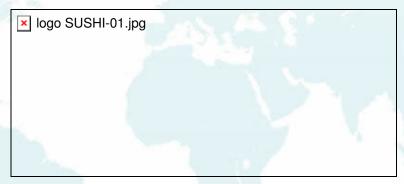






# United Nations Environment Programme Sustainable Social Housing Initiative



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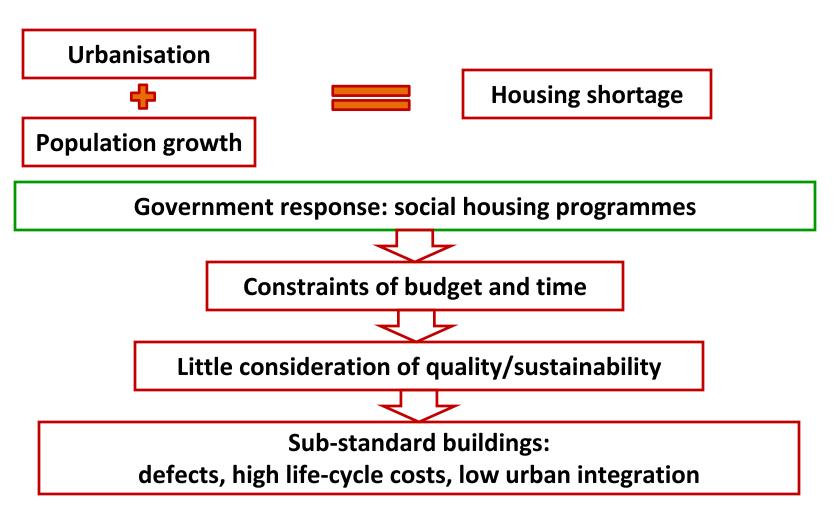




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# **Rationale and Objectives**

<u>Aim:</u> Promote sustainability in social housing projects, ensuring that social housing programmes include design criteria and construction practices that support sustainable building principles.



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### **SUSHI Activities**

São Paulo (Brazil) and Bangkok (Thailand)

#### **Assessment of context:**

- ✓ Climate,
- ✓ Cultural habits,
- √ Needs of stakeholders,
- √ Availability of market solutions,
- ✓ Policies/ Incentives,
- √ Technical capacity,
- ✓ Awareness of benefits.

#### **Development of targeted actions:**

- ✓ Consultation Workshop,
- ✓ Training programmes,
- ✓ Database of technologies,
- ✓ Analysis of lessons learned from previous initiatives;
- ✓ Site-specific guidelines;
- ✓ Educational video.

Policy makers (City; State; National)

Housing developers (public and private)

**Financial institutions** 

**Designers, Architects, Construction Companies** 

**Inhabitants** 









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# Generic guidelines

Making the case for sustainability in social housing

**Definitions, glossary of terms** 



Step 1: Mapping & Assessment of context

Step 2 : Selection of appropriate solutions

Step 3: Implementation

Step 4: Evaluation and Dissemination









# **Guidelines map**

National/ regional

Step 1: Context Assessment

Project

**Defining priorities**: climate zone, existing policies, financing opportunities, available technologies, awareness of stakeholders

**Your project agenda:** timeline, budget, location, construction phase, surveying user needs and capacity to operate alternative solutions

### Step 2: Selection

Make the case for your project: relate your selected technologies with the national/regional priorities and seek appropriate financing

**Costs and benefits of alternative solutions:** 

Identify the initial and maintenance costs, involve users to select easy-to-maintain technologies

### Step 3: Implementation

**Training and capacity building**: provide training to the technical team of the project (designers, architects, engineers, construction companies)

Implementation and awareness raising:

Integrate the selected solutions in the site selected, involving current/ future inhabitants

### Step 4: Evaluation

**Evaluate results and impact**: field measurement of reduced resource use and presentation of results to decision-makers and financiers

Receive feedback and improve the approach:

Survey inhabitants for their feedback and improve the approach for further replication.

### **Results and Lessons Learned**

- Training and awareness-raising are crucial for building capacity and making the case for sustainability;
- Translate the impacts into a language understood by stakeholders;
- Consider cultural and emotional factors;
- Stakeholder involvement and communication: from authority to final user (inhabitant);
- Consider buildings in their urban environment;
- Need for concrete implementation and monitoring including cost-benefit analysis.



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# **Next steps**

- ✓ Continued collaboration at national level (Thailand, Brazil)
- ✓ Interest in other countries:
  - ✓ Mexico
  - ✓ Uruguay
  - ✓ China
  - ✓ India
- ✓ Link with other projects:
  - ✓ UNEP-SBCI (Sustainable Buildings & Climate Initiative)
  - **✓ UNEP Urban Programme**
  - ✓ UN-Habitat
- ✓ Second Phase in India and Bangladesh:
  - ✓ Greater focus on urban environment;
  - ✓ Poverty alleviation/ Slum Upgrading;
  - ✓ Respond to local context.









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### **SUSHI II and more information:**

Contact UNEP DTIE
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Thank you for your attention