The Context of the Tool Development

- The Construction Country Assessment Tool (CCAT) is being developed as part of a partnership between UNEP, UN-Habitat and UNOPS

- The tool is being piloted in **Sri Lanka** and **Burkina Faso**
The Scope of the CCAT tool

Sustainable Materials for the Housing and Building Sector
Sustainable Materials in the Housing and Building Sector in Practice

1- Promote sustainable practices
   - land right
   - gender equity
   - community cohesion and inclusion
   - technique and material heritage
   - health and safety
   - affordability
   - economic employment

2- Minimize negative environmental impacts
   - air, land, and water pollution
   - land degradation
   - ecosystem and biodiversity depletion

3- Avoid and reduce the use of materials
   - nature-based infrastructure
   - climate-smart design
   - long life span
   - compact urbanization

4- Use of low embodied carbon materials
   - renewable resources
   - low carbon transportation: locally produced and energy-efficient transportation
   - energy-efficient extraction, manufacturing, construction and demolition

5- Favor the reuse and recycling of materials
   - modular design
   - reusable materials
   - recyclable materials
   - recycled materials
   - avoid material waste
   - end-of-life strategy
Objective of the CCAT Tool

Analyse the context and assess the enabling environment to create the country roadmap for resource-efficient buildings and construction.
The CCAT Tool Highlights

1. Use a Google sheet interface
2. A step-by-step approach
3. Look at the entire building lifecycle
4. Analyse the enabling environment
5. A question-based tools
A Step-by-step approach

1. The Context Analysis
   - Identify trends and issues

2. The Enabling Environment Assessment
   - Identify challenges and opportunities

3. The Roadmap Creation
   - Identify solutions and way-forwards
A Step-by-step approach

Set Up
- General Guidance
- Document Checklist
- Stakeholders Mapping
- Interview Guidance
- Gov. Processes Mapping

Desk Review
- Descriptive Analysis
- Exploratory & Causal Analysis
- Reporting
- Validation & Recommendation
- Roadmap
- Implementation

Stakeholders Analysis
- Questions (1 tab per phase)
- Diagrams
- Report Structure
- Best Practices

Interviews

Government Structure Analysis

Key:
- Assessment Phase
- Corresponding tool tab
The Tool Follow the Building Lifecycle
The Enabling Environment Assessment

- Explore **7 enabling domains**:

  - Institutional Arrangements
  - Financial Management and Funding
  - Processes
  - Knowledge and Technical Resources
  - Policies, Laws, and Regulations
  - Data Management, monitoring and reporting
  - Stakeholders Engagement
A Question-based Tool

- Around 30 questions per phase
- 2 types of questions: “Status” and “Effectiveness” questions
Automatically Generated Diagrams

Example: Spatial Planning Phase
To Summarize

The Construction Country Assessment Tool:

- **Comprehensive**: Looks at the entire buildings and housing lifecycle and seven enabling domains

- **Context Specific**: Supports the creation of a robust roadmap thanks to the assessment of the enabling environment

- **Collaborative**: Helps crowd-source stakeholders’ experiences and knowledge for a more accurate assessment
Institutional Arrangements

Processes

Policies, Laws, and Regulations

Stakeholders Engagement

Financial Management and Funding

Knowledge and Technical Resources

Data Management, monitoring and reporting
Tool walk-through
Questions & Answers