



OSM for Capacity Building to Strengthen Disaster Resilience

Mapping for Our Bahay

究心公益科技

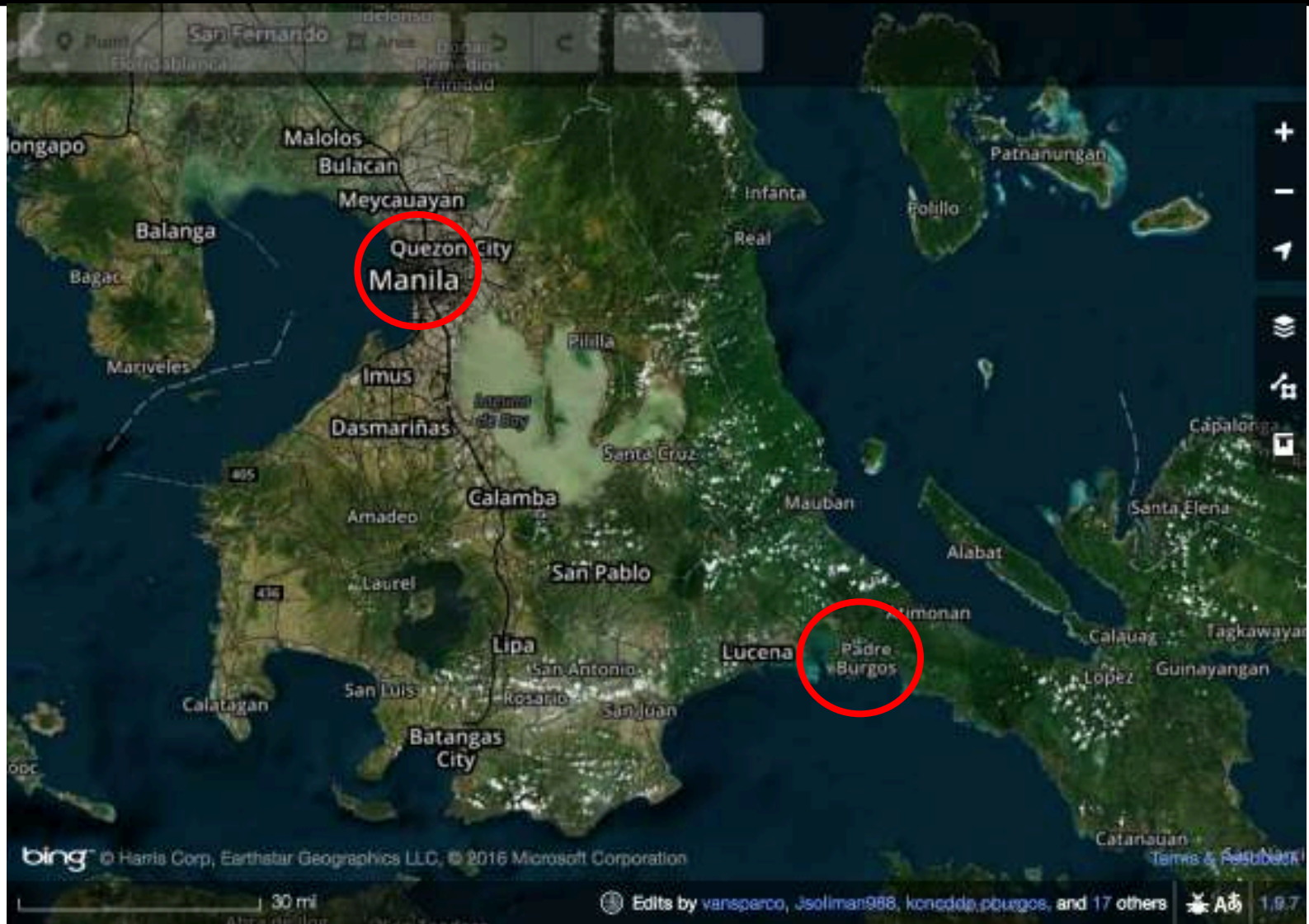
Kuo-Yu slayer Chuang
slayer@geothings.tw

Cooperation with ADB for Disaster Resilience



ADB Project 48333-001: Applying Space-Based Technology and Information and Communication Technology to Strengthen Disaster Resilience

Manila to Padre Burgos, over 6 hours



Yeah, Finally Arrived!



Padre Burgos, Downtown



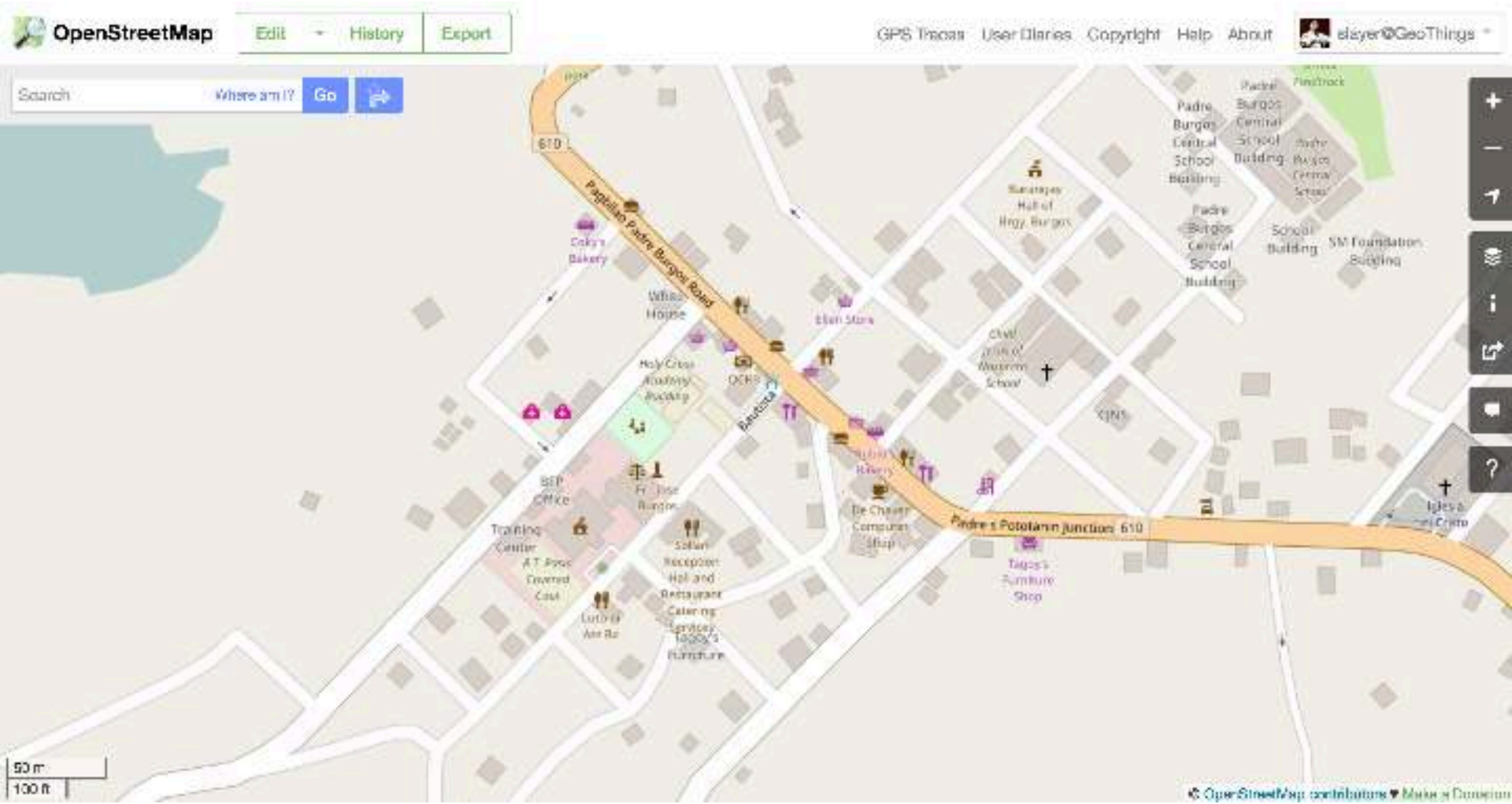
Municipality Hall of Padre Burgos



Engaged with Local Community



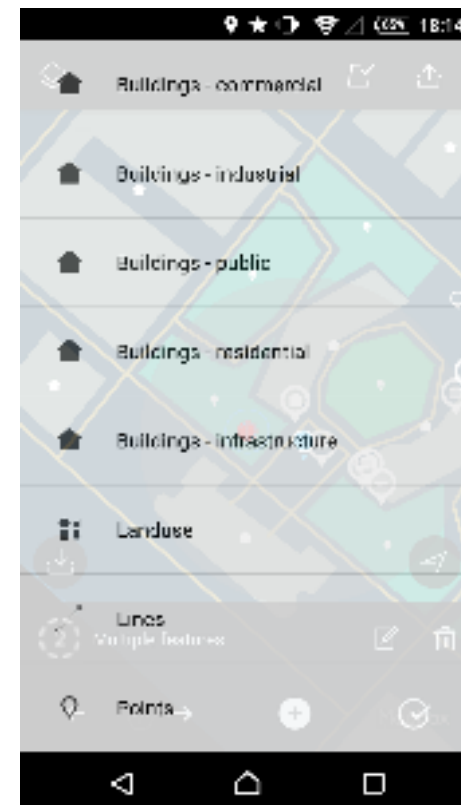
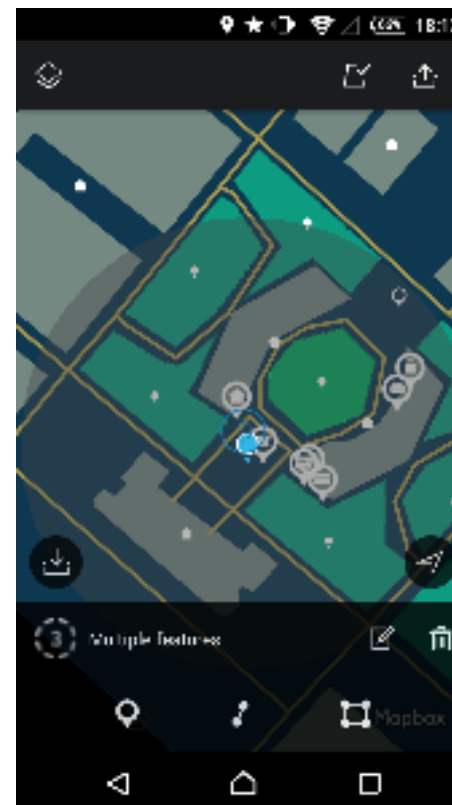
1st Phase Mapping w/ Imagery from PASC0



Prepare offline data with geoMapTool



The geoMapTool by GeoThings



- Allow user to map with smart phone just like working with iD
- Work for either online or offline, cached basemap with **Mapbox SDK**
- Pre-set tags for mapper to contribute easily for disaster resilience

Mabuhay GK in Padre Burgos



Some buildings are already mapped

OpenStreetMap

Edit History Export

GPS Traces User Diaries Copyright Help About

slayer@GeoThings

Edit feature

House

All fields

Name

Residential

Address

123 Site Boundary

City 4803

Levels

2, 4, 6...

All tags (4)

addr:postcode	4803
addr:street	Site Boundary

Point Line Area

Save

Laquey Farm

Pathway

Pathway

bing

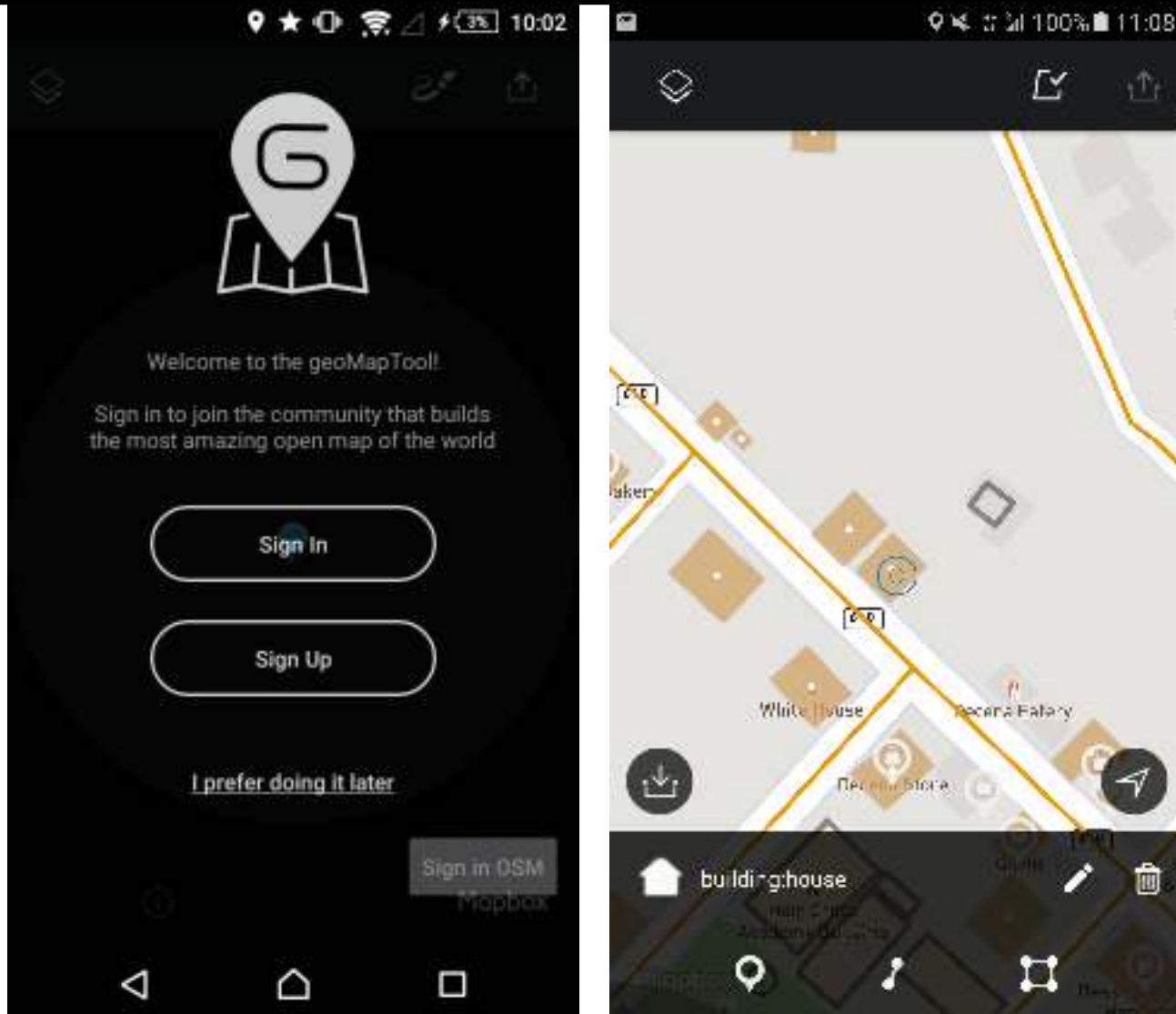
© 2016 DigitalGlobe, © 2016 GeoEye, © 2007 Microsoft Corporation

300 ft

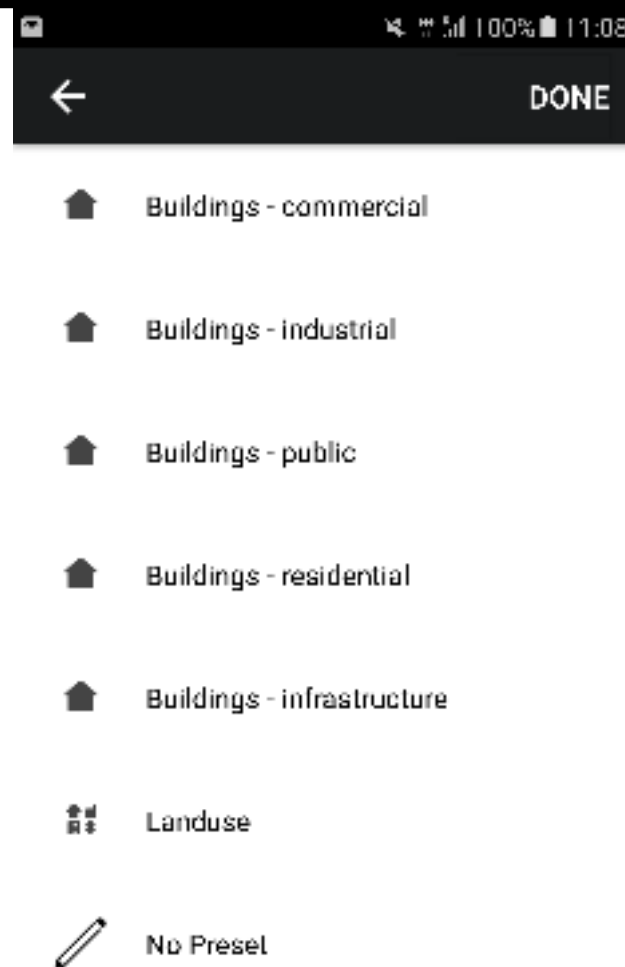
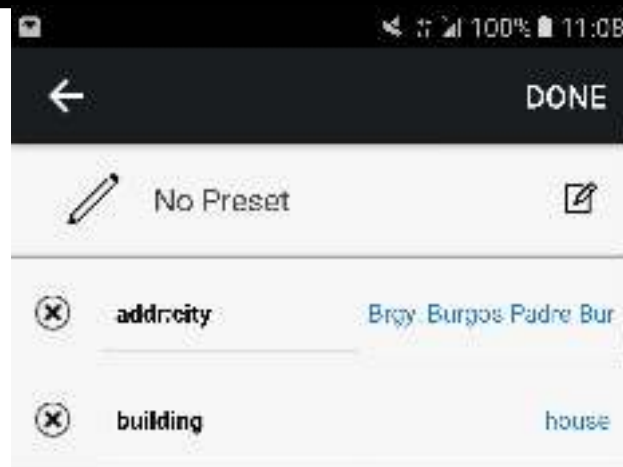
Edited by vansparoo, gkanlorocta9884, mihaimol, and 6 others

1.9.7

Selecting Building with geoMapTool in Field



Edit the Building with Preset



Tags that not available from satellite imagery

← DONE

Buildings

⊗ name empty

⊗ addr:city Brgy. Burgos Padre Bur

⊗ building commercial

⊗ landscape not selected

⊗ building:material not selected

⊗ building:form not selected

⊗ visual:condition not selected

⊗ addr:street

+

← DONE

⊗ building:form not selected

⊗ visual:condition not selected

⊗ addr:street empty

⊗ addr:housenumber empty

⊗ roof:material not selected

⊗ basement not selected

⊗ building:levels not selected

⊗ plinthlevel:height not selected

⊗ building:type not selected

Getting used to geoMapTool



What to tag for 2 houses share 1 roof



Sorry Cat (Kate?), I stepped on you



GK was Supported and Built by PH Gov



Then we went to Rizal, Barangay by Sea



Things (Houses) getting Different



1st Phase Mapping w/ Imagery from PASCO

The screenshot displays the OpenStreetMap web application. At the top, the 'OpenStreetMap' logo is on the left, and navigation links for 'Edit', 'History', and 'Export' are in the center. On the right, there are links for 'GPS Traces', 'User Diaries', 'Copyright', 'Help', and 'About', along with a user profile icon labeled 'slayer8GeoThings'.

The left sidebar is titled 'Edit feature' and shows a 'Town Hall' icon. Below it, the 'All fields' section contains input boxes for 'Name' (filled with 'Barangay Rial Hall'), 'Operator' (filled with 'Sangguntang Barangay'), and 'Address' (with sub-fields for '123', 'Street', 'City', and 'Postcode'). The 'All tags (3)' section shows 'amenity' set to 'town hall' and 'name' set to 'Barangay Rial Hall'.

The main map area shows a satellite view of a coastal region. A red dashed line outlines a specific area. Various labels are visible on the map, including 'G. Narn', 'Eufemia Surt', 'ros bilardo station', 'sol man store', 'ros bilardo station', and 'Rustia'. The map includes standard navigation controls like zoom in (+), zoom out (-), and a compass. At the bottom, a scale bar indicates '300 ft' and a credit line reads 'bing © 2010 DigitalGlobe, © 2010 GeoEye, © 2010 Microsoft Corporation'. The bottom right corner shows 'Edit by glenierrecta8684, jsoikman868, ichoddo pburges, and 6 others' along with a version number '1.0.7'.

Then to Walay, Barangay by Coastline



They live by Sea



Addr? Visual_Condition? Material?



Still we update some details for Walay

The screenshot shows the OpenStreetMap web interface. On the left, the 'Edit feature' sidebar is open for a 'House' feature. The sidebar contains the following sections:

- Edit feature**
- House** (with a house icon)
- All tags**
- Name** (Common name (if any))
- Address** (123, 4308)
- Levels** (2, 4, 6, ...)
- All tags (4)**
- | | |
|---------------|----------------------|
| addr:city | padre burgos quetzon |
| addr:postcode | 4308 |

The main map area shows a satellite view of a river and surrounding land. A white path is drawn across the map, and a yellow polygon is highlighted. The map includes a scale bar (500 ft) and a copyright notice: 'bing © 2018 DigitalGlobe, © 2018 GeoEye, © 2018 Microsoft Corporation'. The bottom right corner shows the user 'elayer@GeoThings' and the version '1.6.7'.

Next Phase for Situation Report

geoBingAn

Make a better life.

Do you still call to report problems?
Now you can do it with several steps.
Sending report is just a click away,
and it will be transmitted automatically to the related units.



Situation Report and Damage Assessment



Add Report



Nearby



Tree Down



Rubbish



Disaster



Pothole



Animal



Street Light



slayer

2016/05/03 15:00:05

Last updated: 2016/05/03 15:00:05

Electricity outage!



Hà Huy Tập (tên: 'ThongQuán / H8...)

Reply list

No reply



Leave message..

SEND



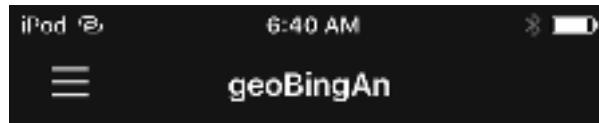
Walay, Community Meeting for Fishing



I see only a few people in Talipapa



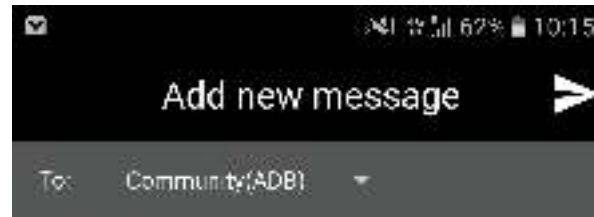
Link up with what they make for living



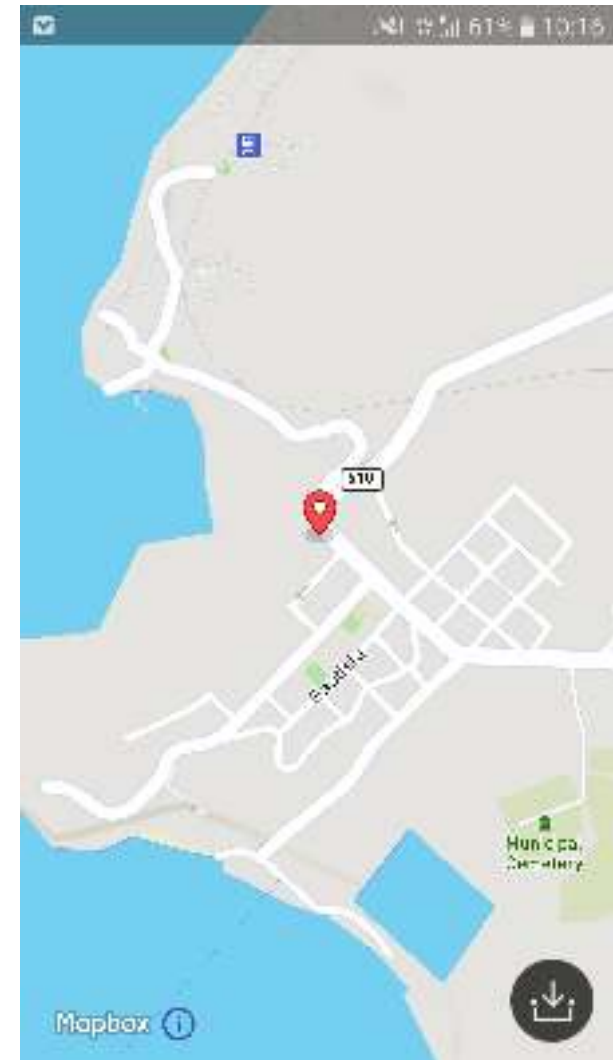
New Report



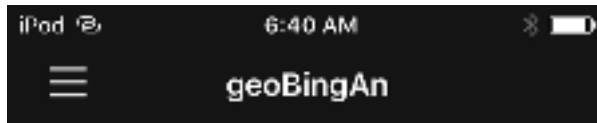
Nearby Events



ADB
some fishes for 20 peso
- Padre Burgos - Agdangan Nation...
- Category: Disaster Report



Pest Resolution in Fiji



New Report



Nearby Events



slayer

2016/06/21 07:52:44

Last update: 2016/06/20 23:52:45

In progress

problem to my potato green house



300台灣新竹市東區光復路二段402...

Reply list

No reply



Leave message...

SEND



Situation Report and Damage Assessment



Add Report



Nearby



Tree Down



Rubbish



Disaster



Pothole



Animal



Street Light



slayer

2016/05/03 15:00:05

Last updated: 2016/05/03 15:00:05

Electricity outage!



Hà Huy Tập (tên: PhongQuân / H8...

Reply list

No reply



Leave message..

SEND



Web Integration and can Export in GeoJSON

≡ Reports


NEW REPORT

My Report

2018-06-12 16:28

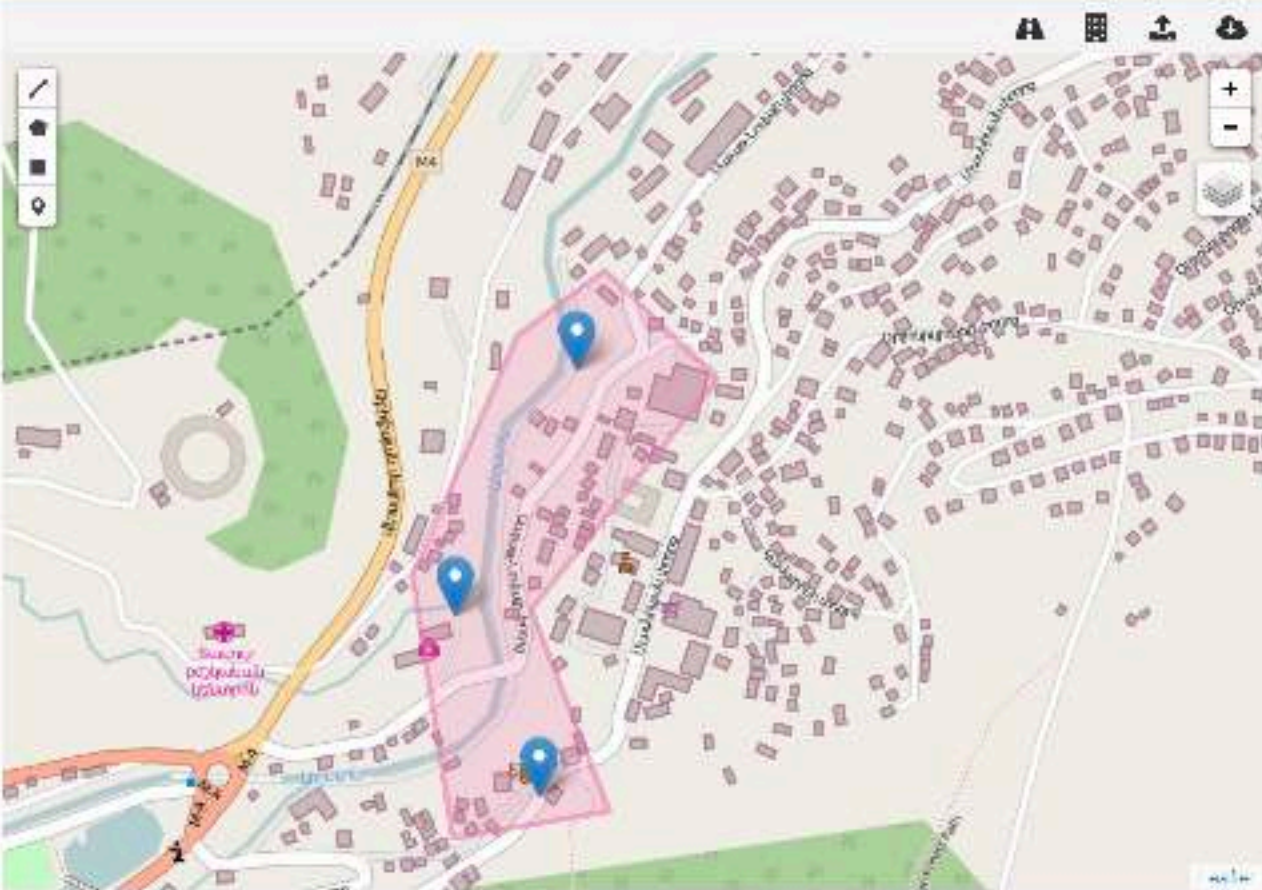
IMMIGRANTS

Dilgan International University
Address: Dilgan Armenia



0 TAKE DELETE FINISH

2018-06-12 16:32

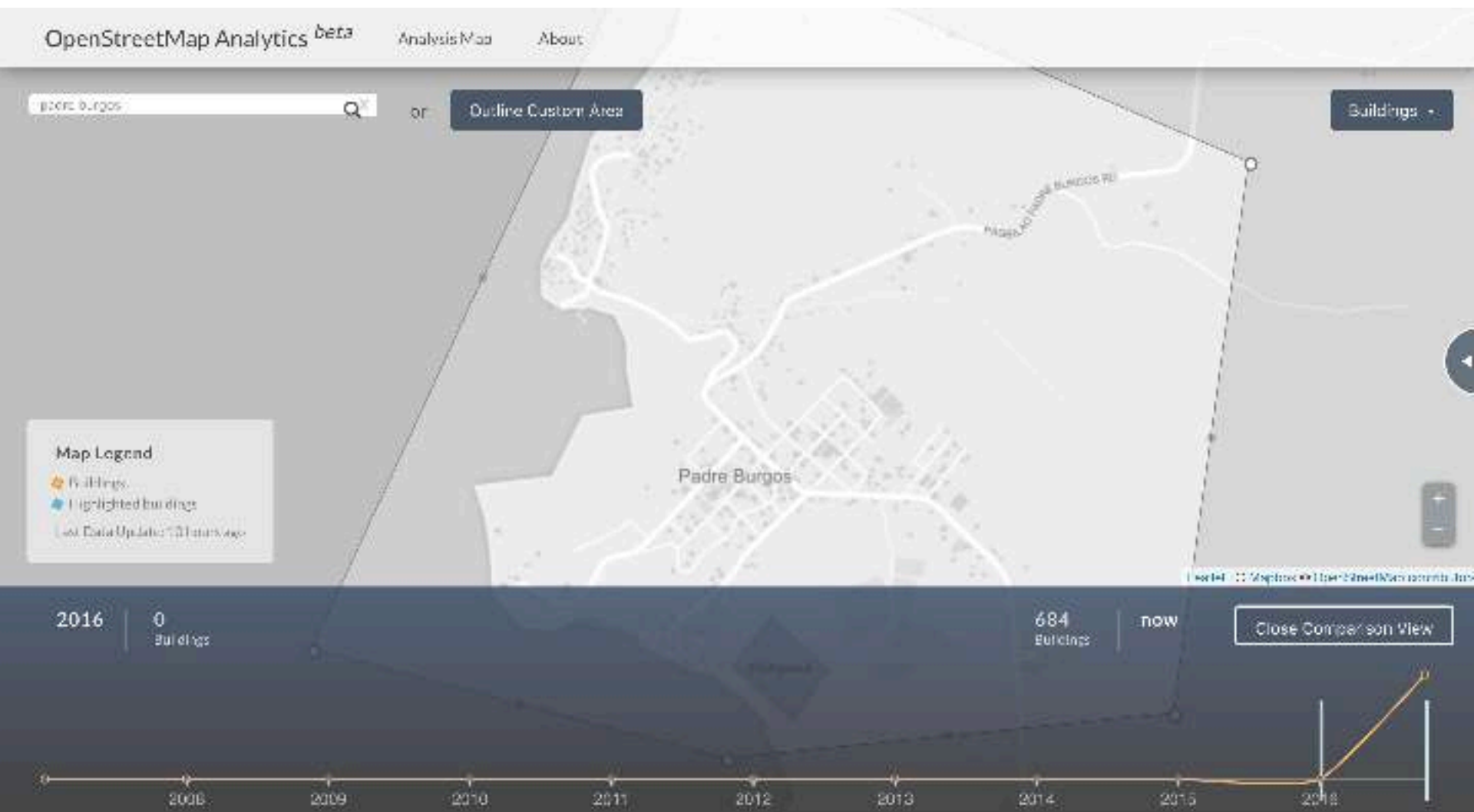


Cooperation with ADB for Disaster Resilience

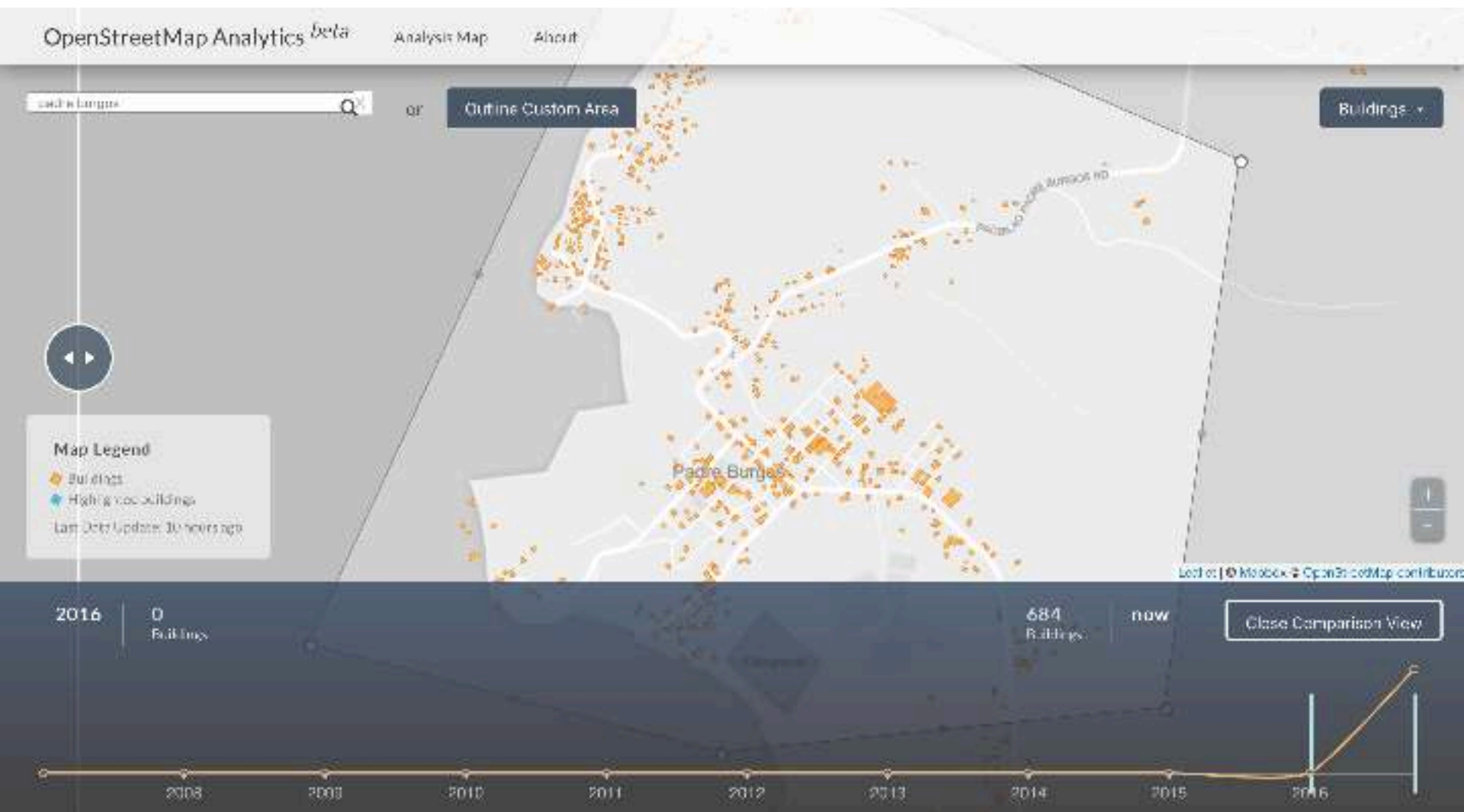


ADB Project 48333-001: Applying Space-Based Technology and Information and Communication Technology to Strengthen Disaster Resilience

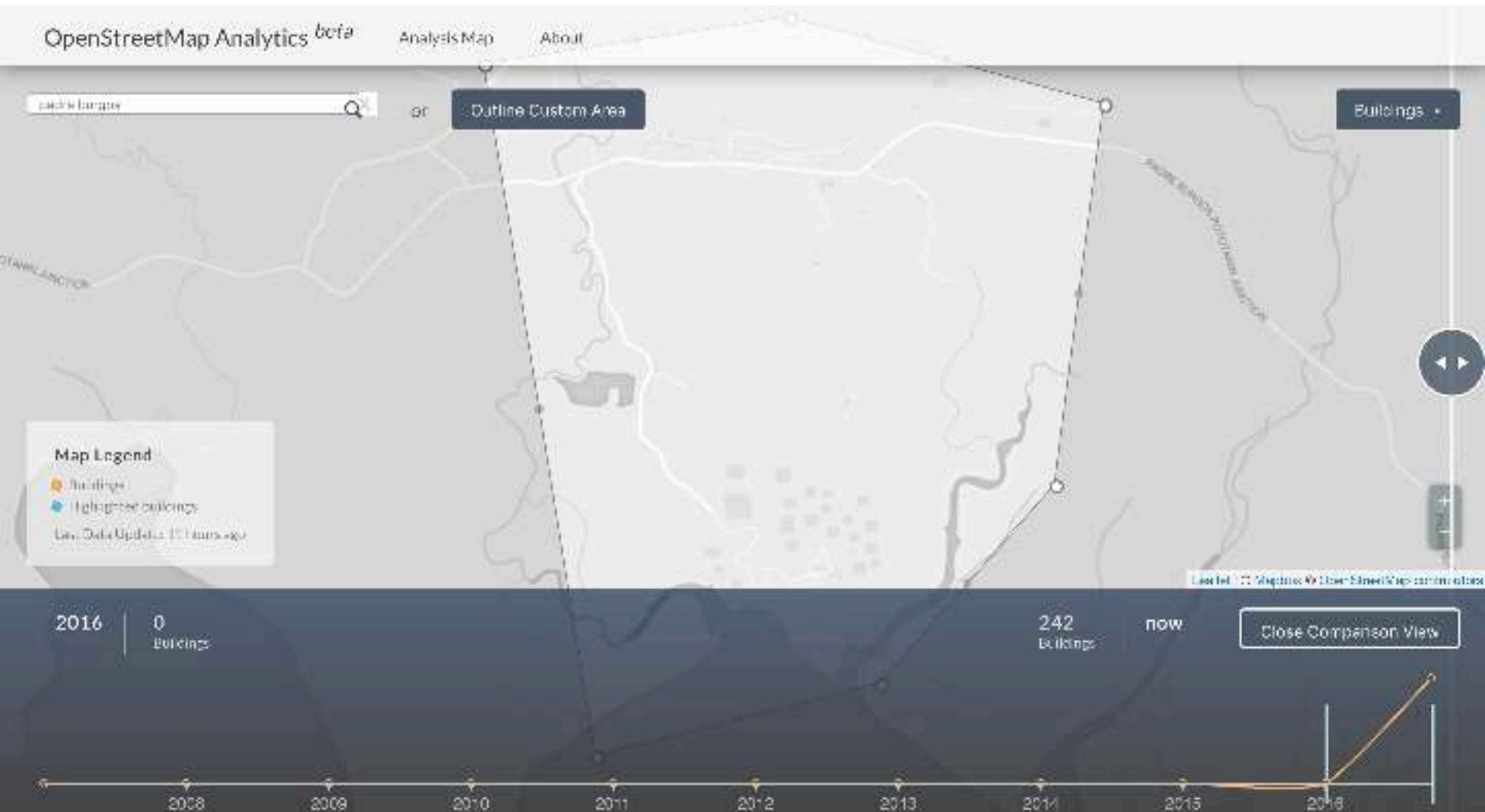
Padre Burgos, before 2016



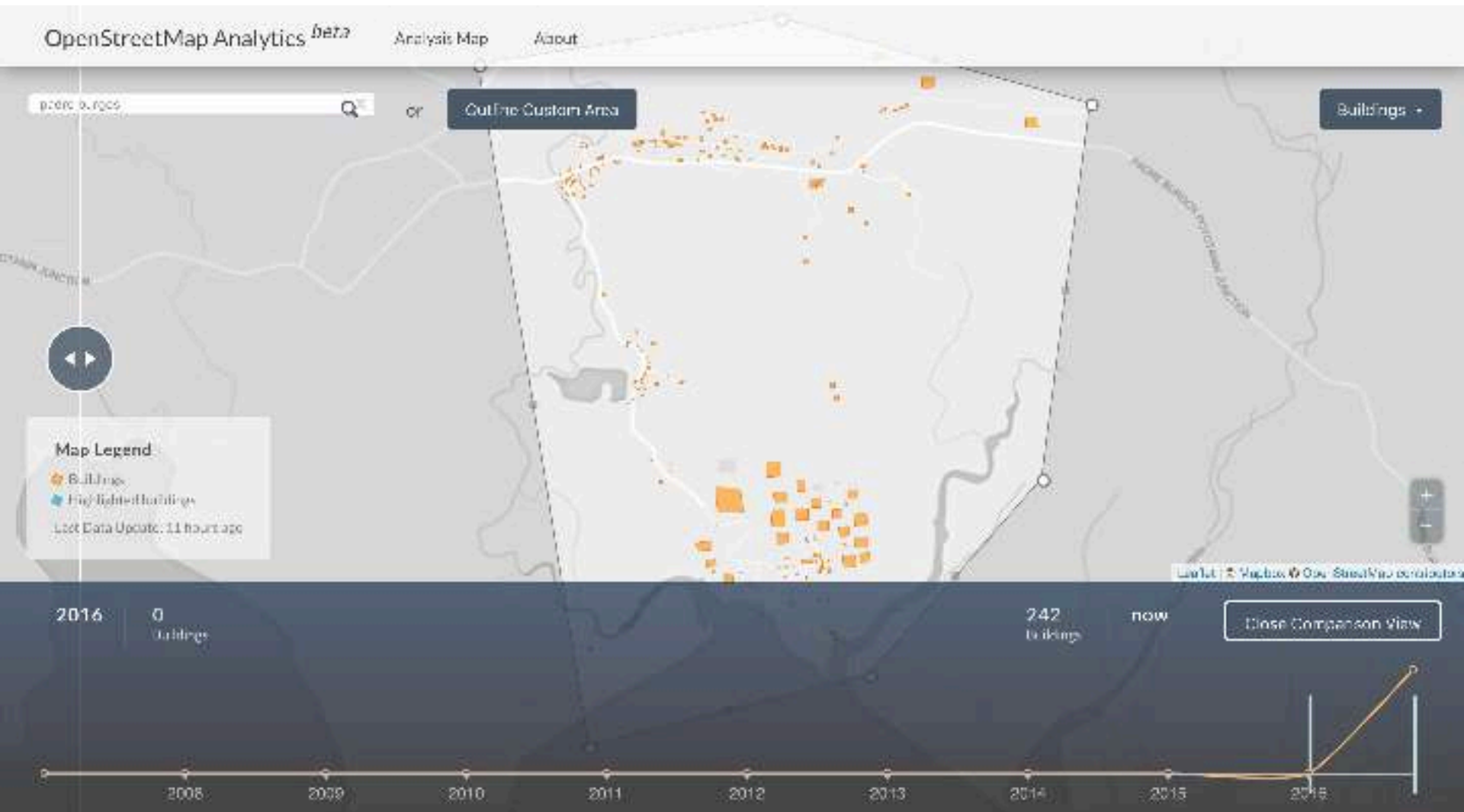
Padre Burgos Now



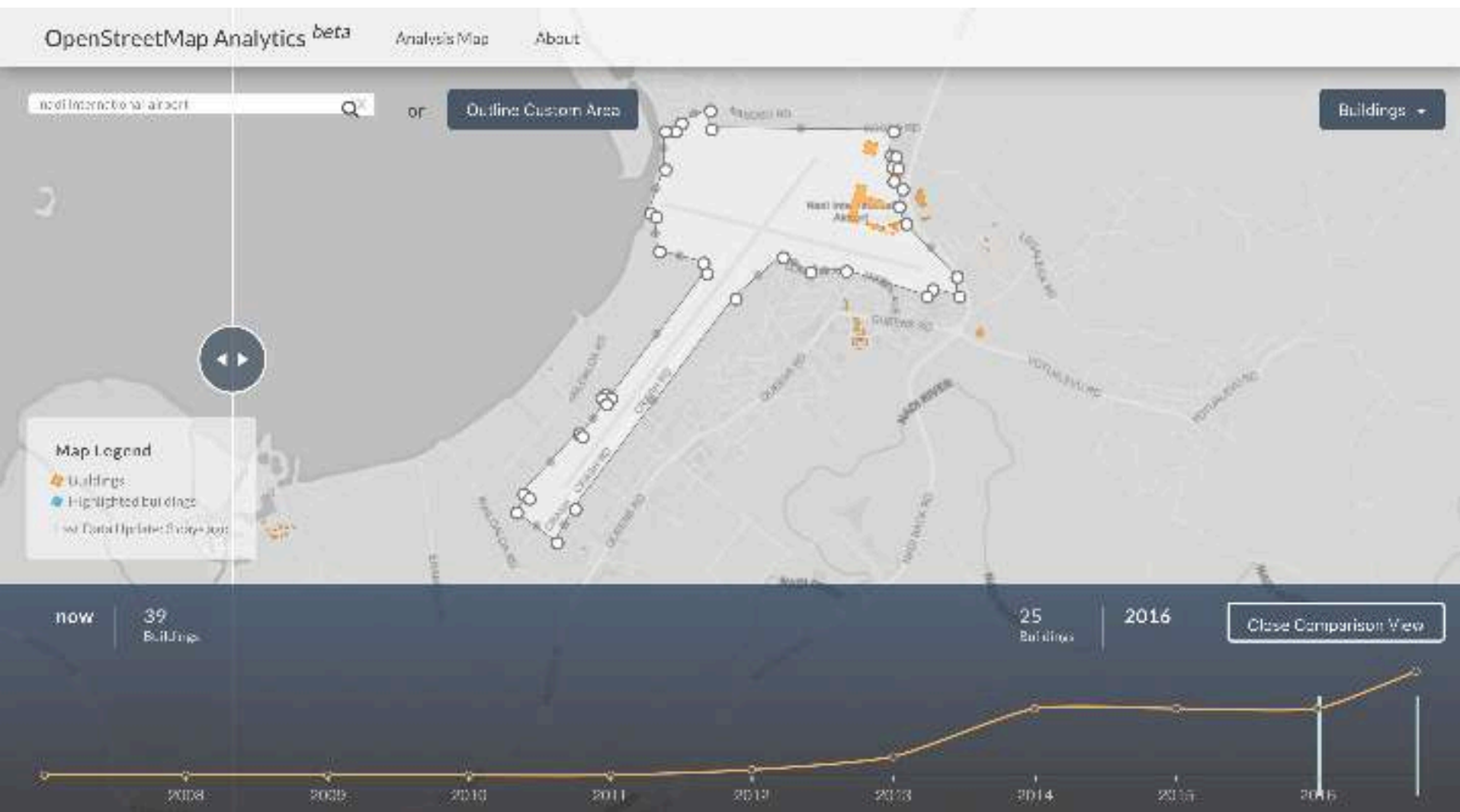
Walay, before 2016



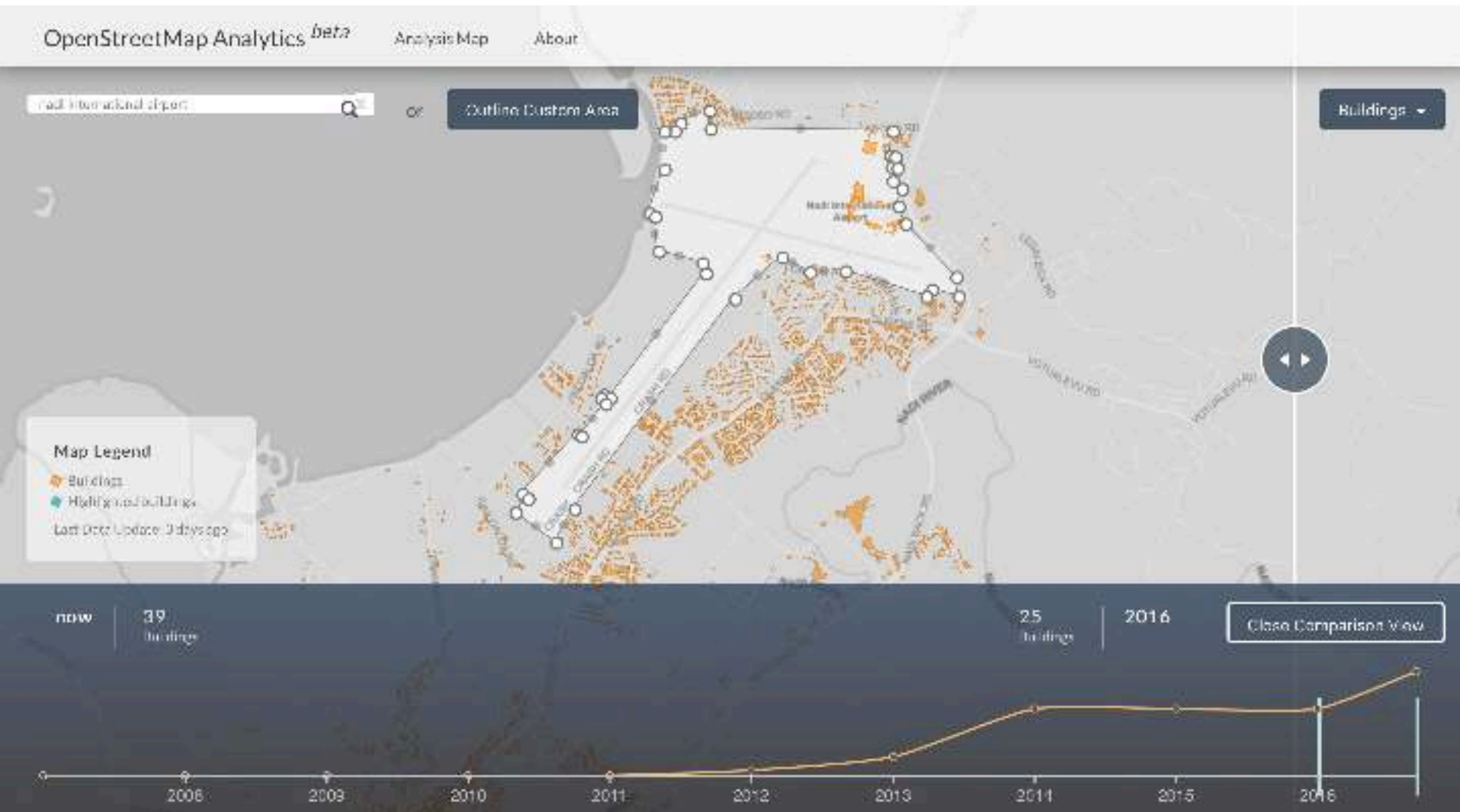
Walay Now



Nadi of Fiji, before 2016



Nadi of Fiji, by now



In the Field of Bangladesh



Mapping for Fiji



In Thailand and Armenia



About GeoThings (究心公益科技)



- First Technical Social Enterprise in Taiwan
- A group of specialists on Mobile/Web/UX development
- Actively participate in various international organizations such as OGC, ITU, GEO, UN-GGIM, Crisis Mappers, and OSM/HOT



Mapping for Our Bahay (Home)

GeoThings, **the Humanitarian ICT**