Open Cities

World Bank Group

Scaling up Open Data for Disaster & Climate Resilience





Overview

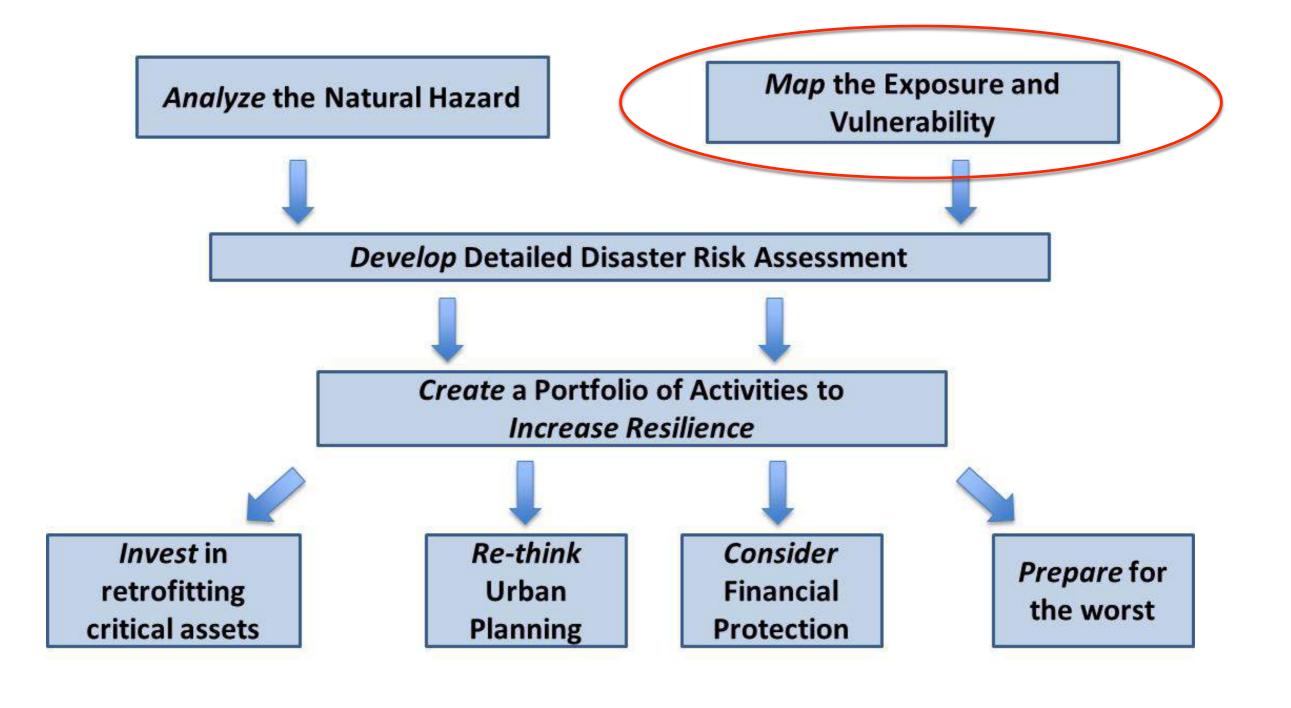
- Open Cities is a platform to collect building characteristics in order to identify opportunities for investment
- Exposure collection combined with hazard analysis provides risk assessment

Building level precision required to visualize impact of risk reduction investments for decision makers





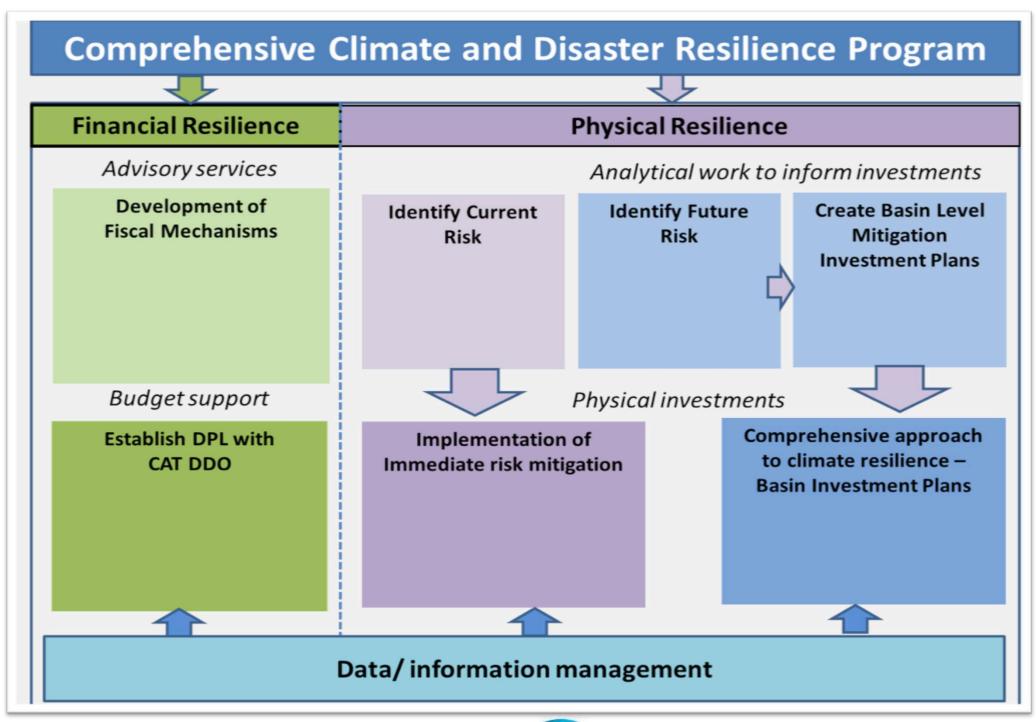
Overview







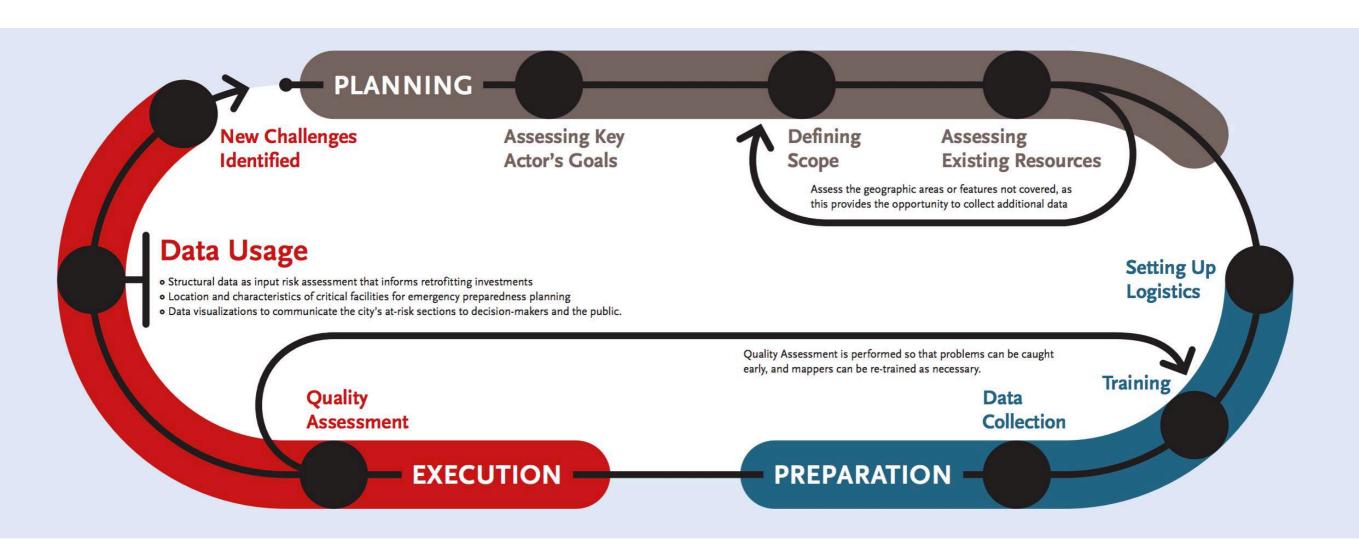
Open Cities Sri Lanka Case







Open Cities Manual – Cycle







• Planning - Key Actor's Goal





Planning – Scope



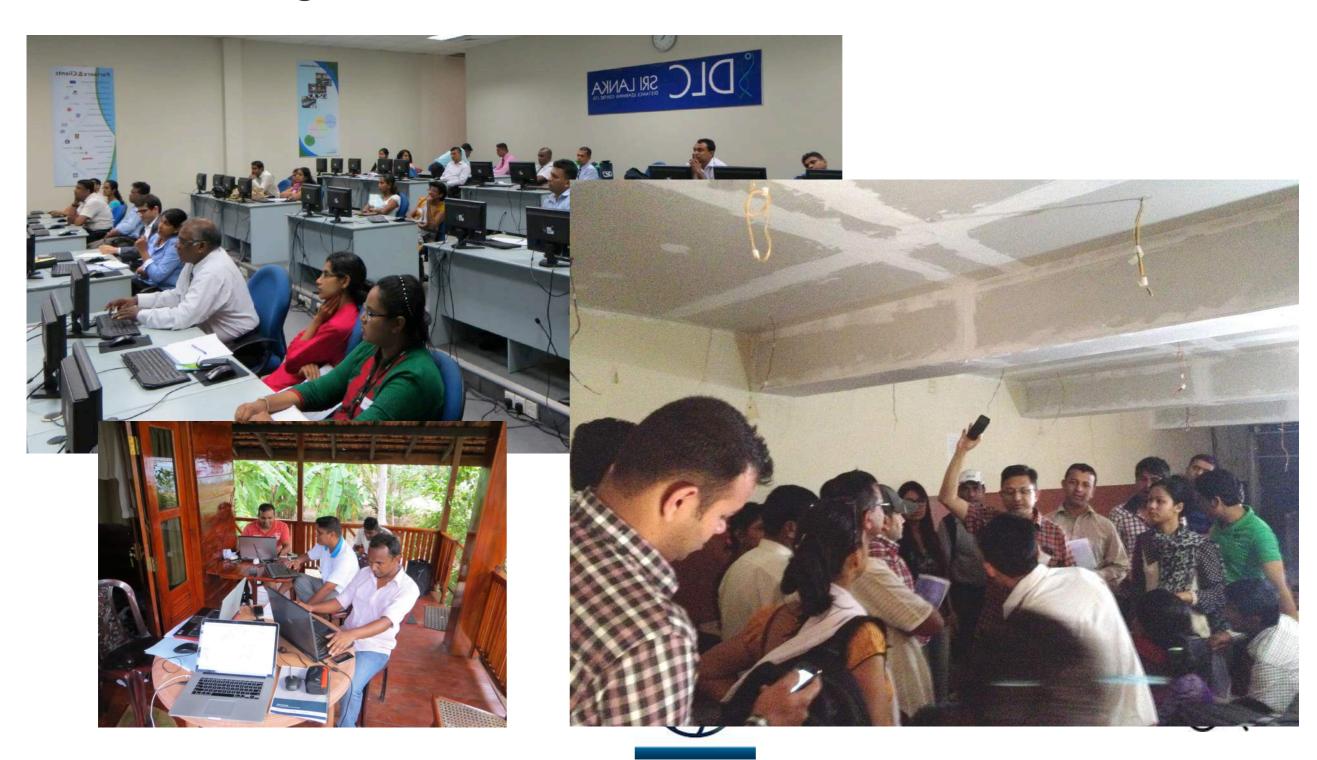


Planning





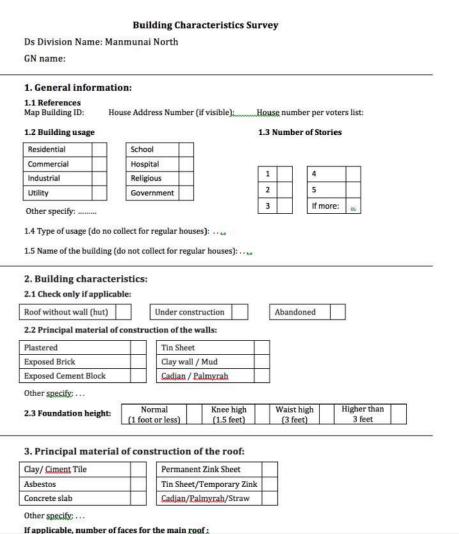
Training



Execution









Execution

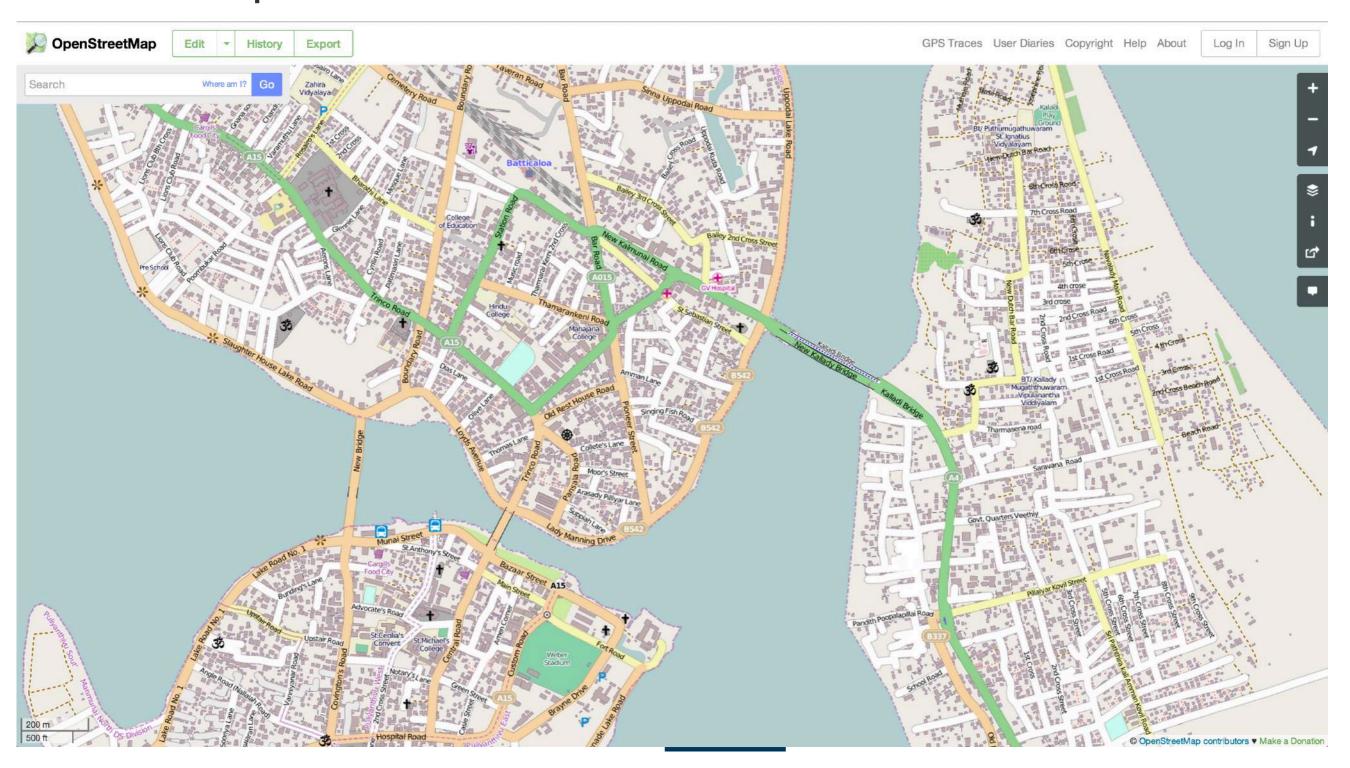






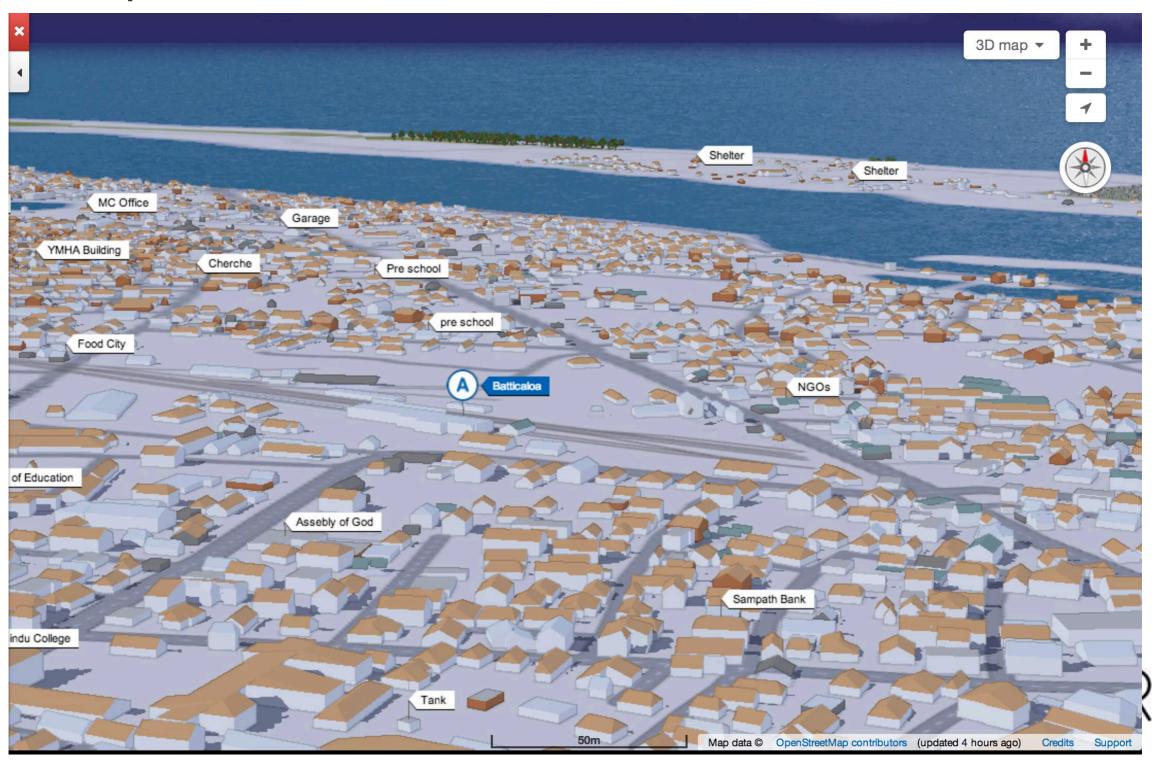


Output

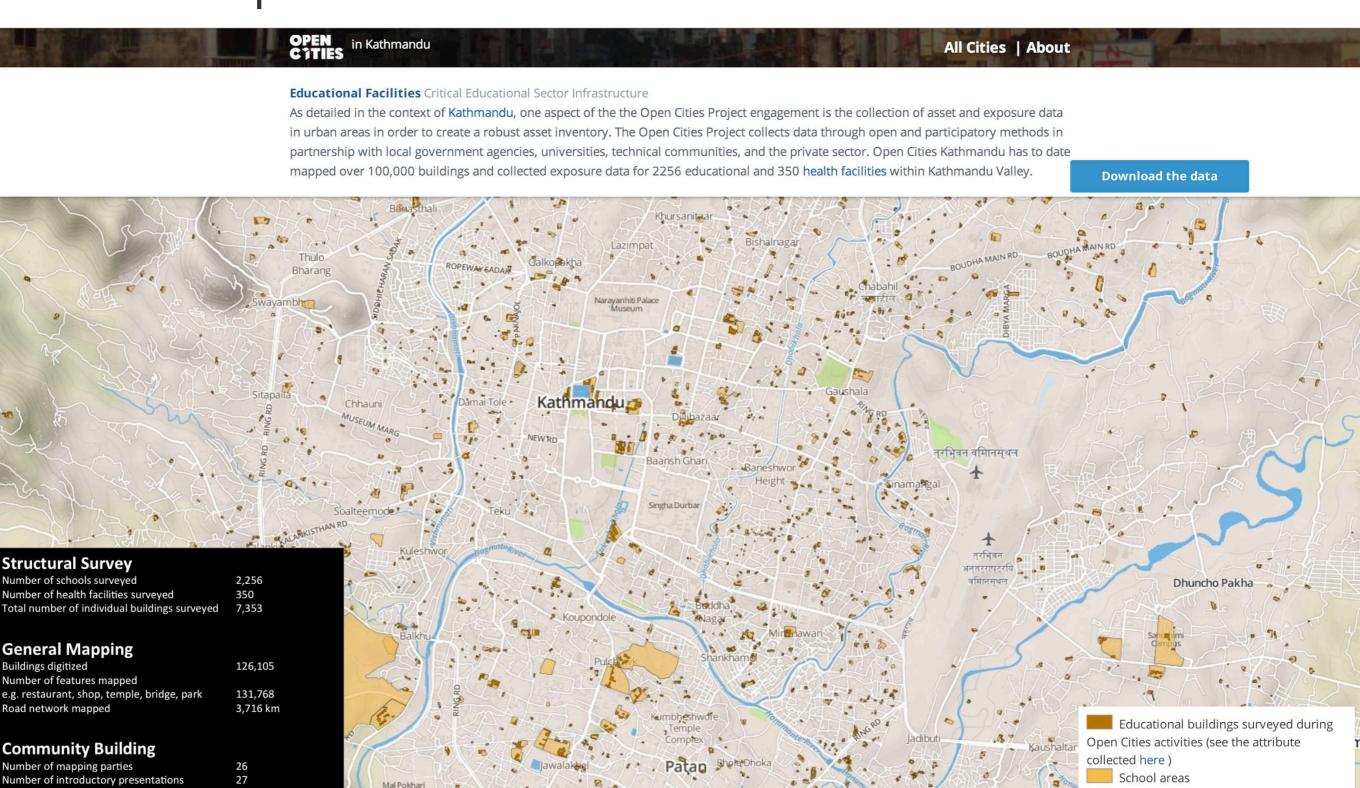


Open Cities Sri Lanka Case

Output



Output

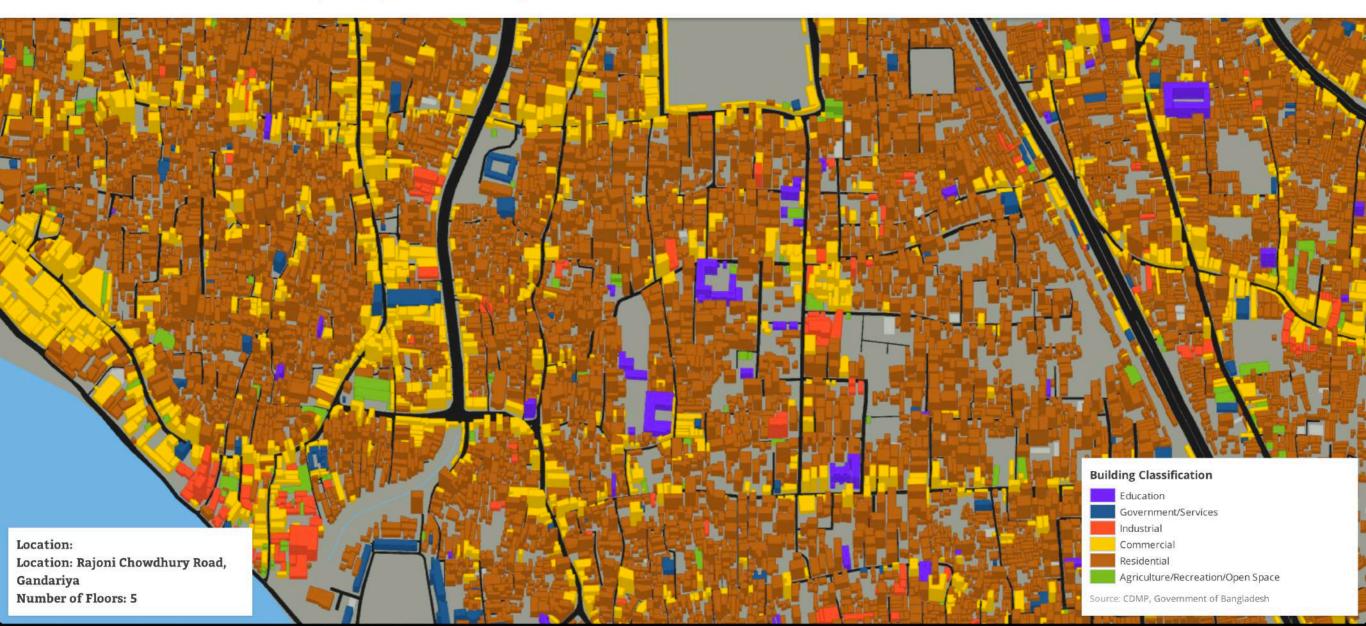


Output

OPEN in Dhaka
C1TIES All Cities | About

Building Use 3D Dhaka buildings showing primary building use

The 3D model of the city of Dhaka allows planners to visualize the location of various buildings based on their primary use: education, government/services, industrial, commercial, residential, or agricultural / open space. Such building data can assist in the design of new zoning regulations, the allocation of open space, the construction of industrial parks, and new capital improvement projects in locations that promote equitable economic development.



Case Comparison

Kathmandu Model

- Volunteers and civil society host mapping parties, reach out to universities and build momentum
- In six months, over 2,500 schools, 300 health centers and 200 public buildings
- Mapping activities continue and community still growing after project conclusion

Sri Lanka Model

- Government trains their junior staff to collect exposure and building attributes
- In 2 months, over 30,000 buildings mapped with strong government ownership
- Mapping activities ceased at the end of the project
- Enabled data sharing platform t hrough Ministry of ICT





Open Cities Manual – Detailed ToC

A Recipe guide for non-technical managers

- Introduction
- Project Design and Preparation
 - Key Partnerships
 - Defining Scope of Work
 - Building the Core Team
 - Assessing Existing Mapping Resources





Open Cities Manual – Detailed ToC

A Recipe guide for non-technical managers

- Getting Started
- Implementation Supervision
 - Collecting the Data
 - Common Challenges
 - Quality Control
 - Reporting
- Lessons Learned





Open Cities Manual – Detailed ToC

A Recipe guide for non-technical managers

- Appendices
 - Data Model Design
 - Sample Survey Form
 - Sample Project Report
 - Sample ToRs
 - Case Study: Kathmandu
 - Case Study: Sri Lanka
 - Case Study: Jakarta
 - Case Study: Haiti



