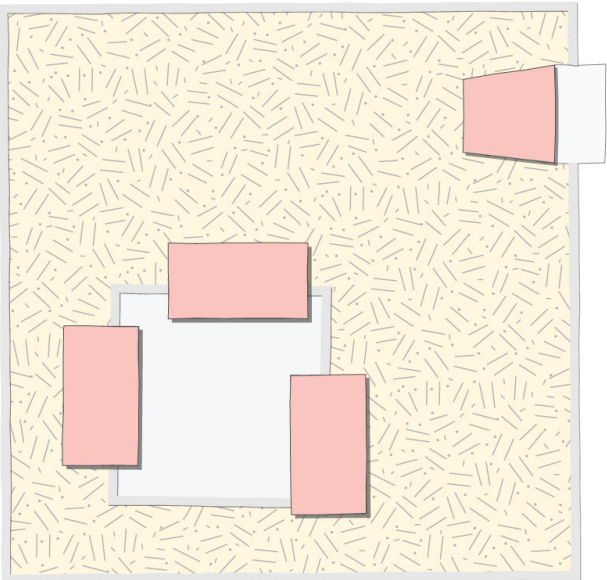
Large Buildings with Lolwapa



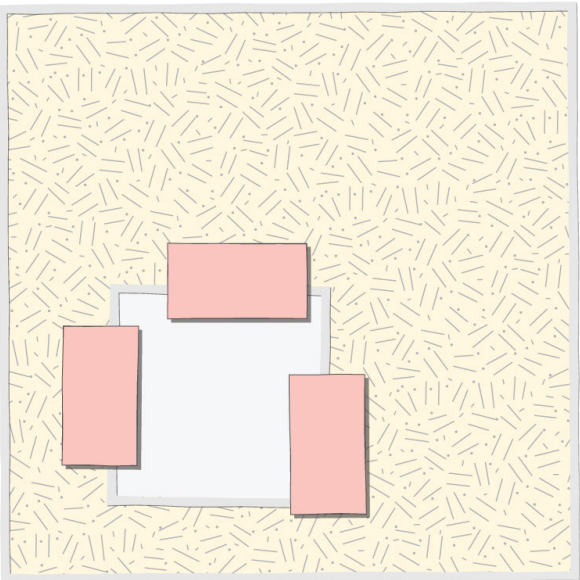
Medium Buildings with Lolwapa



Tuck Shop



Open



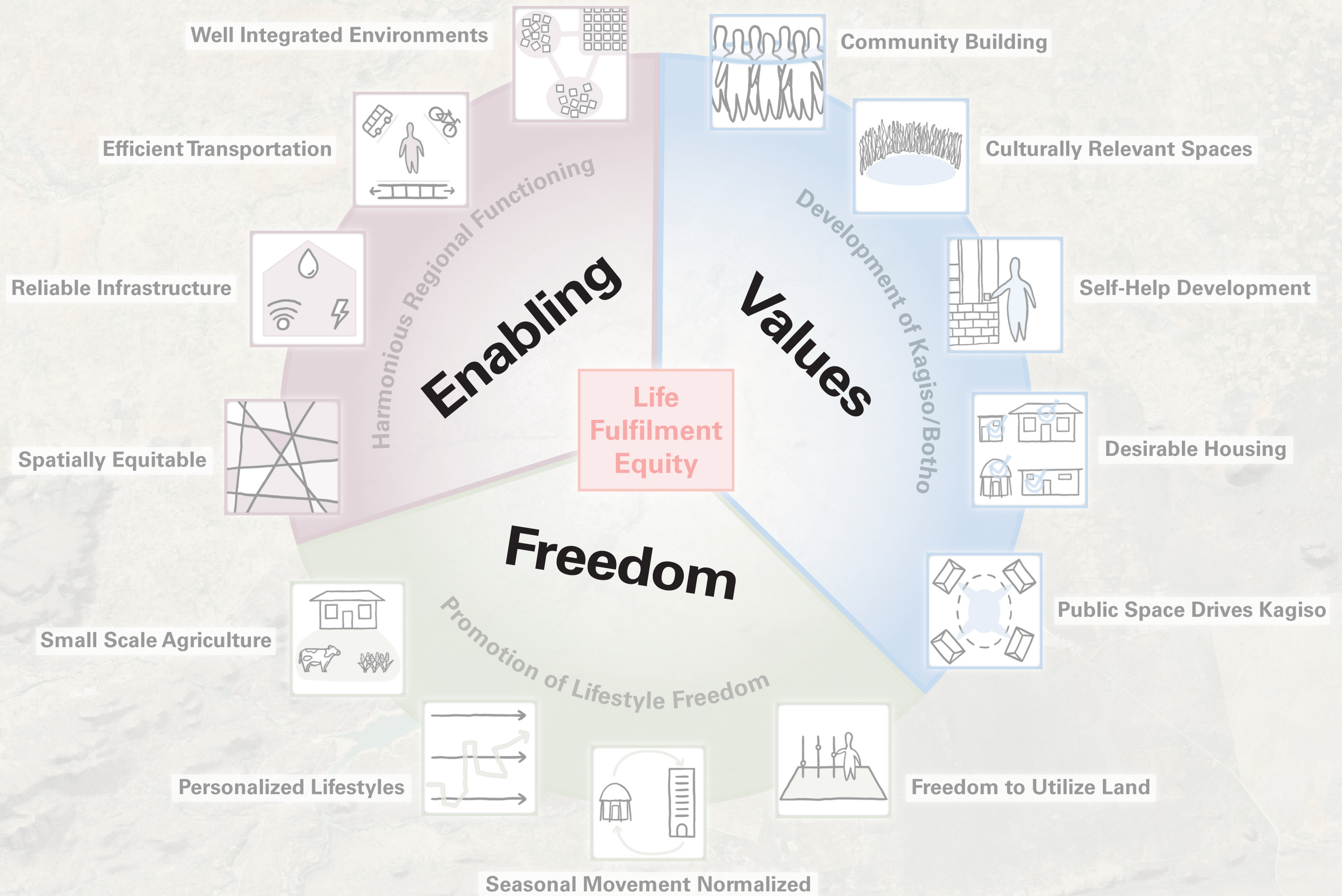






# What is the point of a city?







Thank You!  
Go Leboga!