



Poor communities are usually at the receiving end of the worst impacts of climate change

Summers are hotter, winters are colder and disasters are frequent with increased intensities



Low income households in developing countries spend an estimated 30% of their income on food, health and other expenses out of which 15-20% is normally spent on fuel, energy and appliances.

The inefficiencies of ad-hoc built structures are exacerbated.

Spaces with poor ventilation, natural lighting and thermal conditions, result in high operational cost of energy





In the last decade, **83% of all disasters were caused by extreme climate-related events**, such as floods, storms and heatwaves.

The inefficiencies of ad-hoc built structures are exacerbated.

Costs associated with **mitigation** (repairs, investing in healthcare, productivity losses) are recurring and inefficient leading families into a cycle of poverty



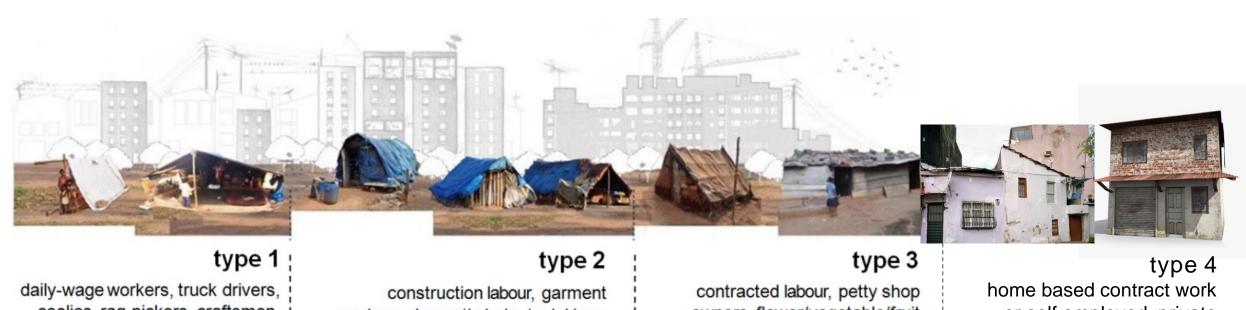
Due to increasing temperatures, estimated globally, 103 billion hours were lost in year 2000 which increased to 302 billion work hours lost in 2019.

# Climate Change is the biggest inequality factor



Due to increasing temperatures, estimated globally, 103 billion hours were lost in year 2000 which increased to 302 billion work hours lost in 2019.

# **Urban Community Typologies**



coolies, rag-pickers, craftsmen, domestic help 2000 - 5000 INR

EVICTION (1yr)

STABILITY (>10yrs)

workers, domestic help, taxi drivers

EVICTION (1yr)

5000 - 8000 INR STABILITY (>10yrs)

owners, flower/vegetable/fruit vendors, industry/workshop

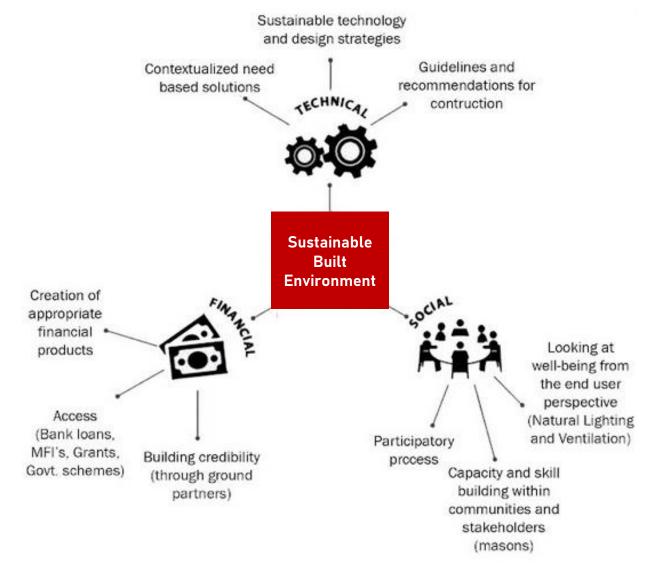
8000 - 15,000 INR

EVICTION (1yr) STABILITY (>10yrs) or self employed, private jobs, auto-taxi drivers

8000 - 15,000 INR

EVICTION (1yr)

# The Holistic Design Approach





Belgaum, Karnataka





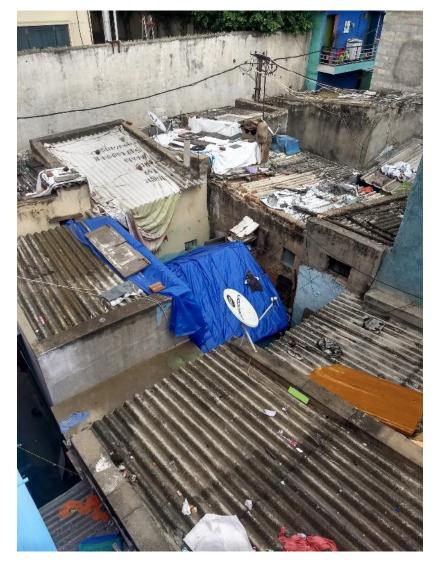
Belgaum, Karnataka | Mahesh Foundation

Climate Change, Energy and Urban Resilience | SELCO Foundation

### 2 Disaster and Access to Resilience



### 2 Disaster and Access to Resilience

















### 3 Bridge School and Conducive Learning









Climate Change, Energy and Urban Resilience | SELCO Foundation

### 3 Bridge School and Conducive Learning







### **4 Informal Worker Housing**







### **4 Informal Worker Housing**





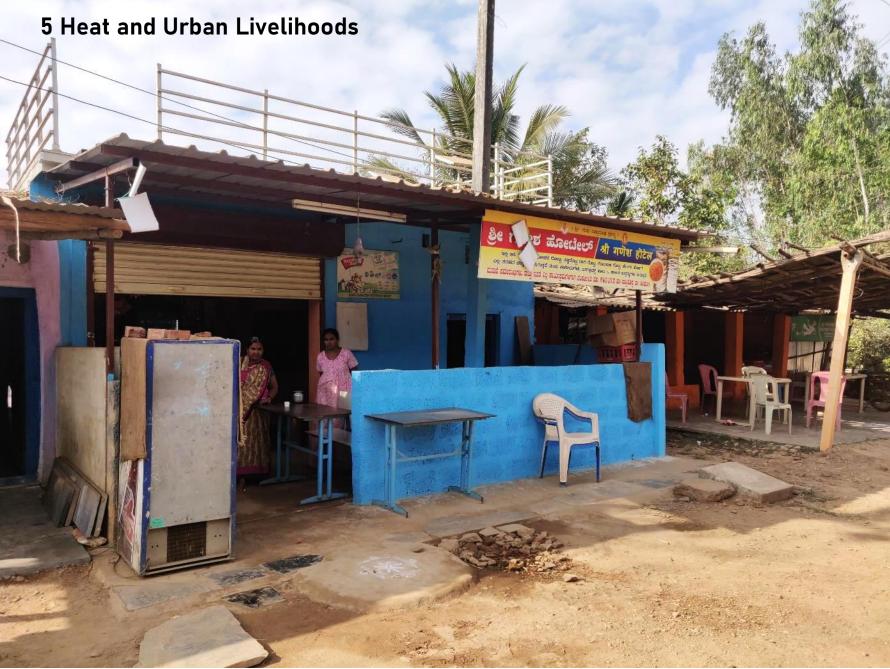




### 5 Heat and Urban Livelihoods









### 5 Heat and Urban Livelihoods







### **6 Cyclones and Urban Livelihoods**

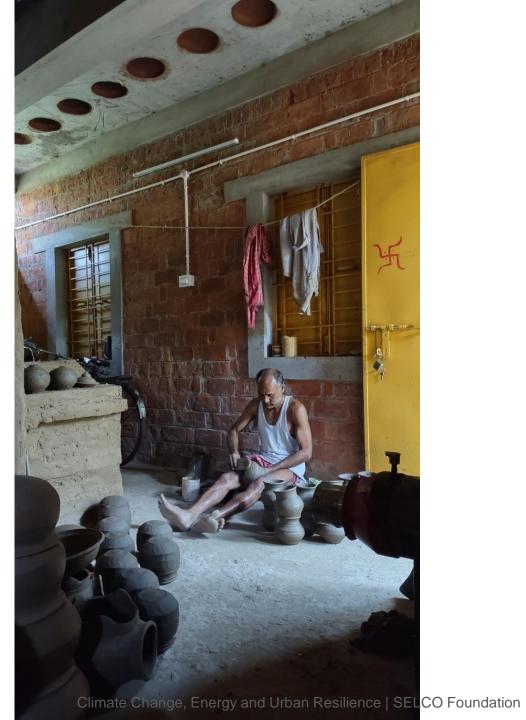




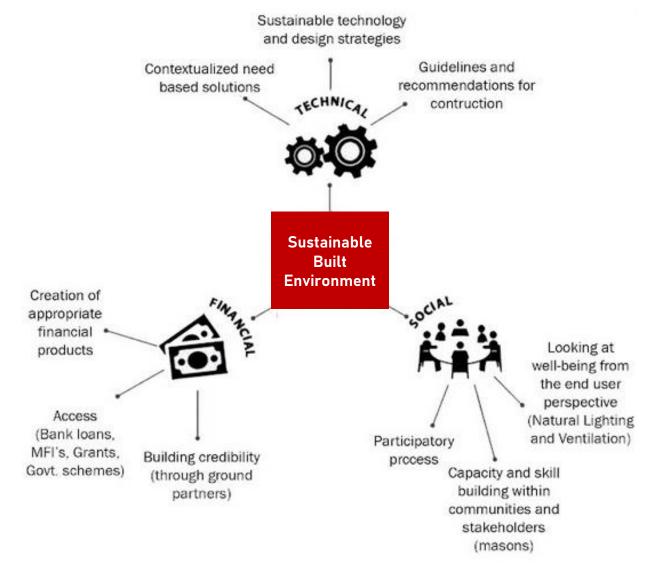
### 6 Cyclones and Urban Livelihoods







# The Holistic Design Approach



## Thank you!





For Opportunities of Internships, Fellowships, Employment and Collaborations

Write to be@selcofoundation.org