On the Fringe
Problem Statement & Research Question
68% of the world’s population will live in cities by 2050.

Housing cost = 200% income on average in the Global South.

200,000 mln people moving to cities everyday in the Global South.

1 B+ people will live in informal housing in the Global South by 2020.
INEQUALITIES

OVERCROWDING

INFRASTRUCTURE

TRANSPORT
Bangkok, 1989

Bangkok, 2019
«The future of vernacular tangible and intangible heritage is uncertain and if we fail to act on that, its disappearance will not only be regrettable later on from a cultural perspective, but also opportunities for sustainable economic development and addressing inequality will be lost and can’t be recovered»

From: Bangkok Vanguards, Heritage preservation a lost cause?
Cité << Ville

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Cité ○ ○ Ville
How can architecture use in-between spaces to negotiate the transition between public and private space, improving the current living condition, in synergy with tangible and intangible values of a place?
Physical Transition

Historic Transition

Technological Transition

Economical Transition

Social Transition
Research
**Population in Ethiopia**

- 85 mln in 2010
- 175 mln in 2050

**Addis Ababa’s housing stock in 2011**

- 30% fair condition
- 70% in need of replacement

**Units needed in Addis Ababa in 2011**

- 300,000 units
"Only people who could afford the down payment were given a unit in a condominium. Everyone else was put on the street"

(qte Nigusse)
Addis Ababa, 2019
Addis Ababa, 2030?
“I think if were an architect I would approach it from the viewpoint of the poor. We are the majority”
(qte Hembet)
Up to 17 different apartments
Rural Enclosure

Urban Enclosure
Urban Blindness
Talian Villa
On top becomes a **Plateau**

Base Plinth

One-Floor Plinth

Pockets for Different Activities

Protected Court & Public-Private Transition
Type B

Type B | Groundfloor

Lavoir

The Typology
1:100
Groundfloor Shops

Groundfloor Apartments
Lived Step

Watchtower Door
“The closed door in-between rooms [...] showing the possibility of communication”

(qte Louis Kahn)
Pocket Street
The Ethiopian Steps
Type B | 1st floor

Common Kitchen

The Typology
1:100
Type B

Type B | 2nd floor

The Typology
1:100
Type B | 3rd floor

The Typology
1:100
**The Slope**

**The Plinth**

**The Portico**

**The Veranda**
Public $\rightarrow$ Semi-public $\rightarrow$ Semi-private $\rightarrow$ Private

A Relative System
Type M

Type M | Groundfloor/-1

The Typology
1:100
Type M | Groundfloor

The Typology
1:100
Type M | 1st floor
Detail

Vault System

1. 30 mm Earthen Floor coated with linseed oil
   60 mm mineral lightweight loam
   Sand filling
2. Clay Tile
3. Installations and Tubes
4. Waterproofing membrane of bitumen felt
5. 40 mm lightweight mineral loam
   Sand filling
6. Cement filling
7. Concrete Beam
Construction System

Ancient Tradition
Adobe Bricks & Wooden Beams

Modern Tradition
Concrete Structure & Cement Blocks

Hybrid Evolution
CSEB & Concrete Beams
Locally sourced, Sustainable

Local labourforce

High performance material
+ 10 h thermal shift
Funding

World Bank 80%

Secondary Bank 20%

State’s Guarantee

Commercial Activities

Pay Back

State’s Guarantee

Commercial Activities

Pay Back
“Our livelihood is interwoven with the area we live in now. Our survival depends on this place and some of us are going to die for that reason”

(qte Hembet)
### Talian Sefer Today

- **Surface:** 27.2 ha
- **Units/ha:** 80 u/ha
- **FSI:** 0.6
- **Building height:** 1-2 storey

### Talian Sefer 2030

- **Surface:** 5.7 ha
- **Units/ha:** 179 u/ha
- **FSI:** 1.6
- **Building height:** 4-7 storey
Mickey Leland 20/80

- Surface: 21 ha
- Units/ha: 90 u/ha
- FSI: 1
- Building height: 5 storey

Sengatera 40/60

- Surface: 2.6 ha
- Units/ha: 144 u/ha
- FSI: 1.85
- Building height: 13 storey

Talian Sefer 2030

- Surface: 2.54 ha
- Units/ha: 203 u/ha
- FSI: 1.68
- Building height: 4–7 storey
Phasing
Urban Amenities

Market

Fruit Hub

Park

Hotel

Civic Center

Water Tank/Playground
Supporting the Community
“First they tore down the tajalla [...]. Men used to gather there to drink and chat and discuss what was going on”

(qte Negusse)
Open Spaces
Main Roads
Secondary Street
Commercial Street
Residential Street
Tree Gate
“The amnesia in the urban fabric causes amnesia in the social fabric, it detaches us from the ground we are standing on”

(qte Lina Ghotmeh)