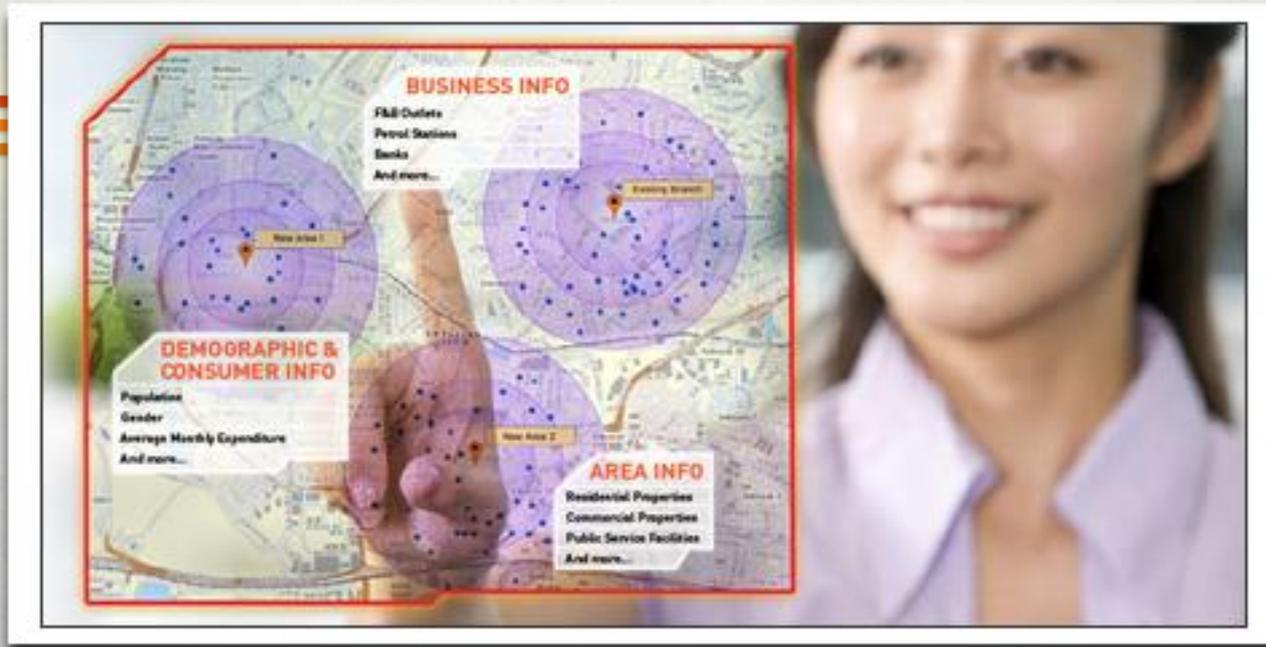




Promoting Location Based Data Sharing in Malaysia



Introduction

Location Based Data Sharing

- Sharing of location based data between private or government sectors for business or public interest purposes.



Data Sharing within TM

#1: Sales Planning : Campaign Management

How many people in this area?

What is their income level?

What is their spending pattern like?

Where are my competitors?



Data Sharing

GIS
System



Network
System



Provisioning
System



Campaign
Management



Smartmap

View Exchange Location and its boundary

Layers

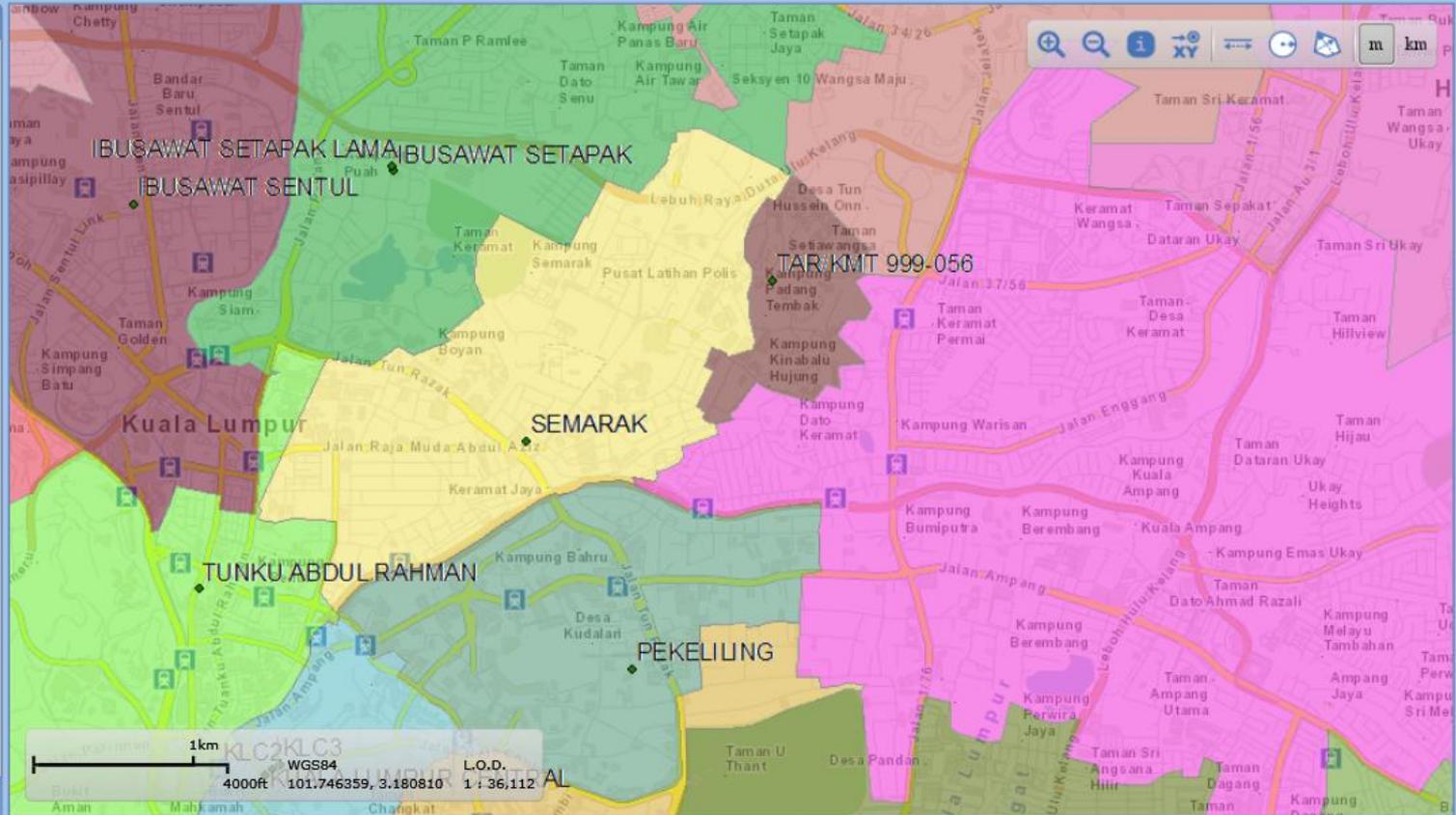
- KV_COP_EXCHANGE_poi
- exczonew
- TMPoinReseller
- KVEXCBND
- kv_consumer_CVS
- TMTAD

Permission: Read & Write
Ownership: Own



Layers Tables Tools Project/Asse

Messages Edit Attributes



KL C2 KL C3
WGS84
4000ft 101.746359, 3.180810
L.O.D.
1:36,112

View Customer's Subscription

The screenshot displays the TM SmartMap interface. On the left, a 'Layers' panel lists several data layers, with 'TM Streamyx Customer' and 'TM Unifi Customer' checked. Below the layers, a permissions box indicates 'Permission: Read & Write' and 'Ownership: Own'. A toolbar with various map navigation and analysis tools is also visible. The main map area shows a residential street grid with a blue location pin. An 'Identify' window is open, displaying the following information:

Location: 101.741292, 3.119878

- TM Streamyx Customer
- TM Unifi Customer
 - Tan Thian Keat

Below the list is a table with the following data:

Column	Value
Jenis Langganan	VIP 20
Nama Pelanggan	Tan Thian Keat
OBJECTID	6
Tarikh Langganan	10/30/2011

At the bottom of the map, there is a scale bar (0 to 200ft), coordinate information (WGS84: 101.740883, 3.118203), and a scale of 1:2,257. The top right corner of the interface shows a welcome message for 'faizah@smartmap.my' and links for 'Feedback', 'Preferences', and 'Log Out'.

Calculate number of properties automatically

The screenshot displays the TM SmartMap web application interface. The main map area shows a residential area in Ampang with a context menu open over a specific location. The context menu includes options like 'Query POIs...', 'Count POIs...', 'Query properties...', 'Count properties...', 'Query property valuations...', 'Query roads...', 'Query businesses...', 'Count businesses...', 'Query Yellow Pages...', 'Count Yellow Pages...', 'Query user layer...', 'Count user layer...', and 'Delete'. The 'Count properties...' option is highlighted.

On the right side, the 'Results' panel shows the 'Count Properties' window. It displays the location 'Ampang' with coordinates '101.740923, 3.119818'. Below the location are buttons for 'Expand All', 'Collapse All', 'Save...', and 'Export...'. A table below shows the results of the property count query:

Category	Count
Residential (landed); Detached	0
Residential (landed); Kampung, Residential (landed); Linked (S	68
Residential (landed); Low-cost	0
Residential (landed); Semi Det	0

The row for 'Residential (landed); Linked (S' is circled in red. The bottom of the interface shows a taskbar with various application icons and the system clock displaying '2:55 PM'.

View Current Customer (Streamyx)

The screenshot displays the TM SmartMap web application interface. The main map area shows a residential area with streets like 'Jalan Perdana 1/2' and 'Jalan Perdana 1/4'. A 'Count Own Layer' dialog box is open, with 'TM Streamyx Customer' selected in the 'Select Layer' list. A location popup for 'Ampang' is visible, showing coordinates '101.740948, 3.119819' and a list of query options. The 'Results' panel on the right shows a 'Count' of 8, which is circled in red. The interface includes a 'Layers' panel on the left, a toolbar at the top, and a navigation bar at the bottom.

TM SmartMap™

Welcome, faizah@smartmap.my [Feedback](#) [Preferences](#) [Log](#)

Layers

- TM Streamyx Customer
- TM Unifi Customer
- KV_COP_EXCHANGE...
- exczonenew
- TMPointReseller
- KVEXCBND

Permission: Read & Write
Ownership: Own

Count Own Layer

Select Layer

- TM Streamyx Customer
- TM Unifi Customer
- KV_COP_EXCHANGE_point
- exczonenew
- TMPointReseller
- KVEXCBND

Criteria

OK Cancel

Ampang

101.740948, 3.119819

- Query POIs...
- Count POIs...
- Query properties...
- Count properties...
- Query property valuations...
- Query roads...
- Query businesses...
- Count businesses...
- Query Yellow Pages...
- Count Yellow Pages...
- Query user layer...
- Count user layer...

Results

Count Own Layer x

Location: Ampang
101.740948, 3.119819

Expand All Collapse All Save...

Export...

Count

8

Layers Tables Tools Project/Asse

Messages Edit Attributes

Legends & Keym Text Searc Spatial Search & To Resu

View Current Customer (Unifi)

The screenshot displays the TM SmartMap interface. The main map shows a residential area in Ampang with street names like 'Jalan Perdana 1/1' through '1/6'. A 'Count Own Layer' dialog box is open, with 'TM Unifi Customer' selected and circled in red. A context menu for the selected location 'Ampang' (101.740948, 3.119819) is also visible, listing various query and count options. On the right, the 'Results' panel shows the location details and a 'Count' table with the value '6' circled in red. The interface includes a 'Layers' panel on the left, a toolbar with navigation and analysis tools, and a bottom menu with options like 'Layers', 'Tables', 'Tools', 'Project/Asse', 'Messages', and 'Edit Attributes'.

TM SmartMap™

Welcome, faizah@smartmap.my [Feedback](#) [Preferences](#) [Log Out](#)

Layers

- TM Streamyx Customer
- TM Unifi Customer
- KV_COP_EXCHA
- exczonenew
- TMPointReseller
- KVEXCBND

Count Own Layer

Select Layer

- TM Streamyx Customer
- TM Unifi Customer**
- KV_COP_EXCHANGE_point
- exczonenew
- TMPointReseller
- KVEXCBND

Criteria

OK Cancel

Ampang

101.740948, 3.119819

- Query POIs...
- Count POIs...
- Query properties...
- Count properties...
- Query property valuations...
- Query roads...
- Query businesses...
- Count businesses...
- Query Yellow Pages...
- Count Yellow Pages...
- Query user layer...
- Count user layer...
- Delete

Results

Count Own Layer x

Location: Ampang
101.740948, 3.119819

Expand All Collapse All Save...

Export...

Count

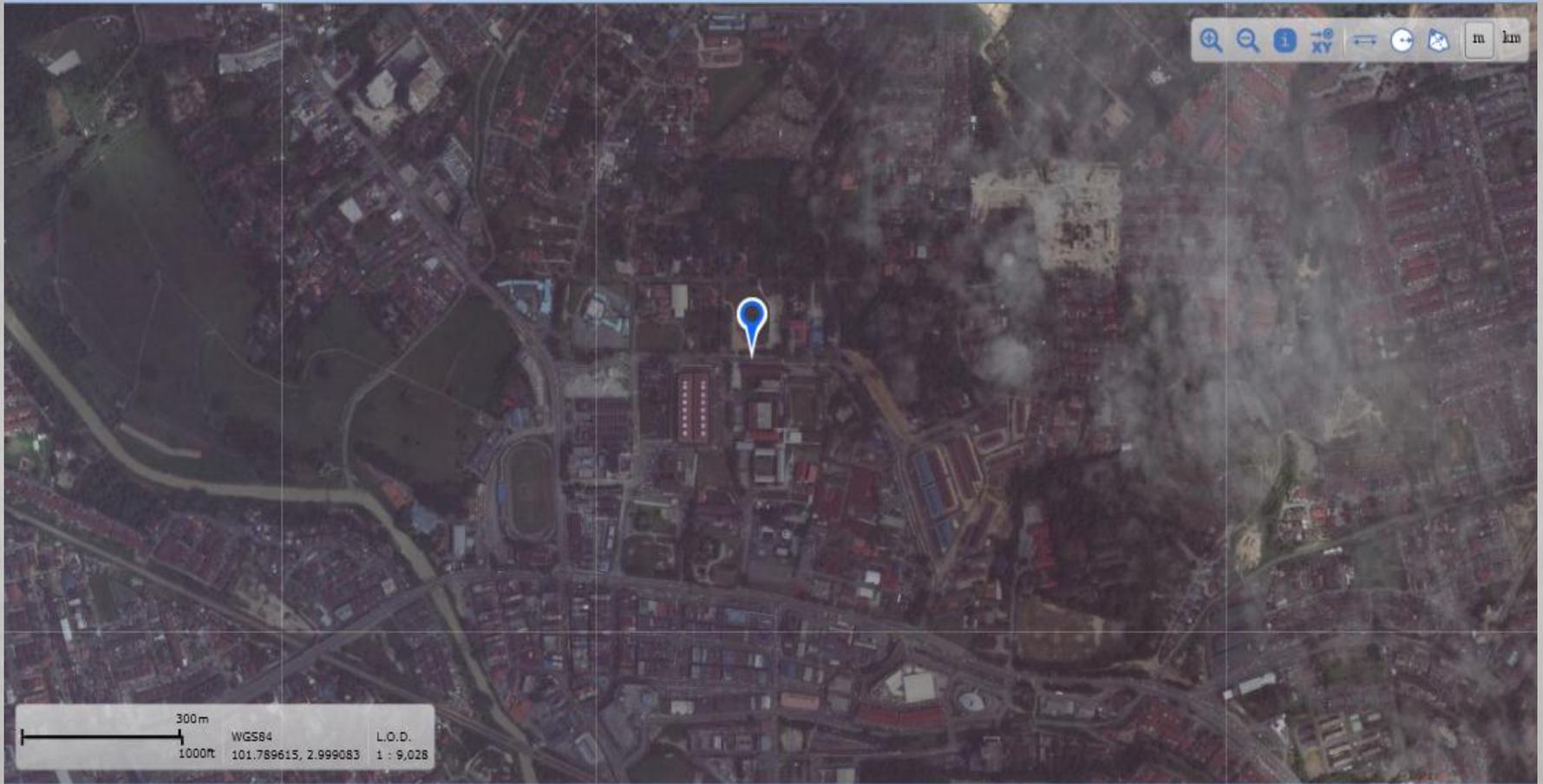
6

Legends & Keym Text Search Spatial Search & To Result

View Untapped Market



View what is really on the ground



Benefits

Better Data Integrity

- Comparison of data with similar information.
- Able to identify data with less integrity

Reduce Cost & Effort

- Single effort of data collection and creation for multiple use.
- Save cost due to reduction of duplicate effort.

Faster Result

- Time required to prepare the data is minimal.
- Data can be used much faster.

Better Result

- More input parameters for analysis
- More parameters in analysis will increase the accuracy.

Challenges

No Framework

- Data owners not willing to share their data
- No Framework to encourage data sharing between Government and Private

Financial Value

- Cost to collect or acquire and create the data is spend by data owner.

Sensitive Information - PDPA

- Part of data may contains private information.

National Security

- Contains security area such as military or police installation

Overcome Challenges

No Framework

- To establish government data sharing to public framework such as Open Data.

Financial Value

- Spread the cost to the users for private sector data owner

Sensitive Information - PDPA

- Part of data may contains private information.

National Security

- To remove the data with national security concern such as military area.

Open Data Framework

“Open data is data that can be freely used, reused and redistributed by anyone – subject only, at most, to the requirement to attribute and sharealike.”



Geodata

The data that is used to make maps - from the location of roads and building to topography and boundaries

Open Data Overview

Open data mostly adopted by many countries around the world . It estimated around 40 countries adopted it.

Adopted by countries ranging from developed nation such as United States to developing countries such as India.



Argentina



Australia



Austria



Belgium



Brazil



Canada



Netherlands



France



India



Italy



Moldova



Morocco



New Zealand



Norway



Portugal



UK



USA



Russia

Open Data – United States



DATA TOPICS - APPLICATIONS DEVELOPERS CONTACT

The home of the U.S. Government's open data

Here you will find data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and more.

GET STARTED

SEARCH OVER 85,000 DATASETS

Federal Student Loan Program Data



BROWSE TOPICS



Agriculture



Consumer



Education



Energy



Finance



Geospatial



Global
Development



Health



Jobs & Skills



Public Safety



Science &
Research



Weather

Location Data Sharing

MORE TOPICS



HIGHLIGHTS

Law

EPA Consent Decrees

[View this Dataset](#)

What are the latest actions by the Environmental Protection Agency (EPA) to enforce environmental laws like the Clean Air Act and the Clean Water Act? The EPA Consent Decree dataset provides updated information on EPA enforcement actions to stop violations of

Source : <http://data.gov/>

Open Data – India

The screenshot shows the data.gov.in website interface. At the top, there is a navigation bar with the logo 'data.gov in' and 'Open Government Data Platform India'. Below the navigation bar, there is a search bar with the text 'Search within 6,338 resources in 2,812 catalogs'. The main content area features a 'Visualization of the Day' section with a map of India showing the number of accidents due to overloading/overcrowding during 2006-12. The map is color-coded by state, with a legend indicating categories: Below 1000 (light blue), 1000 - 5000 (medium blue), 5001 - 10000 (orange), Above 10000 (red), and Data N/A (grey). Below the map, there is a summary of website statistics: '6,338 RESOURCES IN 2,812 CATALOGS, 154 VISUALIZATIONS BY 64 DEPARTMENTS ARE 1.14 M TIMES VIEWED, 391,641 TIMES DOWNLOADED BY 39,189 REGISTERED USERS AND 4.56 M VISITORS'. On the right side, there is a 'TRENDS' section with various data categories like 'Agricultural Marketing', 'Market Rates', 'Minor Irrigation Census', 'Market Prices', and 'Commodity Prices'. At the bottom, there is a 'Catalog' section with a list of data resources. The first item, 'Web Map Service (WMS) From Survey Of India OSM Data And Bhuvan For Andhra Pradesh', is circled in red. A blue arrow points from a text box on the left to this circled item.

14th March 2014

VISUALIZATION OF THE DAY

Number of Accidents due to Overloading/Overcrowding during 2006-12

2006 2012

Below 1000
1000 - 5000
5001 - 10000
Above 10000
Data N/A

6,338 RESOURCES IN 2,812 CATALOGS, 154 VISUALIZATIONS BY 64 DEPARTMENTS ARE 1.14 M TIMES VIEWED, 391,641 TIMES DOWNLOADED BY 39,189 REGISTERED USERS AND 4.56 M VISITORS

Catalog Communities

- Web Map Service (WMS) From Survey Of India OSM Data And Bhuvan For Andhra Pradesh
- Integrated Action Plan - IAP/LWE
- Issuance Of VISA To Various Foreign Nationals Against Various Categories Of VISAs
- State Level Consumer Price Index (Rural/Urban)
- Manpower At Sub-Centres And Primary Health Centres
- Index Of Eight Core Industries (Base Year 2004-05)
- District-Wise Availability Of Health Centres In India

TRENDS

- Agricultural Marketing
- Rajya Sabha Market Rates
- Minor Irrigation Census
- Market Prices
- Commodity Prices

More

Location Data Sharing through Web Map Service

Source : <http://data.gov.in/>

Financial Value

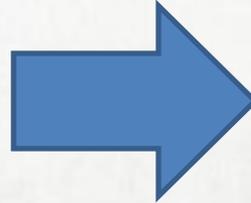


Location Data

Collection

Creation

Maintenance



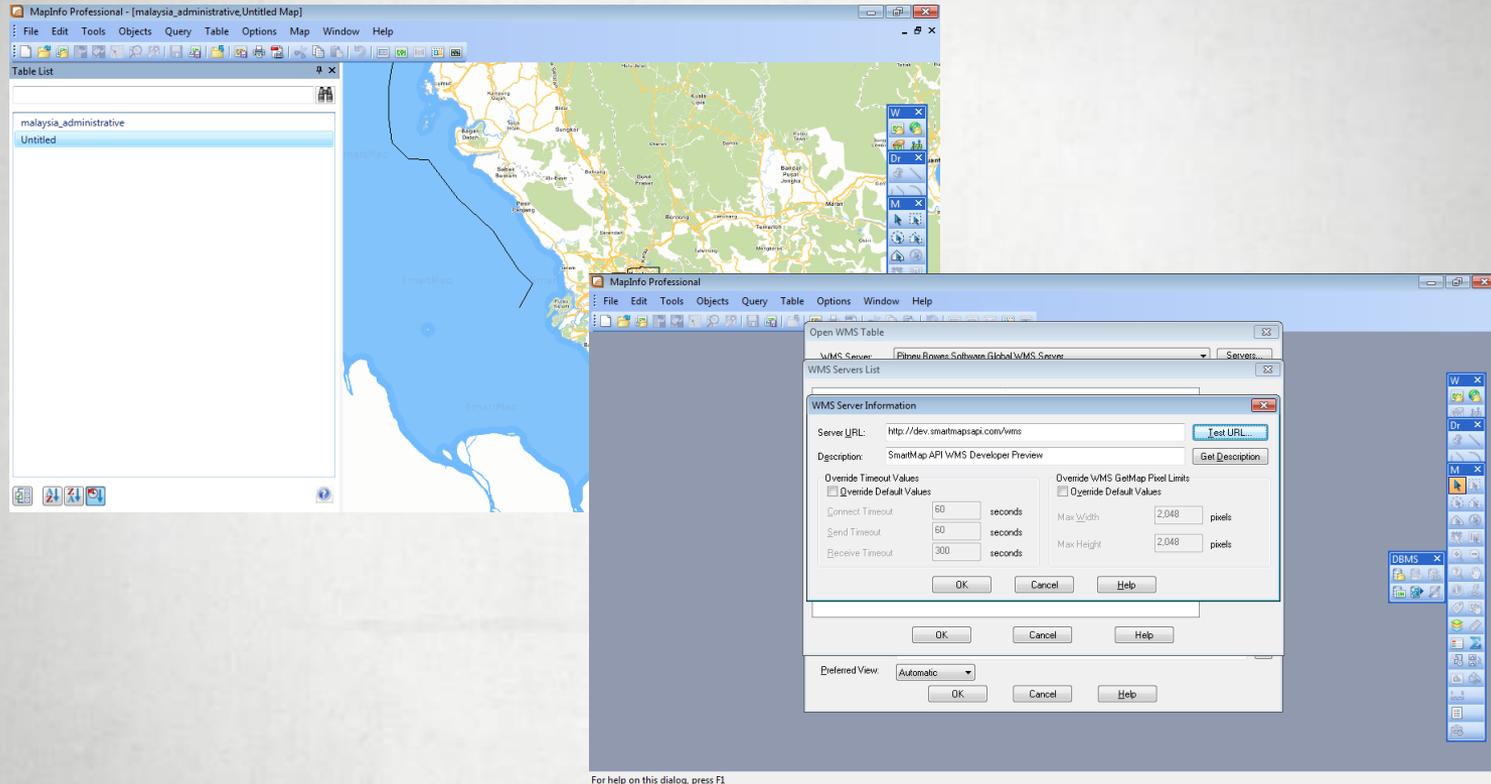
High Cost



Cost Sharing ?



TM SmartMap API



Provide data as service at minimal fee based on usage

Conclusion

Open Data - Government

- Open Data policy is being adopted by many countries in sharing data inclusive of location data.

Sell as Service – Private Sector

- Private sector shall encourage the usage of location data either by providing it as service by doing it on own or collaborate with partners.



*Thank
you!*

JUST TRY.