

STRAM

Spatial Technology for
Revenue and Asset Management

Useful for

REAL-TIME TRACKING OF ASSETS

ENHANCING REVENUE

ENHANCING EFFICIENCY

PROMOTING ACCOUNTABILITY

Key Features

- ✓ Android App
- ✓ Web Based Access
- ✓ Online Monitoring
- ✓ Geo-Tagging
- ✓ Analytics
- ☐ Recommendations
- ✓ Reports
- ✓ Performance Measurements
- ✓ Self-Assessment



The Asia Foundation



Australian Government

Department of Foreign Affairs and Trade

Spatial Technology for Revenue and Asset Management

What is STRAM?

Spatial information technology has been used in multiple ways ranging from disaster management to tracking revenue generation. By using Geographical Information Systems (GIS), innovative applications can be developed to enhance efficiency of municipal services. The STRAM system is a computerised program coupled with the power of mobile technology that can be used to improve the performance of LAs.

Why do we need STRAM?

The Spatial Technology for Revenue and Asset Management (STRAM) system is a unique tool to enhance the efficiency of LAs in three major areas:

1 Decision making on improving the collection of revenue from mandatory sources, especially on outstanding arrears.

2 Following up on routine maintenance work of services such as roads.

3 Record keeping and creating an inventory of key infrastructure in the LA areas including key service centres and LA assets.

What are the key components of the STRAM system?

The design of the STRAM system consists of three components:

A data capturing mobile application which is developed as an Android-based application that runs in Tablet phones.

A web-based survey management module to manage the survey process to ensure the quality of data capturing at the survey or enumeration.

A web-based dashboard to view the analysis of captured data and generates reports for dissemination purposes.

What data is to be collected and how often?

At present, the STRAM system can be used to gather data under the following by any trained data collector using Tablet phones:

- Road Information
- Properties and Property Tax
- Development Works
- Service Centres
- Advertisement Boards
- Maintenance and Urgent Needs

How does the STRAM system work?

The innovative design of the STRAM system replaces the time consuming methods of collecting data on physical infrastructure, data entry and analysis with specific technical skills. For example, the length of a road can be captured using the Tablet rather than measuring manually.

Once the enumerators have gathered data, the built-in and pre-defined analytics display the results in the dashboard section of the website. The dashboard presents the results in a spatial dimension, which is useful to improve decision-making in LAs. Some of these potentially useful spatial results are outlined in the following graphic:



Who are the users of the STRAM system?

The results of the STRAM system can be utilized at different levels – Local Authority, Provincial and National – as the tool has the ability to upgrade to the Provincial and National level by adding different LAs together. Therefore, the results of the STRAM system can be used at all three levels, in specific ways:

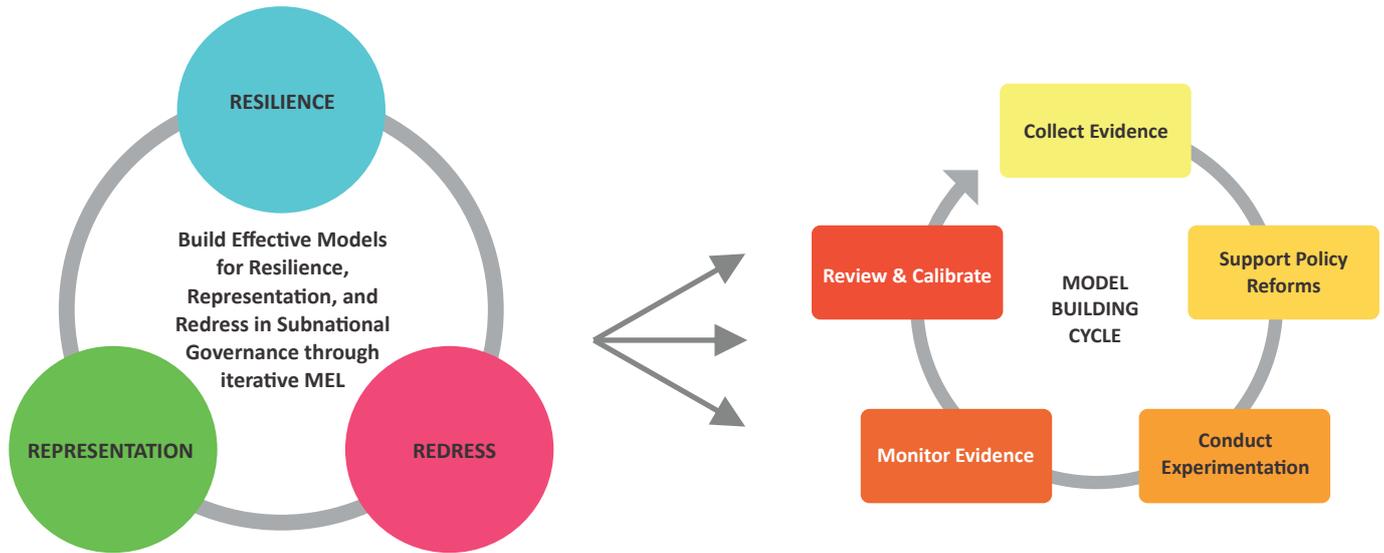
National Level	Provincial Level	LA Level
<ul style="list-style-type: none"> To support decision making when identifying priorities for investments on roads To identify LAs which are efficient in revenue collection and service delivery To develop performance based criteria for infrastructure investment 	<ul style="list-style-type: none"> To identify LAs which are efficient in revenue collection and service delivery To identify strategic areas for infrastructure investment in the Province using Provincial resources 	<ul style="list-style-type: none"> Following up with the responses of complaints received on infrastructure services To avoid duplication of investments made on infrastructure To prioritize actions on revenue collection

Critical information to be collected under the following categories and purposes are listed below:

Category	Data	Purpose
Road Information	Road Structure Details Service Details Accessibility Details Road Maintenance	Identify prominent roads and prioritization for maintenance purposes
Properties and Property Tax	Properties Details Owner Details Collection of Taxes for Private Houses, Commercial, Institutional Lands	To identify sources of tax collection
Development Works	Location Type of Work Status - Completed, On-going, Delayed	Tracking and recording spatial locations and other details of projects implemented by the respective local authorities
Service Centres	Hospitals Religious Places Parks Schools Other Public-related Institutions Physical Immovable Assets of LA	To identify the roads in relation to accessing service centres
Advertisement Boards	Size Location Price Current Use	To regulate the use of advertisements

About SNGP

The Asia Foundation's Sri Lanka Subnational Governance Program (SNGP) will be implemented in nine local authorities conceptualized as Dynamic Economic Centres (DECs) to build economic resilience in secondary cities that are emerging centres of economic growth and dynamism. The overarching goal of the program is to improve subnational governance in Sri Lanka through effective institutionalization of tested models for financial resilience, citizen inclusion and representation, and redress to problems. SNGP will operate through a cycle of model building as depicted below:



The Asia Foundation

The Asia Foundation is a non-profit international development organization committed to improving lives across a dynamic and developing Asia. Headquartered in San Francisco, The Asia Foundation works through a network of offices in 18 countries in Asia and in Washington, DC. In Sri Lanka, the Foundation's programs seek to improve the policy and regulatory environment for broad-based economic growth and development; to advance local democracy and access to justice; to help communities and individuals recover from trauma and violence; and to promote citizens' participation in the decisions that affect their communities.

Department of Foreign Affairs and Trade, Australia

Australia has a strong interest in ensuring Sri Lanka continues its development as a secure, stable and prosperous partner in the Indian Ocean region, underpinned by an effective post-conflict reconciliation process. The Australian Government is providing an estimated \$29.1 million in bilateral funding managed by its development assistance arm, DFAT. The Australian aid program in Sri Lanka focuses on three objectives: (a) Expand economic opportunities for the poor; (b) Support government to be more responsive to the needs of the citizens and private sector; and (c) Increased gender equality.

1. Budget Management Tool (BMT)
2. Electronic Citizen Report Card (eCRC)
3. Revenue Assessment and Compliance Audit (RACA)
4. **Spatial Technology for Revenue and Asset Management (STRAM)**
5. Electronic Infrastructure Assessment Tool (eIAT)
6. Electronic Regulatory Service Assessment Tool (eRSAT)
7. Electronic Disability and Vulnerability Assessment Tool (eDVAT)
8. Electronic Grievance Management Rool (eGMT)

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