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WHERE

WHEN

9 – 11 APRIL 2018

ADELAIDE, AUSTRALIA

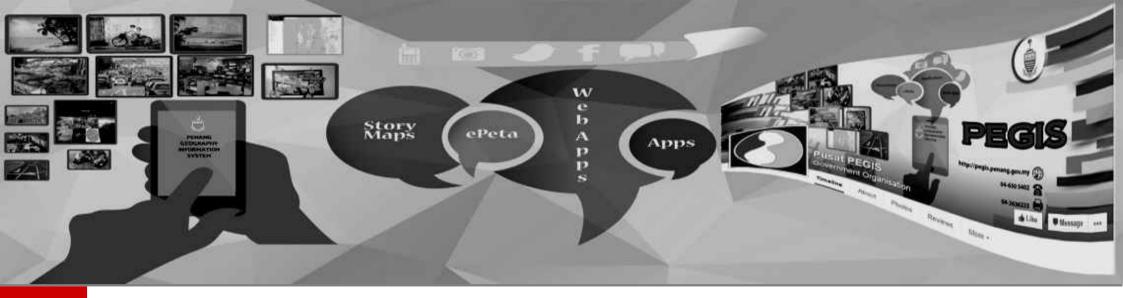
CLICK HERE TO KNOW MORE

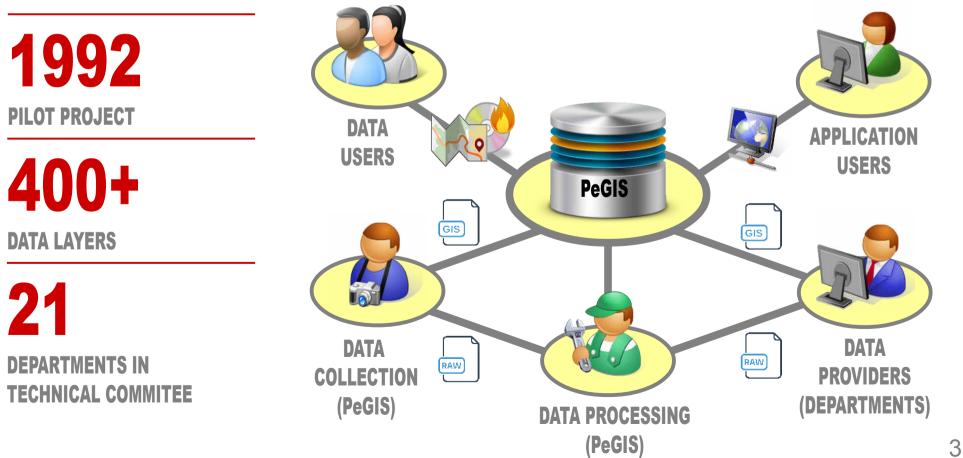


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PENANG GIS BACKGROUND	APPLICATION : STORY MAPS
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APPLICATION : ePETA	MOBILE APPS
3	6
APPLICATION : WEB MAPS	ISSUES & CHALLENGES





Penang GIS



COMMITMENT FROM TOP MANAGEMENT	 UNDERSTAND THE VALUE OF DATA BUDGET FOR DEVELOPING DATA MANAGEMENT 'BUY-IN' IS A MUST
2 A GIS UNIT AND DEDICATED STAFF	 A NEED TO HAVE AN EXPERT TEAM TO ASSIST DEPARTMENT TRAIN NON TRANSFERABLE OFFICER IN GIS
3 MENTOR AND MANTEE APPROACH	 TECHNICAL ASSITANCE TO DEPARTMENT ASSIST DEPARTMENTS TO COLLECT DATA ADOPTED DEPARTMENT CONCEPT



5 DEPARTMENTS WITH GIS APPLICATIONS

PENANG GIS (PeGIS)

epeta

JPBD

jpbd geoportal

MBPP

geoportal perancangan pembangunan

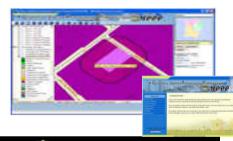
MPSP mpsp gis

GTWHI





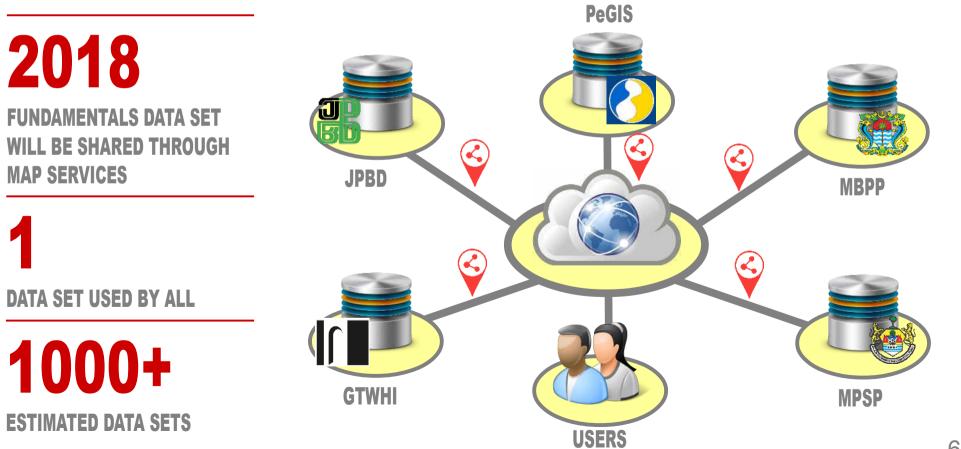


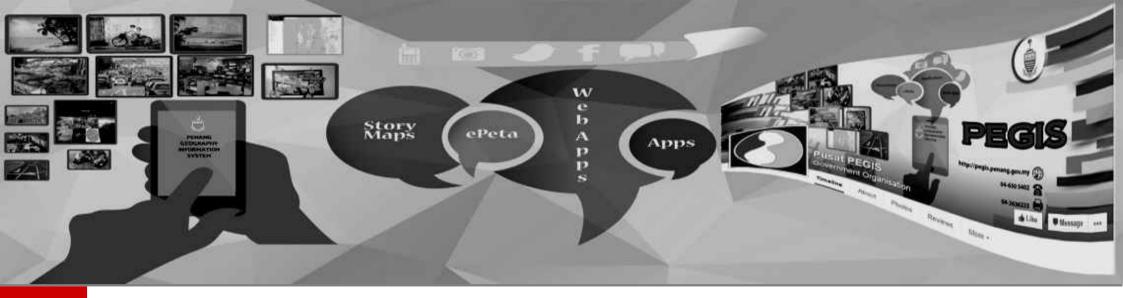












PeGIS Applications

2

ePETA

7

WEB APPS

8

STORY MAPS

ePETA : TECHNICAL ePETA : PUBLIC VIEW

LOT TRACKER • LOT FINDER • LOCAL PERSPECTIVE • WHAT'S UP PENANG • TREE INVENTORY • TASKA • GET CONNECTED

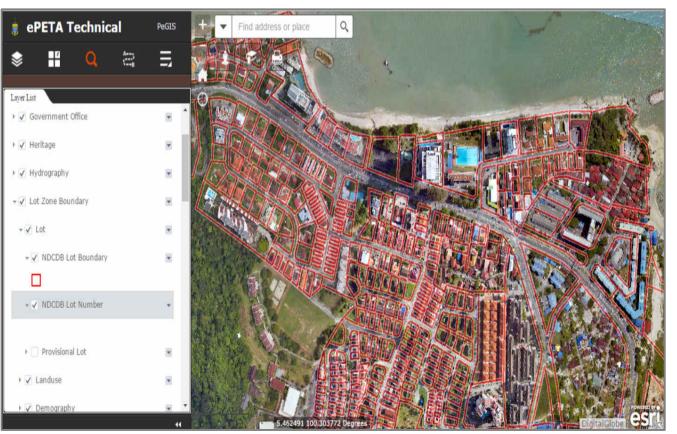
A WALK THROUGH HISTORY • BEACHES & WATERFRONTS • PENANG STREET ART • GEORGE TOWN WORLD HERITAGE TRAILS • MUSEUM & ART GALLERY • HERITAGE TRADERS • GEORGE TOWN HERITAGE CAFE • BICYCLE TRAILS IN BALIK PULAU







MORE THAN 200 LAYERS OF INFORMATION INCLUDING TECHNICAL DATA SUCH AS CADASTRAL LOTS, CONTOURS ETC. SEARCH AND INCIDENT ANALYSIS FUNCTION ARE ALSO PROVIDED.





790 TOTAL USERS

570

TECHNICAL

220 PUBLIC REGISTERED 34

DEPARTMENT

54+

DATA LAYERS

±200

DATA LAYERS



24,548 ACCESS IN 2013

55,737

ACCESS IN 2014

ePETA Usage

56,754 ACCESS IN 2015 **20,284** JAN-SEP 2016

74

2016 DAILY AVERAGE

2254

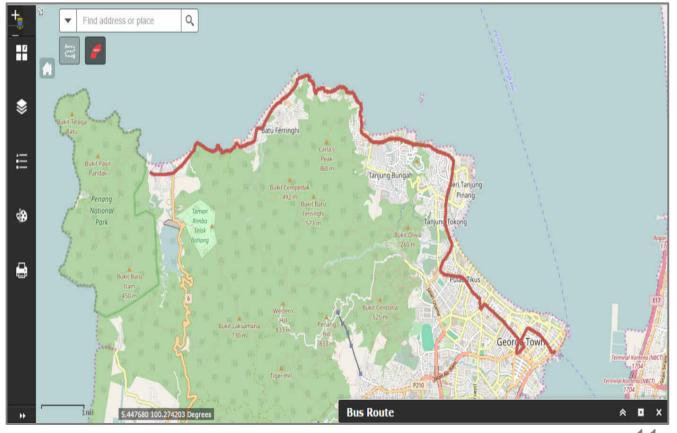
2016 MONTHLY AVERAGE







ePETA PUBLIC VIEW : THERE ARE 54 LAYERS OF INFORMATION TO CHOOSE AND VIEW FROM. USERS ARE ALSO PROVIDED APPLICATION TO SEARCH RAPIDPG BUS ROUTES







Lot Tracker

KNOW THE INFORMATION OF LAND PARCELS NEAR TO YOU. GET THE INFORMATION THROUGH YOUR MOBILE DEVICES AT THE GROUND.

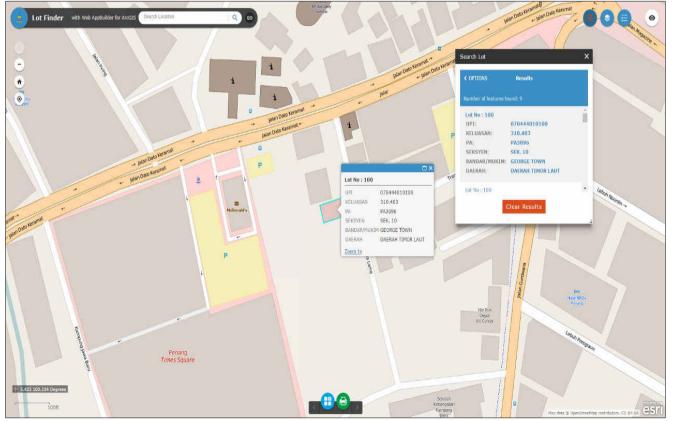






Lot Finder

GET THE LOCATION AND INFORMATION OF A LOT WHEREVER YOU ARE. ACCESSIBLE FROM YOUR MOBILE DEVICES.

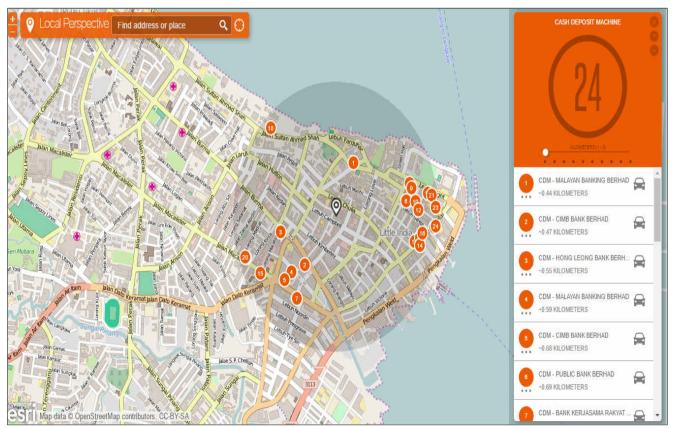






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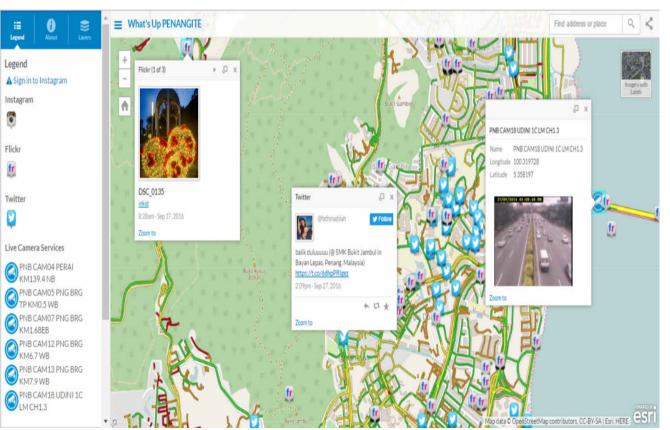
FIND THE NEAREST PUBLIC FACILITIES AROUND YOU. HOSPITAL, SCHOOLS, COLLEGE, PETROL STATION, BANKING FACILITIES, POST OFFICE, CONVENIENCE STORE & WEATHER.







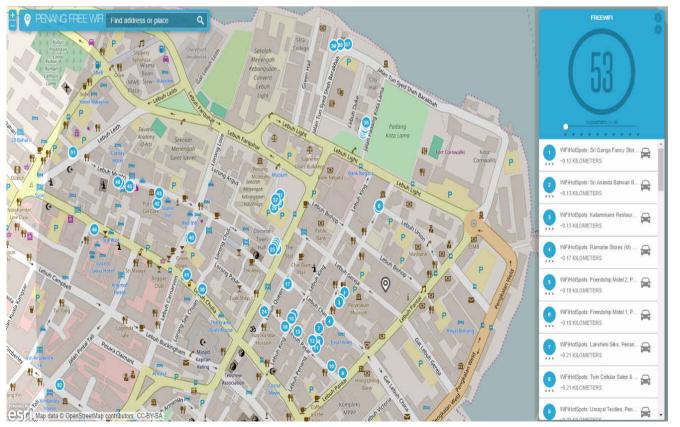
INTERESTED IN ANY ISSUES? SEE WHAT AND WHERE PENANGITES ARE TALKING ABOUT IT ON TWITTER, INSTAGRAM, YOUTUBE & FLICKR. ALSO GET A VIEW OF THE TRAFFIC CONDITION THROUGH TRAFFIC CCTVS.







USED UP YOUR DATA PLAN QOUTA? SIGN UP FOR PENANG FREE WIFI AND STAY CONNECTED. FIND OUT PENANG FREE WIFI ACCESS POINT AROUND YOU.

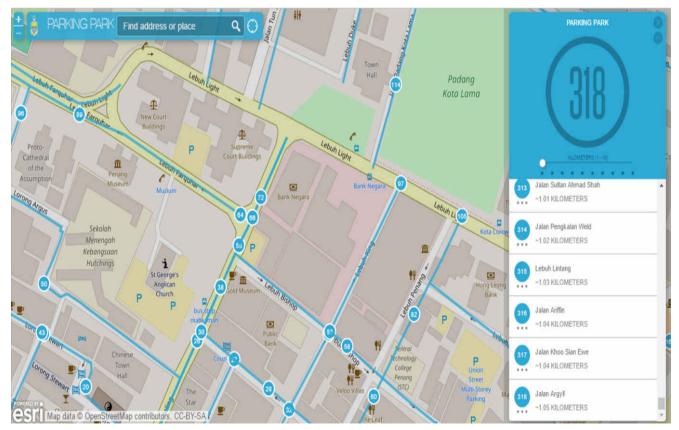






Parking

FIND OUT YOUR LOCATION ROAD SIDE PARKING RATE. IF YOU DON'T HAVE ANY PARKING TICKETS, GO TO THE NEAREST OUTLET THAT SELL IT, OR YOU CAN PARK AT THE NEAREST PRIVATE PARKING SPACE OR SHOPPING COMPLEX.









Dusky Leaf Monkey

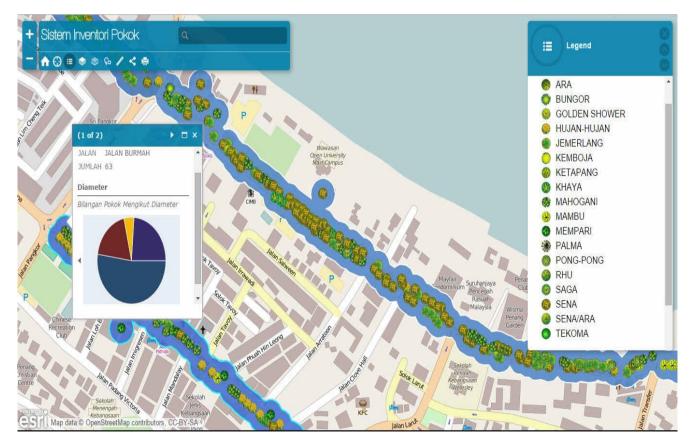
Recently (July 2016) spotted in the trees in a town area



3 DEPT COLLABORATION

PENANG CITY COUNCIL PENANG BOTANIC GARDEN FORESTRY DEPT

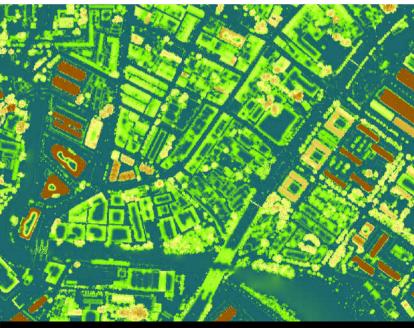
4,517 TREES MAPPED





OBJECTIVE : TO CREATE CORRIDORS OF TREE CANOPIES FROM THE HILLS TO GEORGE TOWN

USING LIDAR DATA, WE MAPPED OUT TREE CANOPY WHICH ARE > 5M HEIGHT

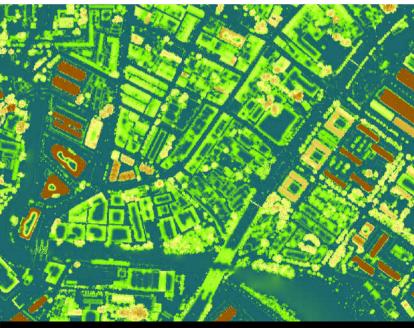


DIFERENCE BETWEEN DSM & DTM TO EXTRACT VEGETATION & BUILDING



OBJECTIVE : TO CREATE CORRIDORS OF TREE CANOPIES FROM THE HILLS TO GEORGE TOWN

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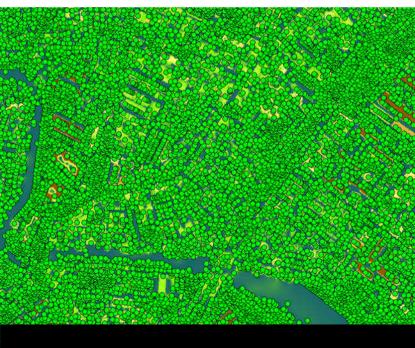


BUILDING FOOT PRINT WAS USED TO ISOLATE OBJECT ON SURFACE



OBJECTIVE : TO CREATE CORRIDORS OF TREE CANOPIES FROM THE HILLS TO GEORGE TOWN

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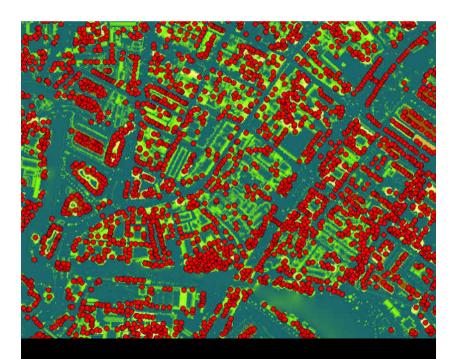


RESULTED DTM ARE CONVERTED TO POINT



OBJECTIVE : TO CREATE CORRIDORS OF TREE CANOPIES FROM THE HILLS TO GEORGE TOWN

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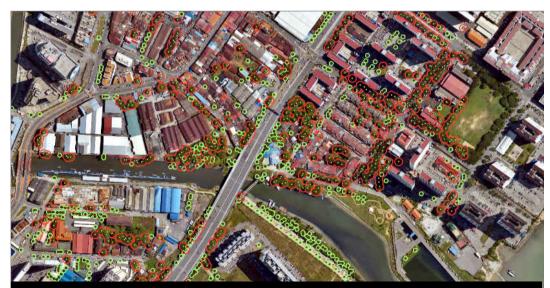


OBJECT HIGHER THAN 5m SELECTED



OBJECTIVE : TO CREATE CORRIDORS OF TREE CANOPIES FROM THE HILLS TO GEORGE TOWN

USING LIDAR DATA, WE MAPPED OUT TREE CANOPY WHICH ARE > 5M HEIGHT



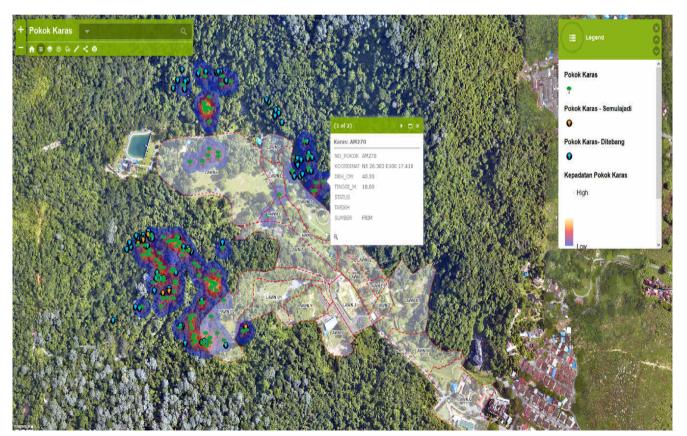
POINTS < 10m IN HEIGHT : 4m BUFFER POINTS ≥ 10m IN HEIGHT : 8M BUFFER







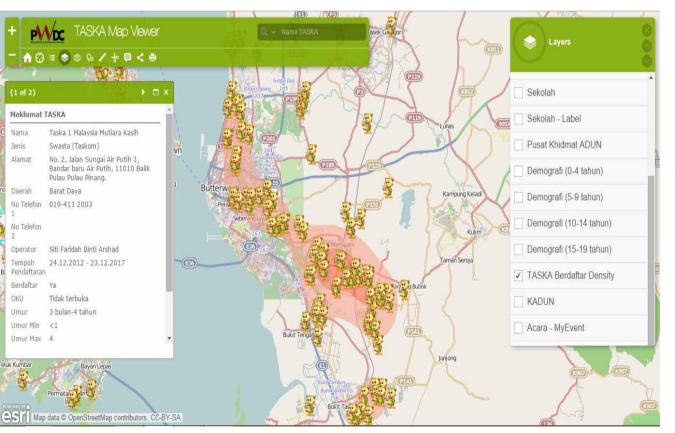
A SPECIAL PROJECT TO MAP AQUILARIA MALACCENSIS (KARAS). COLLABORATION WITH BOTANIC GARDEN, FRIM & FORESTRY DEPARTMENT. INFORMATION IS USED TO MONITOR AND PROTECT THE TREES.







MAPPING OF REGISTERED CHILD CARE CENTRE. COLLABORATION WITH PENANG WOMAN DEVELOPMENT CENTRE (PWDC) AND DEPARTMENT OF SOCIAL WELFARE.







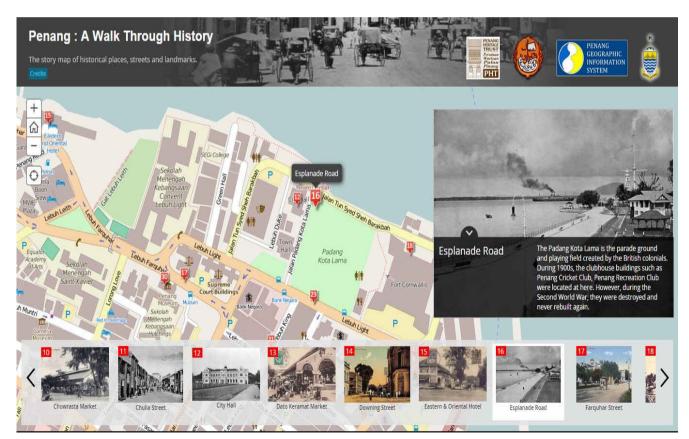
SINCE ITS INSCRIPTION HAS A WORLD HERITAGE SITE, GEORGE TOWN, PENANG, HAS DEVELOPED A VIBRANT STREET ART SCENE. THIS BEGAN WITH MARKING GEORGE TOWN IN 2009, WHICH BROUGHT THE TELLING OF STREET AND SOCIAL HISTORY THROUGH THE USE OF CARICATURES.







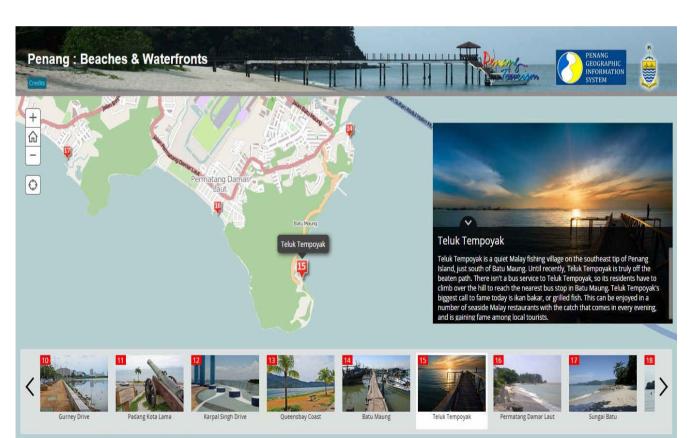
THE ISLAND OF PENANG WAS AN IMPORTANT TRADE ROUTE FOR EUROPE, THE MIDDLE EAST, INDIA AND CHINA IN THE DISTANT PAST. IT IS BECAUSE OF THIS THAT THE ISLAND HAS SUCH A DIVERSE MELTING POT OF CULTURES; TRAVELERS ALL BROUGHT THEIR OWN CULTURE TO PENANG.







PENANG BEACHES AND WATERFRONTS ARE PLENTIFUL AND HAILED AS SOME OF THE MOST BREATHTAKING IN THE COUNTRY, DRAWING A STEADY CROWD OF TOURISTS AND LOCALS





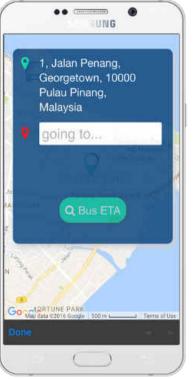


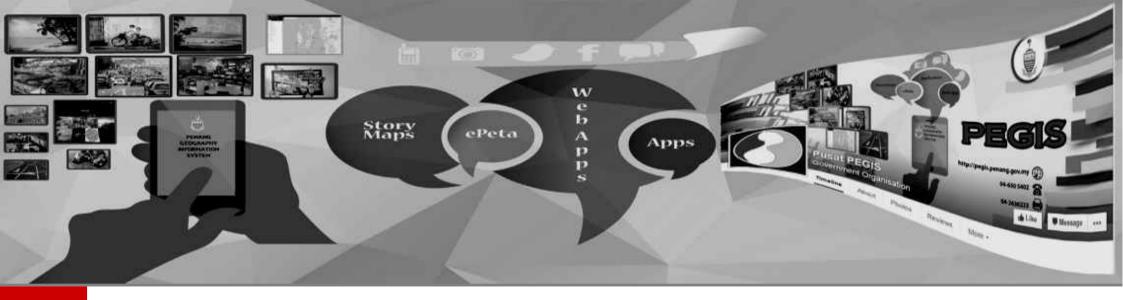
PITTS

PENANG INTELLIGENT TRAFFIC AND TRANSPORT SYSTEM (PITTS) IS A MOBILE APP SERVICE TO THE PUBLIC. IT WILL ASSIST RAPIDPG USERS TO PLAN THEIR JOURNEY.











PeGISApps

BETA VERSION : SOME OF THE APPLICATIONS ARE CONVERTED INTO MOBILE APPS.





WHAT DO PEOPLE WANT, NEED AND EXPECT FROM PUBLIC SERVICES?

3

LACK OF PROGRAMS TO PROMOTE E-GOVERNMENT BENEFITS AND ADVANTAGES.

2

TO INCREASE THE EFFECTIVENESS OF THE APPLICATION TO MEET USERS EXPECTATION.

4 DATA AVAILABILITY.



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