



# LILONGWE

## CHARACTERISTICS OF SOCIAL SECURITY AFTER DUSK

©NASA





# RESEARCH FOCUS

How can social security principles be understood and applied to Lilongwe's built environment in order to ensure more safety and security at night?





# PRESENTATION STRUCTURE

## CONTEXT

Location & Geography  
History & Data

## THEORY

Social Security  
Spatial Influence

## CASE STUDIES

Places

## RESULTS & OUTLOOK

Results & Learning  
Outlook





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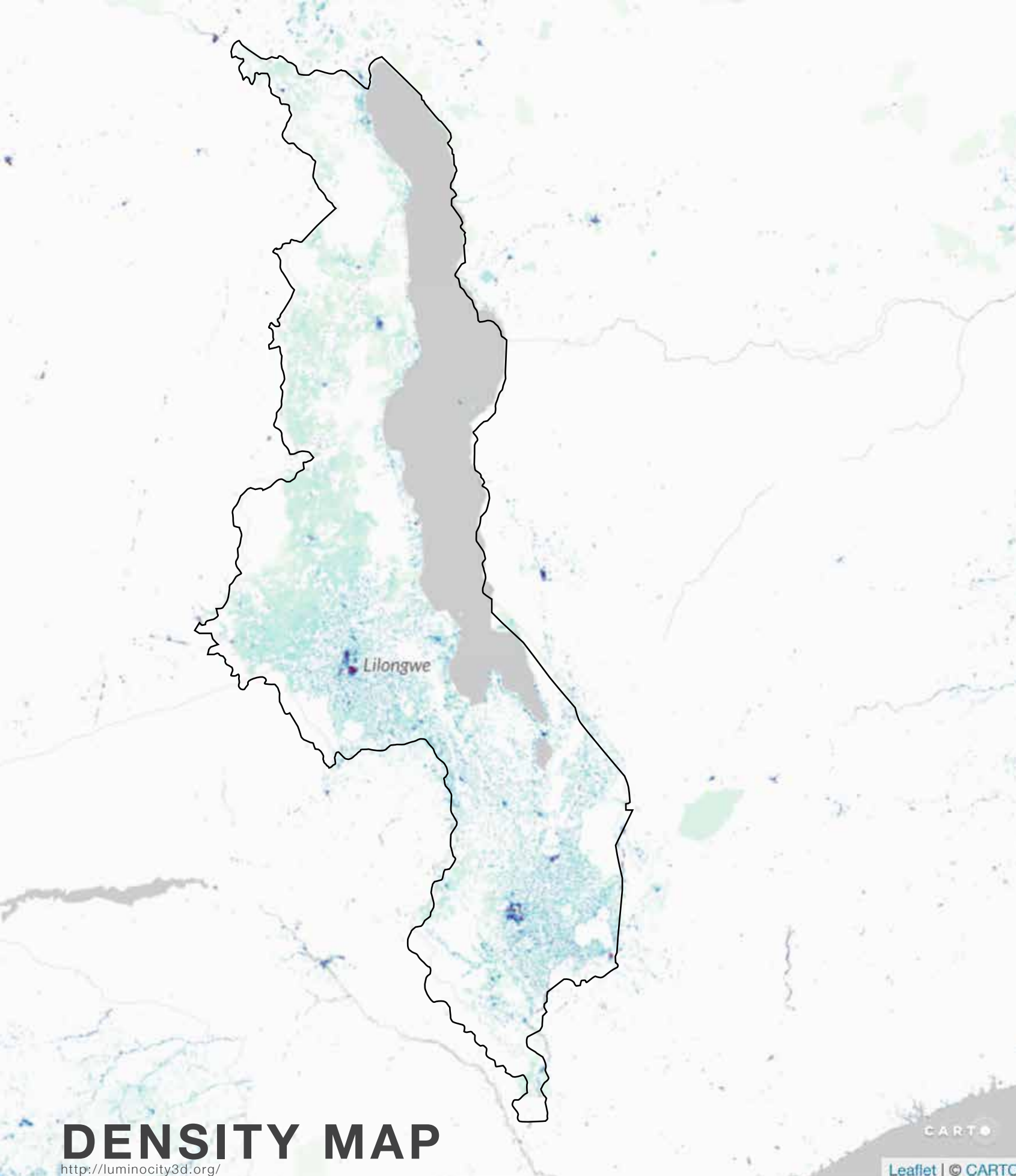
Results & Learning  
Outlook







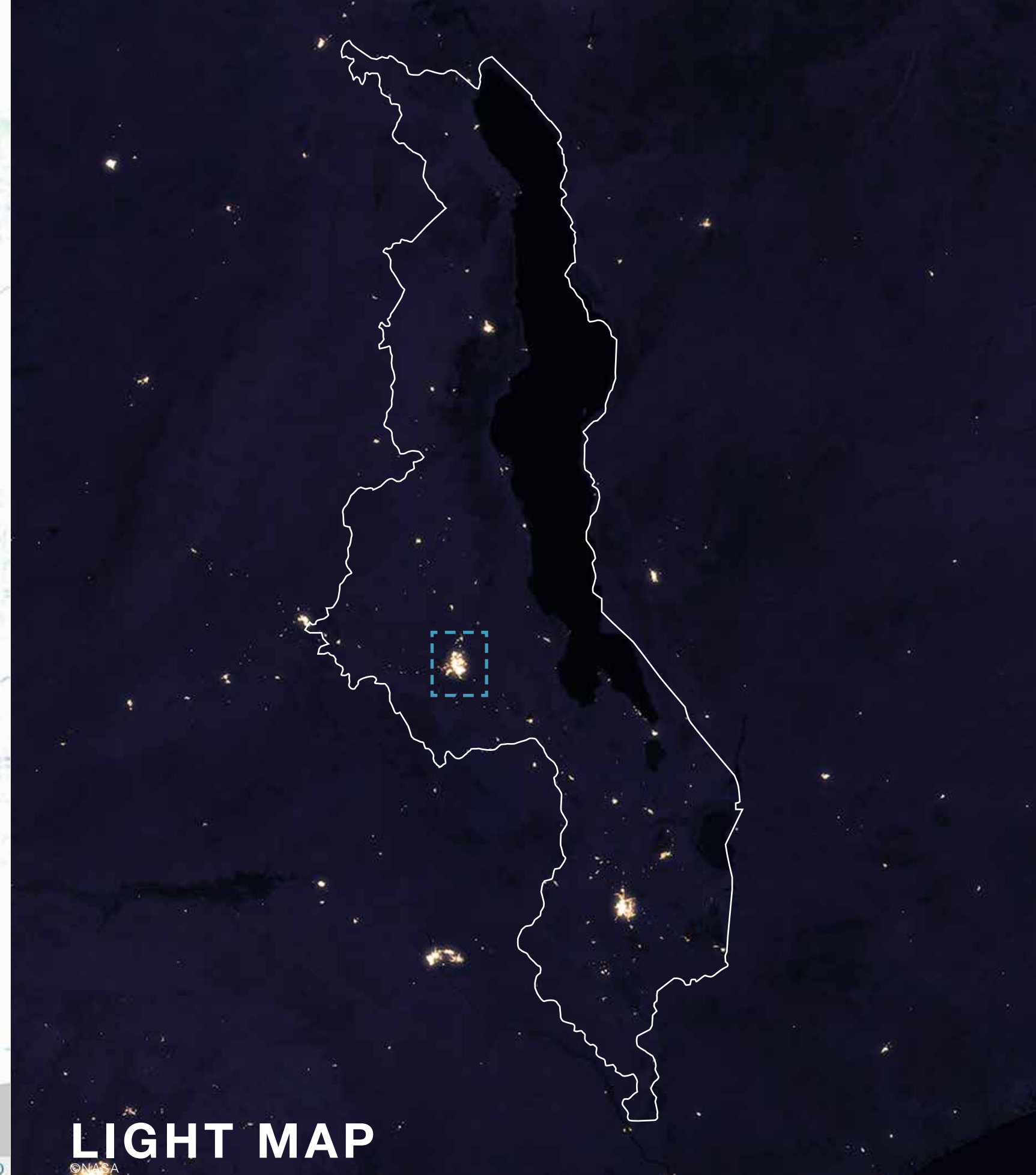




## DENSITY MAP

<http://luminocity3d.org/>

CARTO  
Leaflet | © CARTO



## LIGHT MAP

© NASA







**LILONGWE**  
1.4 M PPL.  
393 SQKM



**JOHANNESBURG**  
4.4 M PPL.  
1,645 SQKM



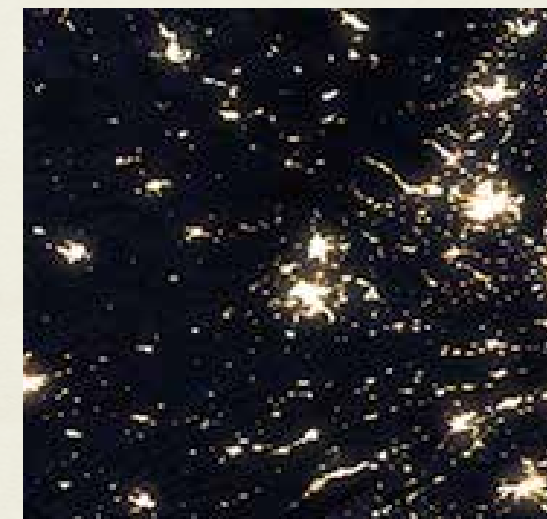
**LAGOS**  
22.7 M PPL.  
1,000 SQKM



**BEIRA**  
0.44 M PPL.  
633 SQKM



**NAIROBI**  
3.1 M PPL.  
696 SQKM



**BASEL**  
0.18 M PPL.  
24 SQKM

## LIGHT MAP COMPARISONS





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LAYER 1

## SOCIETY

MACRO-LEVEL

LAYER 2

## SPACE & USE

MESO-LEVEL

LAYER 3

## COMMUNITY

MICRO-LEVEL



# SOCIAL SECURITY





*“What attracts people most, it  
would appear, is other people.”*

– WILLIAM H. WHYTE

## SOCIAL SECURITY





*“...there must be eyes upon the street,  
eyes belonging to those we might call  
the natural proprietors of the street. [...] the sidewalk must have users on it fairly continuously, both to add to the number of effective eyes on the street and to induce the people in buildings along the street to watch the sidewalks in sufficient numbers.”*

– JANE JACOBS, THE DEATH AND LIFE OF GREAT AMERICAN CITIES (1961)

## SOCIAL SECURITY





*„Protection against crime and  
violence—feeling secure:  
Lively public realm;  
Eyes on the street;  
Overlapping functions day and night;  
Good lightning”*

– JAN GEHL, 12 KEY QUALITY CRITERIA FOR PUBLIC SPACES

## SOCIAL SECURITY





# IN WHAT WAYS CAN SOCIAL SECURITY BE INFLUENCED BY SPACE?



LIVELY SPACE

## SPATIAL INFLUENCE

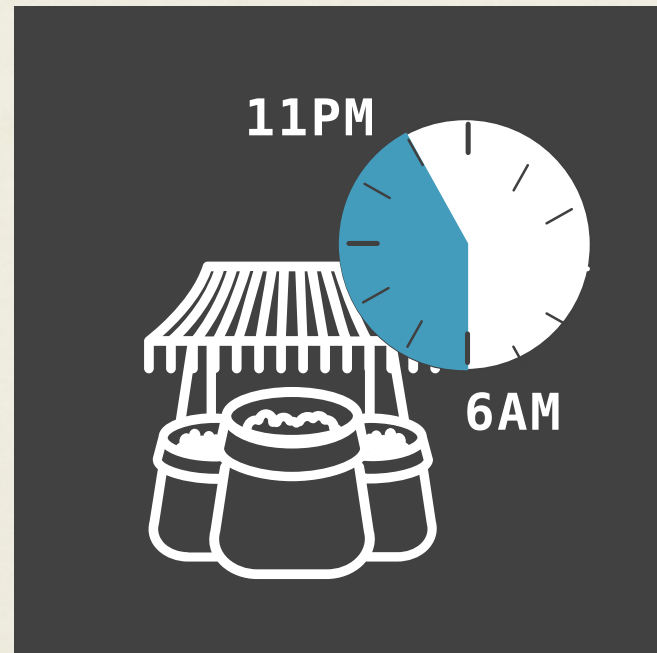




# IN WHAT WAYS CAN SOCIAL SECURITY BE INFLUENCED BY SPACE?



LIVELY SPACE



AROUND-THE-CLOCK  
USE

## SPATIAL INFLUENCE

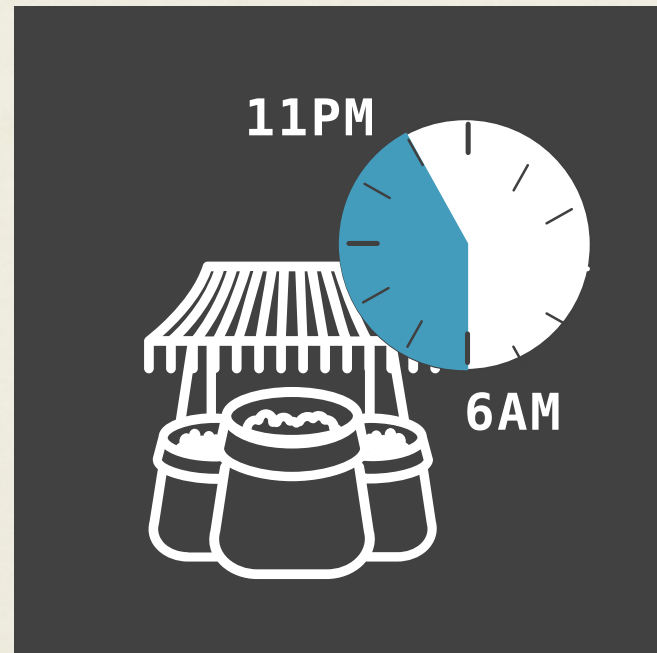




# IN WHAT WAYS CAN SOCIAL SECURITY BE INFLUENCED BY SPACE?



LIVELY SPACE



AROUND-THE-CLOCK  
USE



NEIGHBORS

## SPATIAL INFLUENCE

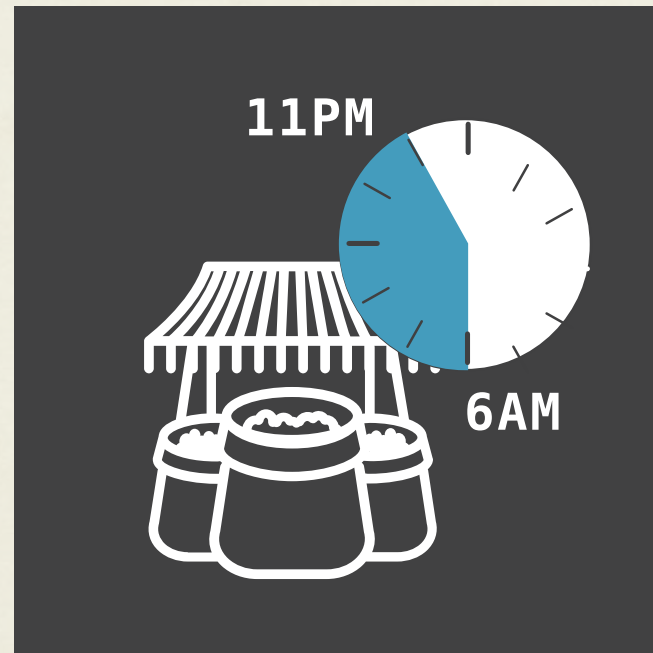




# IN WHAT WAYS CAN SOCIAL SECURITY BE INFLUENCED BY SPACE?



LIVELY SPACE



AROUND-THE-CLOCK  
USE



NEIGHBORS



COMMUNITY  
PATROL

## SPATIAL INFLUENCE

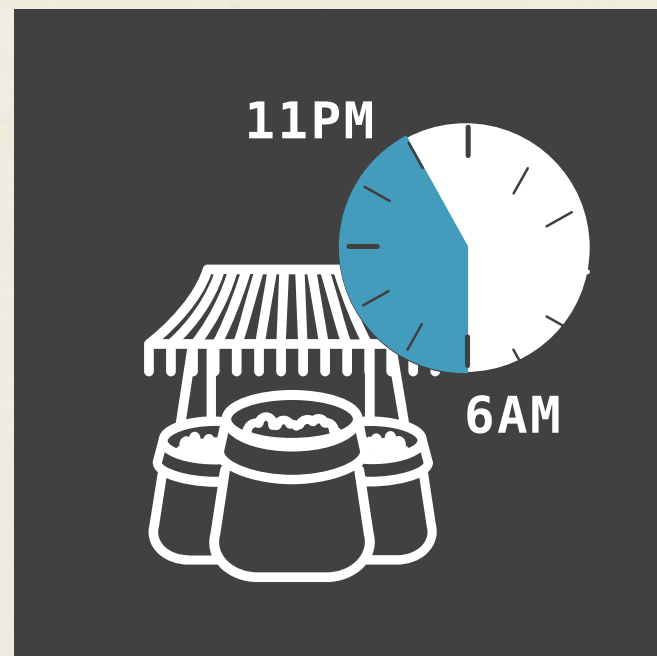




# IN WHAT WAYS CAN SOCIAL SECURITY BE INFLUENCED BY SPACE?



**LIVELY SPACE**



**AROUND-THE-CLOCK  
USE**



**NEIGHBORS**



**COMMUNITY  
PATROL**



**SAFE SPOTS**  
(Polis Station / Studio Gang)

## SPATIAL INFLUENCE





***“For a girl it is safe to walk in the dark  
between 6 - 8 PM. After that you might  
meet bad people.”***

– Chifumiro | Resident in Chinsapo (self-planned settlement in Lilongwe)





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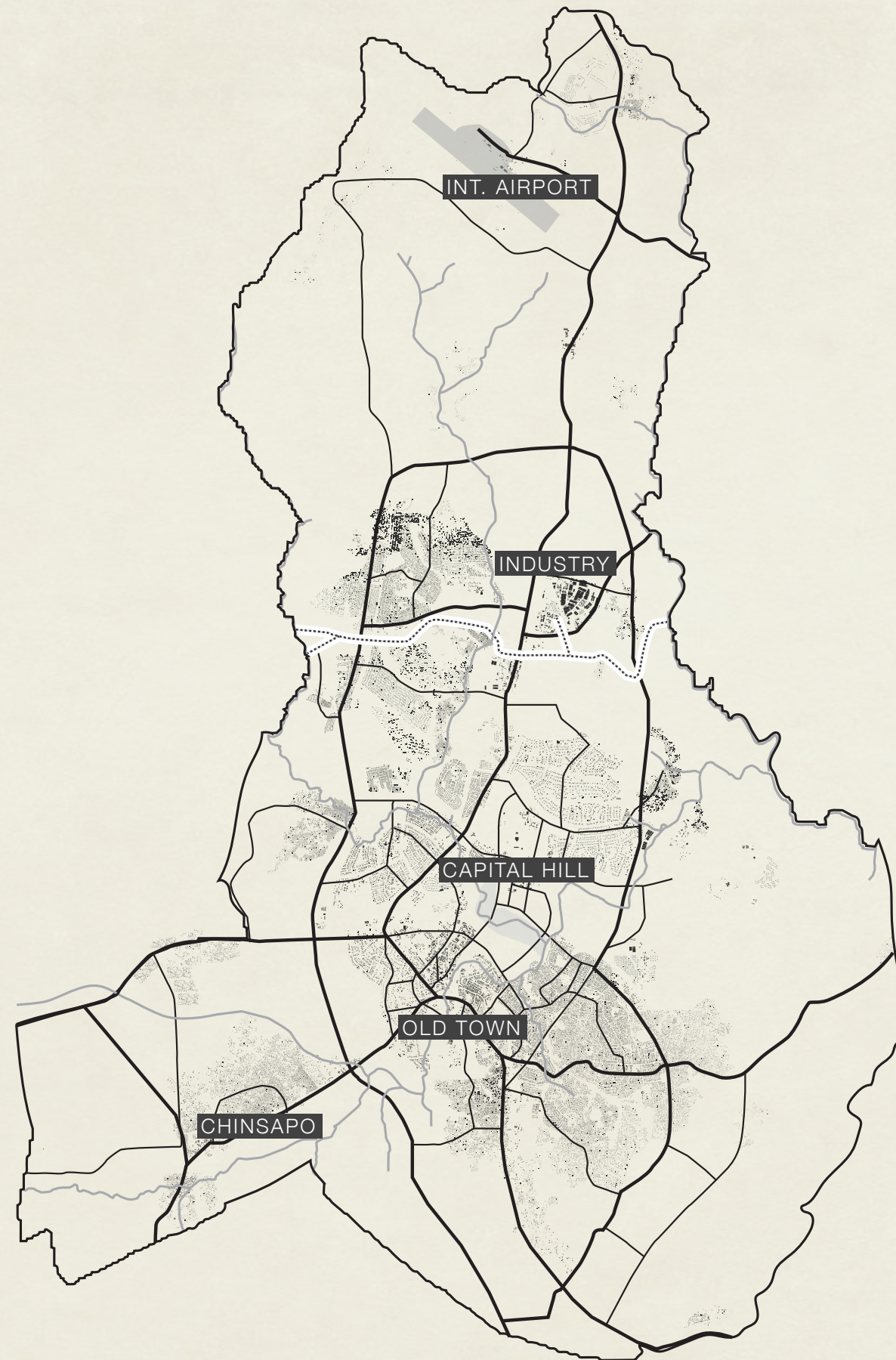


## RESULTS & OUTLOOK

Results & Learning  
Outlook





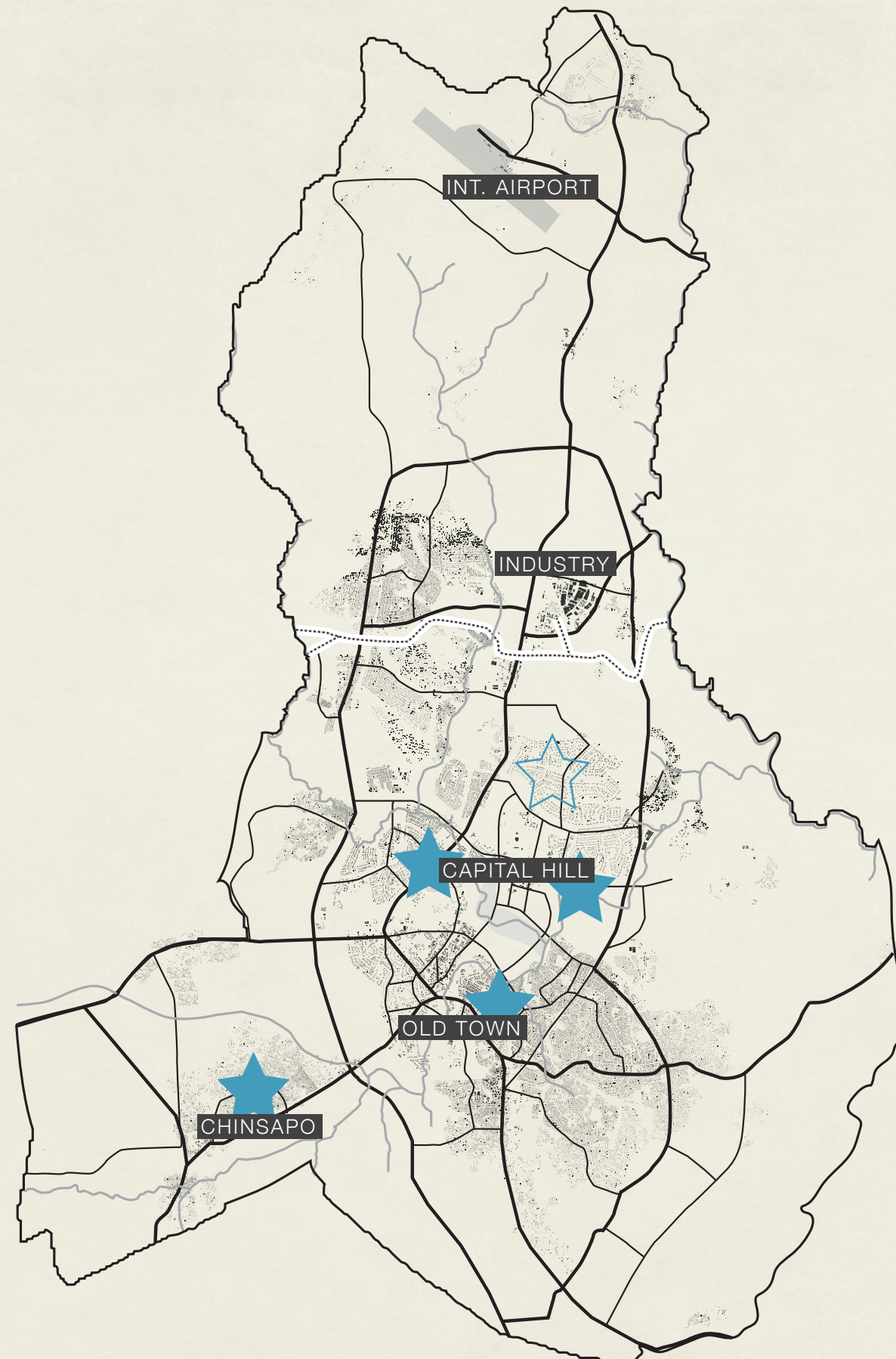


# LILONGWE

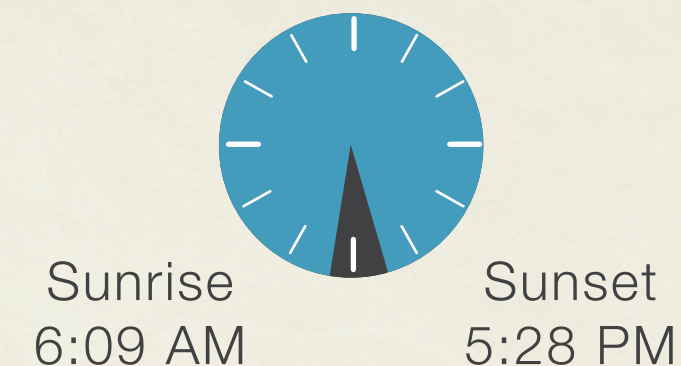




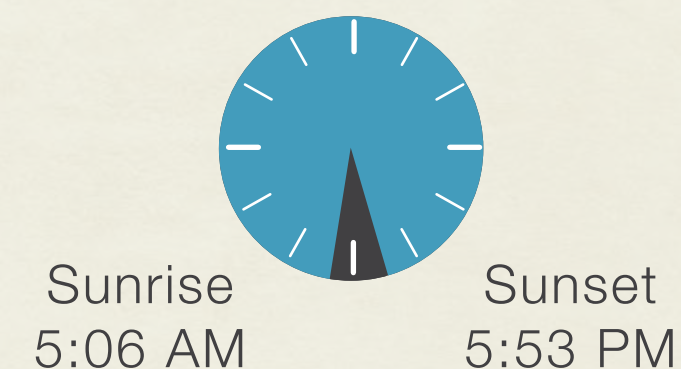
- ☆ **Area 43/10**  
\$\$\$ Residential
- ★ **Bwandilo**  
\$/\$\$ Bars/Clubs
- ★ **Four Seasons**  
\$\$\$ Bar/Restaurants
- ★ **Culture Club**  
\$ Bars/Clubs
- ★ **Chinsapo Market**  
\$ Groceries/Food/Drinks



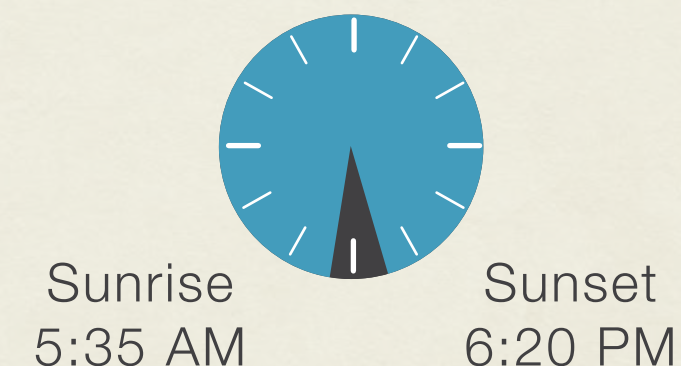
**TODAY**  
July 1, 2017



**EARLIEST**  
November 18



**LATEST**  
January 29



## NIGHTLY HOTSPOTS







**AREA 43/10**

**BWANDILO**

**FOUR SEASONS**

**CULTURE CLUB**

**CHINSAPO MARKET**

\$\$\$ Neighborhood

\$-\$\$\$ Amusement

\$\$\$ Amusement

\$ Amusement

\$ Commercial

**USE**

Residential

**USE**

Bars/Clubs/Food  
Market/Prostitution

**USE**

Food/Bars/  
Music

**USE**

Food/Bars/  
Music

**USE**

Groceries/  
Food/Drinks/  
Music

**USER**

\$\$\$, Malawian/  
foreigner

**USER**

\$-\$\$\$, Malawian/  
sex-worker

**USER**

\$\$-\$\$\$, Malawian/  
foreigners, families

**USER**

\$-\$\$, Malawian/  
sex-worker

**USER**

\$, Malawian

**CASE STUDIES | PLACES**







<b>AREA 43/10</b>	<b>BWANDILO</b>	<b>FOUR SEASONS</b>	<b>CULTURE CLUB</b>	<b>CHINSAPO MARKET</b>
\$\$\$ Neighborhood	\$\$ Amusement	\$\$\$ Amusement	\$ Amusement	\$ Commercial
<b>USE</b> Residential	<b>USE</b> Bars/Clubs/Food Market/Prostitution	<b>USE</b> Food/Bars/ Music	<b>USE</b> Food/Bars/ Music	<b>USE</b> Groceries/ Food/Drnks/ Music
<b>USER</b> \$\$\$, Malawian/ foreigner	<b>USER</b> \$-\$\$\$\$, Malawian/ sex-worker	<b>USER</b> \$\$-\$\$\$\$, Malawian/ foreigners, families	<b>USER</b> \$-\$\$, Malawian/ sex-worker	<b>USER</b> \$, Malawian

CASE STUDIES | PLACES





CASE STUDIES | AREA 43/10







**AREA 43/10**

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**FOUR SEASONS**

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**CASE STUDIES | PLACES**







**CASE STUDIES | PLACES** <http://www.shunya.net/>







**AREA 43/10**

\$\$\$ Neighborhood

**USE**

Residential

**USER**

\$\$\$, Malawian/  
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**BWANDILO**

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Bars/Clubs/Food  
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**FOUR SEASONS**

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**USE**

Food/Bars/  
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**CASE STUDIES | PLACES**







# CASE STUDIES | PLACES







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# RESULTING QUESTIONS

What change happens over time / with new generations?

How can working principles be utilized and transferred to other areas/contexts?

Which spatial interventions can integrate them in the built environment?





# WHAT CHANGE HAPPENS OVER TIME / WITH NEW GENERATIONS?

- More motorized individual vehicles / higher electricity supply
- Rising 'need' of night activities / changing society
- More seclusion / gated areas / condominiums
- More night activities in self-planned settlements through higher density & inability to come to central districts
- Higher crime potential embraced by seclusion & inequality

## CHANGE OVER TIME





# HOW CAN WORKING PRINCIPLES BE UTILIZED/ TRANSFERRED TO OTHER AREAS/CONTEXTS?



equal, just,  
inclusive, emerging  
society / economy

## NON-SPATIAL

policing, strengthening social capital,  
community-based organizations, involve-  
ment local key players & communities,  
international partnership mechanisms,  
focus on vulnerable groups, greater  
commitment to evaluations

## TRANSFER





# HOW CAN WORKING PRINCIPLES BE UTILIZED/ TRANSFERRED TO OTHER AREAS/CONTEXTS?

EXAMPLE



**SOCIETY**  
macro-level

GOAL

equal, just,  
inclusive, emerging  
society / economy

METHOD

## NON-SPATIAL

policing, strengthening social capital,  
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**SPACE**  
meso-level

functional mixed,  
inviting, active,  
lively, accessible

## SPATIAL

Land-use plans  
Capacity building  
Best practices  
Public transport  
...

## TRANSFER





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inviting, active,  
lively, accessible

## SPATIAL

Land-use plans  
Capacity building  
Best practices  
Public transport  
...



**COMMUNITY**  
micro-level

connected, interac-  
tive, trusting,  
functional

## SPATIAL

Space activation  
Facade permeability  
Safe spots/axes  
...

## TRANSFER





# HOW CAN WORKING PRINCIPLES BE UTILIZED/ TRANSFERRED TO OTHER AREAS/CONTEXTS?

EXAMPLE



GOAL

equal, just,  
inclusive, emerging  
society / economy

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**SPATIAL**  
Land-use plans  
Capacity building  
Best practices  
Public transport  
...



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**SPATIAL**  
Space activation  
Facade permeability  
Safe spots/axes  
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## TRANSFER

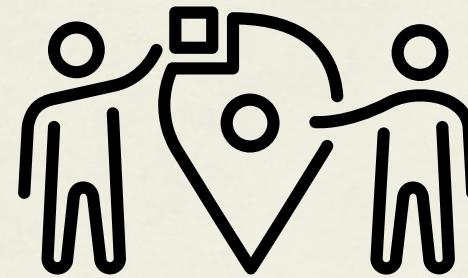
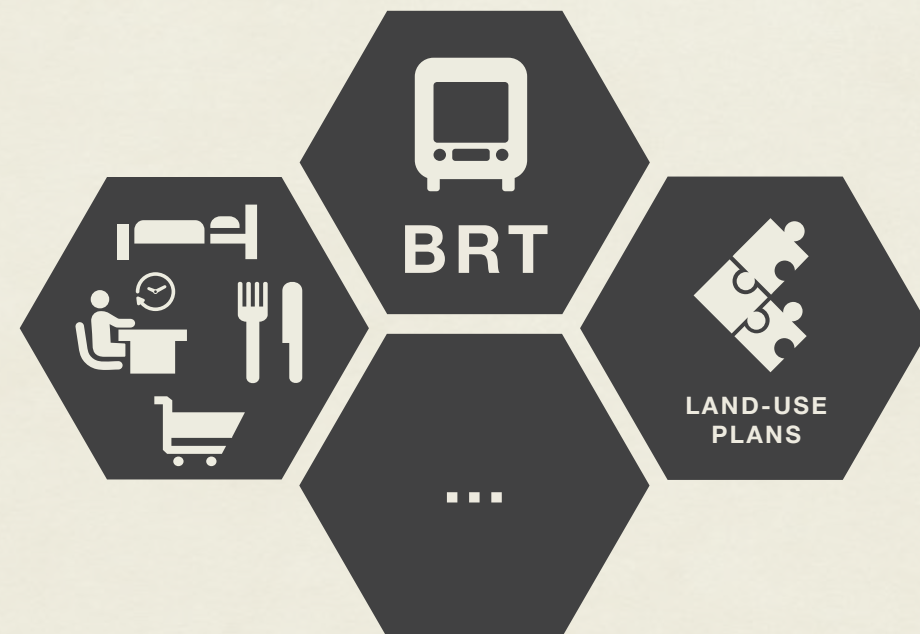




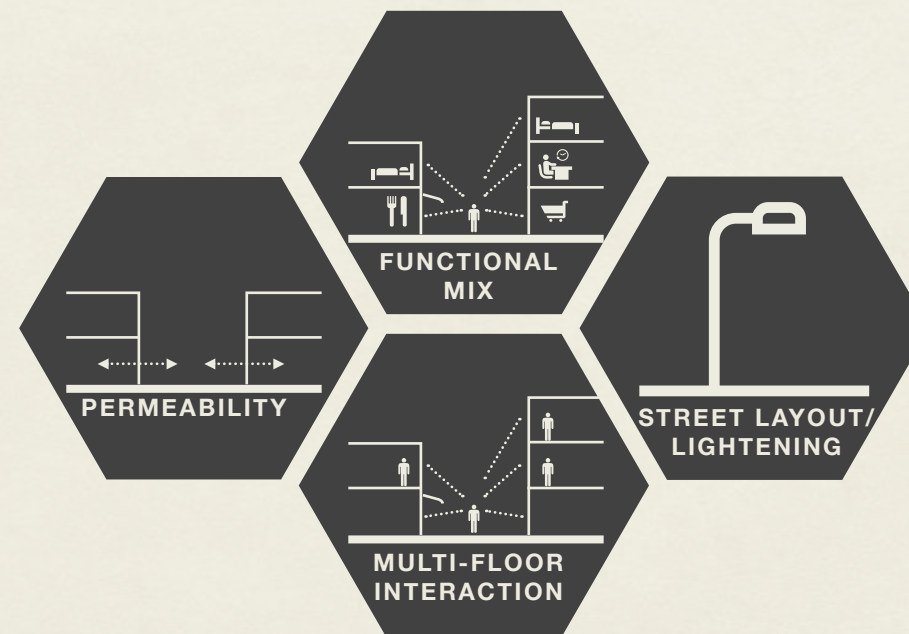
# WHICH SPATIAL INTERVENTIONS CAN INTEGRATE THEM IN THE BUILT ENVIRONMENT?



## LARGE SCALE DEVELOPMENT



## SPACE MAKING



## URBAN ACTIVISM



## SPATIAL INTERVENTIONS





# OUTLOOK & NEXT STEPS

- Thorough analysis of comparable cities
- Detail particularities of Lilongwe
- Test and prove concepts with community
- Integration in work / plans
- How to approach so-called “No-Go-Areas“ without fear?





# OPEN QUESTIONS

Can social security principles counteract crime and inequality, if utilized correct?

Is a shift towards active facades, less walls, and mixed-use areas realistic / doable?

What approaches exist in other cities / what works, what could be possible?





# THANK YOU

YOU ARE WELCOME TO GIVE FEEDBACK AND  
PROVIDE ADDITIONAL INSIGHTS TO:



**URBAN FRAMEWORK**

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