



What and how the affordable ICT tools can help in strengthening the Disaster Resilience

GeoThings Inc.

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Something about GeoThings

- Trusted Developer of **Ushahidi** and the Development partner of **Sahana** (2012)
- Standard Editor/Contributor of **OGC** and **ITU** for Open GeoSMS and Q.3615 (2015)
- Was the board director of **HOT** (2017)
- Contracted by ADB on TA8884 for Armenia, Bangladesh, Philippines, and Fiji
- **Signed MOU with ADRC for DRR Cooperation using Humanitarian ICT**



ADB pilot project (TA8884) was aiming to strengthen the disaster resilience with Spatial Technologies and **ICT Tools**

Target Countries are Armenia, Bangladesh, Philippines, and Fiji

OSM Mapathon to enhance the basemap

Filed Validation and **Town Watching** with local community

Evacuation Map Planning with local community

Disaster Resilience with ICT tool

Evacuation Map Planning Lead by ADRC



Town Watching and Field Validation




Building/Environment Details Collection

Map Detail

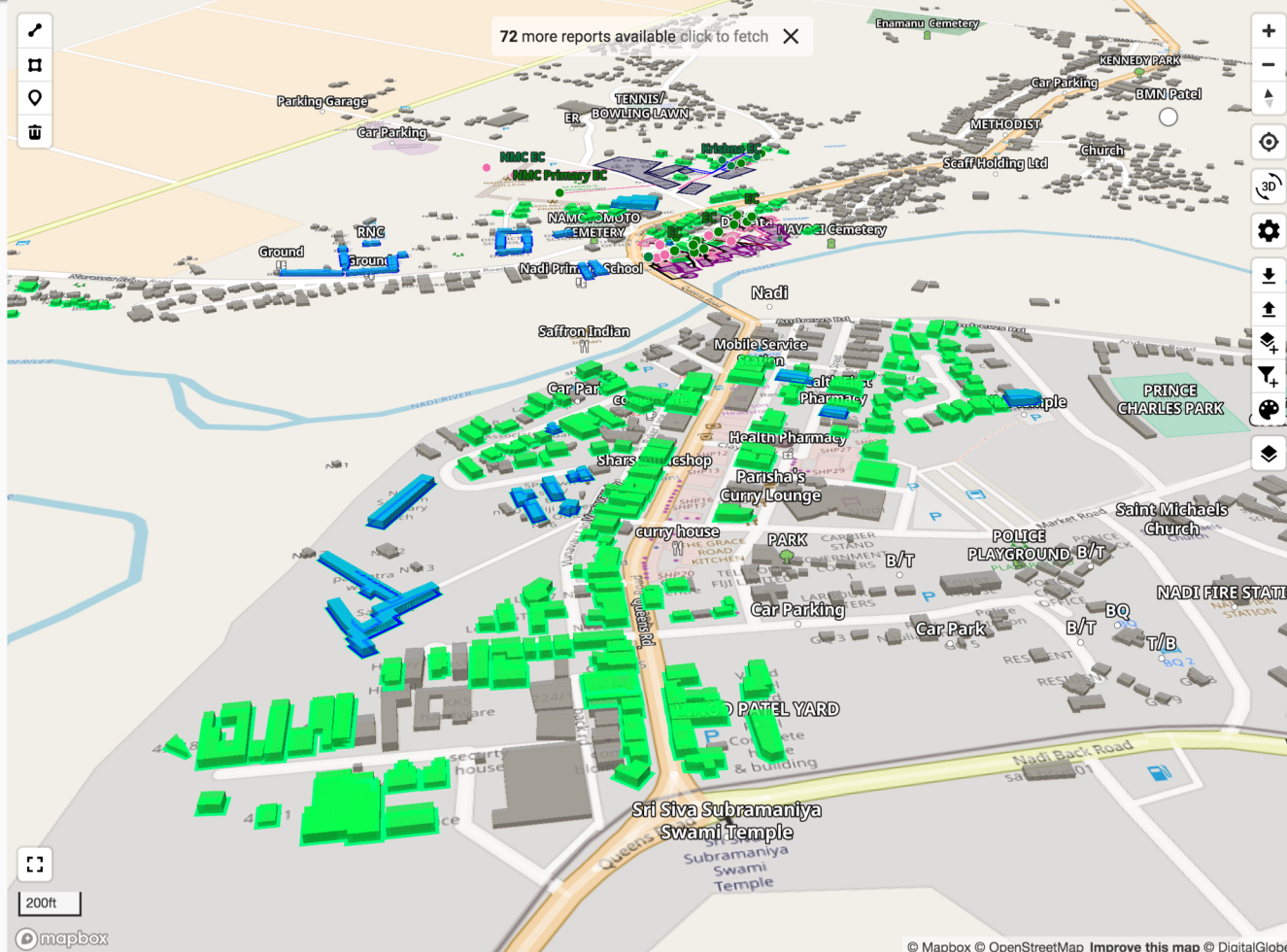
SELECTED REPORT X

miis**** to FJ Team Group
Cyclone Vulnerability

Roofing Structure of House is not strong



72 more reports available click to fetch X



200ft

mapbox

© Mapbox © OpenStreetMap Improve this map © DigitalGlobe

Green building means it has Building Material tag
Flooded Before? Flood Type? Evacuation Center Information?



Tsunami Evacuation Plan by Fiji

Map Detail

MY GROUP

MAP

powered by geoBingAn

4M

59 more reports available click to fetch

grace.***** to FJ Team Group House

Lavena House

House

building address
Nabasovi village Koro

building material
wood

is it a temporary building?
no

building roof material
light metal sheet

Is there a basement in the building?
no

building condition
good

slope of the building
moderate

Community Hall

100ft

mapbox

© Mapbox © OpenStreetMap Improve this map © DigitalGlobe

Fiji National Tsunami Drill (March 1st, 2018)

"

Drill lead by NDMO (National Disaster Management Office) of Fiji
Video released by UNDP Asia and Pacific



PacWave2018 for Fiji in Suva

Map Detail

CUSTOM

MAP X

powered by geoBingAn

Regional House, Knollys St

NEOC to FJ Team Group
Drill End

Thank you
End of PACWAVE18

2

UNDSS
Vinaka 4m

RBF
vinaka now

New Comment

Regional House, Knollys St

NEOC to FJ Team Group
Tsunami Status Update

All Clear message

200ft

mapbox

Fiji Evacuation Drill: 66:39

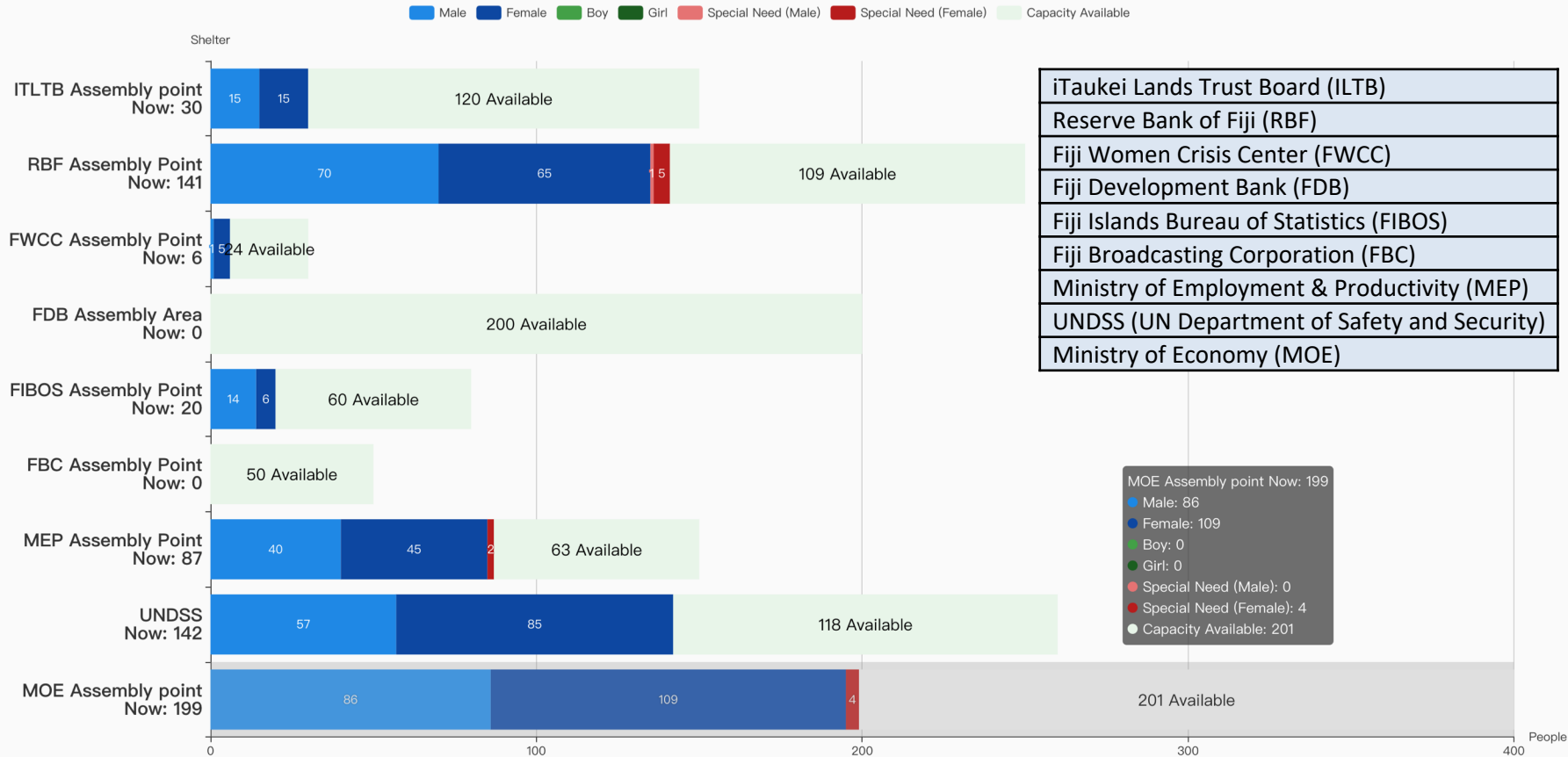
© Mapbox © OpenStreetMap Improve this map © DigitalGlobe

PacWave2018 was successfully concluded in 66:39 this morning



Statistic of PacWave2018

2018 - Fiji Tsunami Drill



PacWave2018 was successfully evacuated 625 residents.
 283 male, 330 female, 12 with special needed

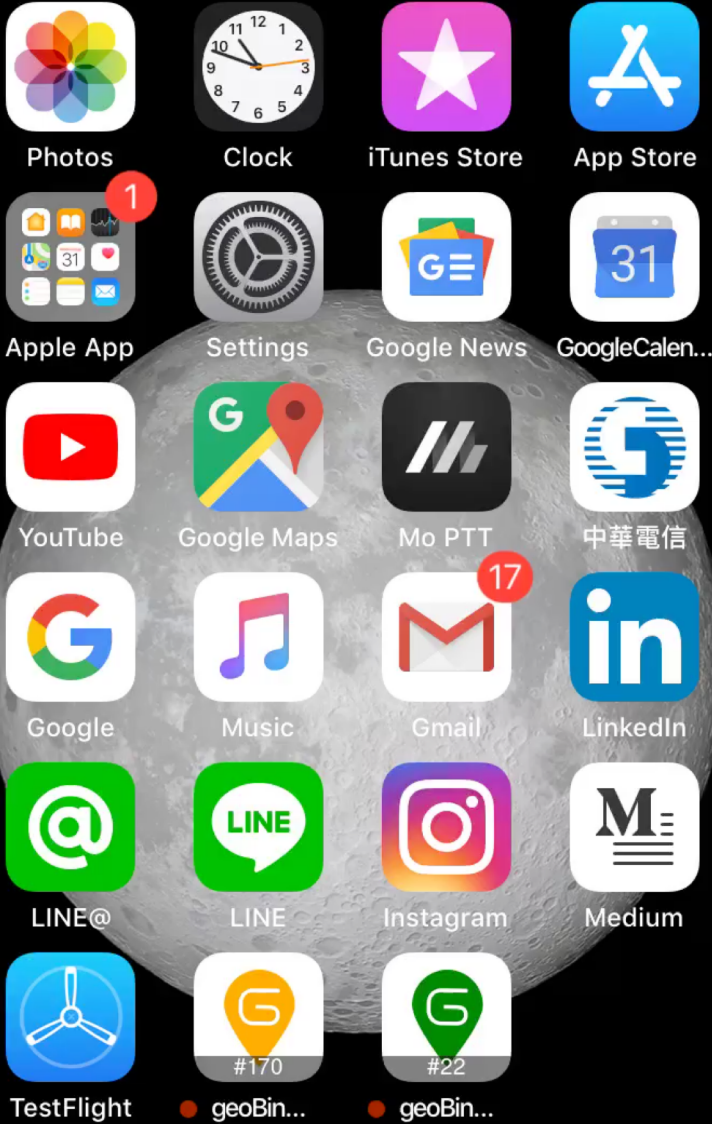


JFPR (Japan Fund for Poverty Reduction) and ADB supported this pilot in 4 countries with TA8884 (2M USD project)

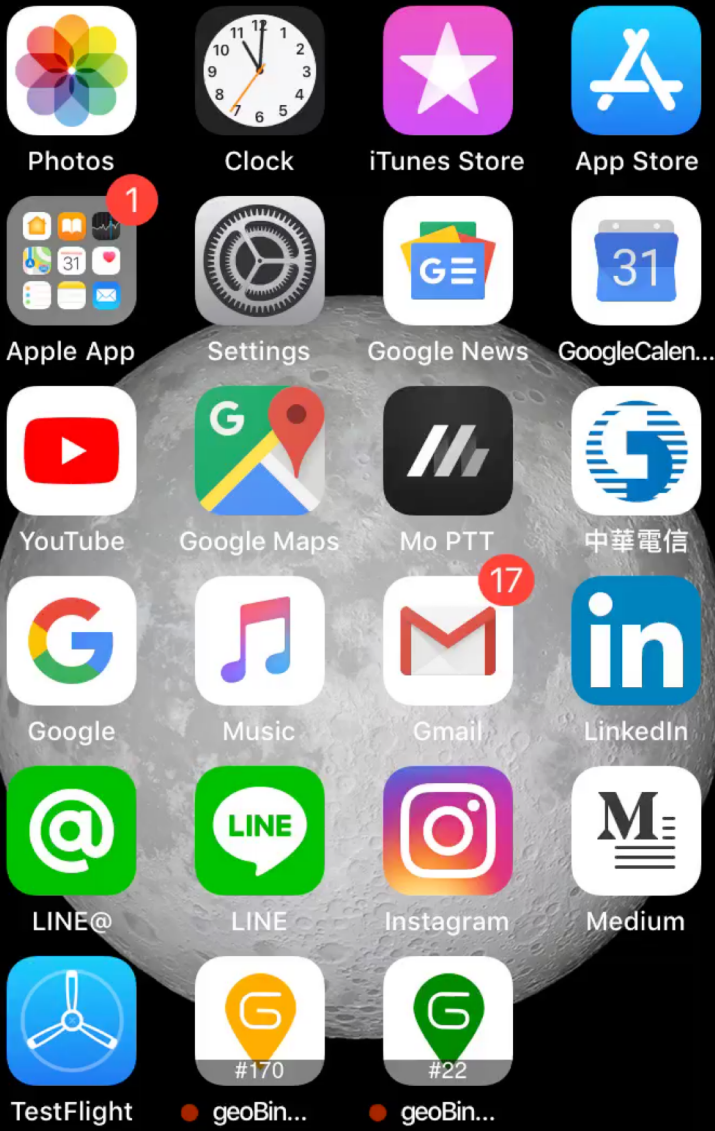
What extension we may have?

**Make this ICT tool to be SaaS (Software as a Service)
alone with the existing popular App**

Talk about AFFORDABLE ICT



ADRC Line Bot



Photos



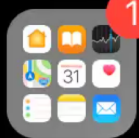
Clock



iTunes Store



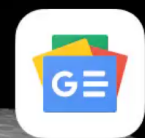
App Store



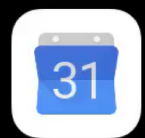
Apple App



Settings



Google News



GoogleCalen...



YouTube



Google Maps



Mo PTT



中華電信



Google



Music



Gmail



LinkedIn



LINE@



LINE



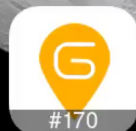
Instagram



Medium



TestFlight



geoBin...



geoBin...


ADRC



geoBingAn Line Bot to public

新街溪萬能橋水位檢視正常

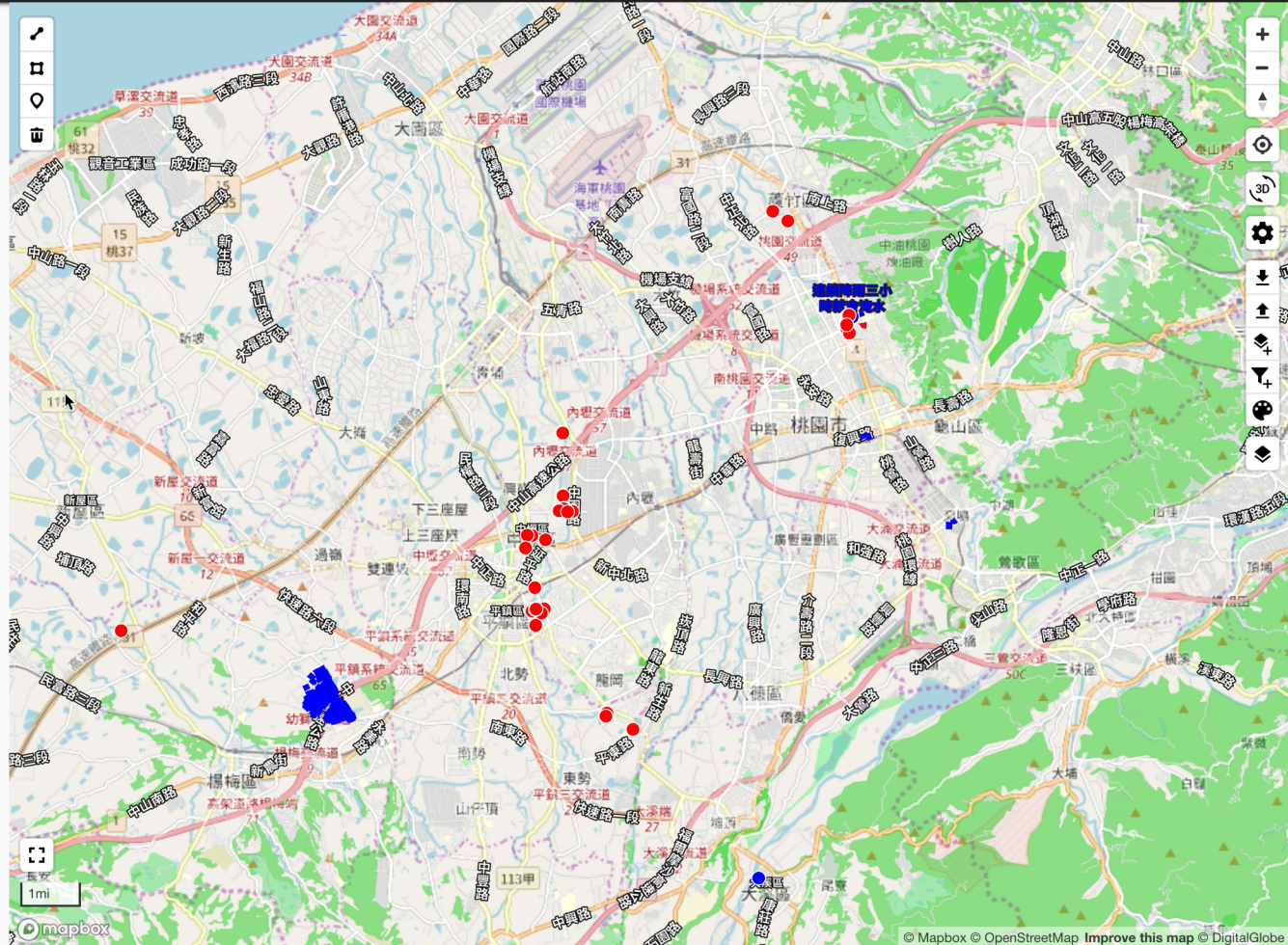
#Line



0

geoBingAn Line Bot to public

新街溪水位檢視正常



Pilot Practice with Line in TaoYuan, Taiwan

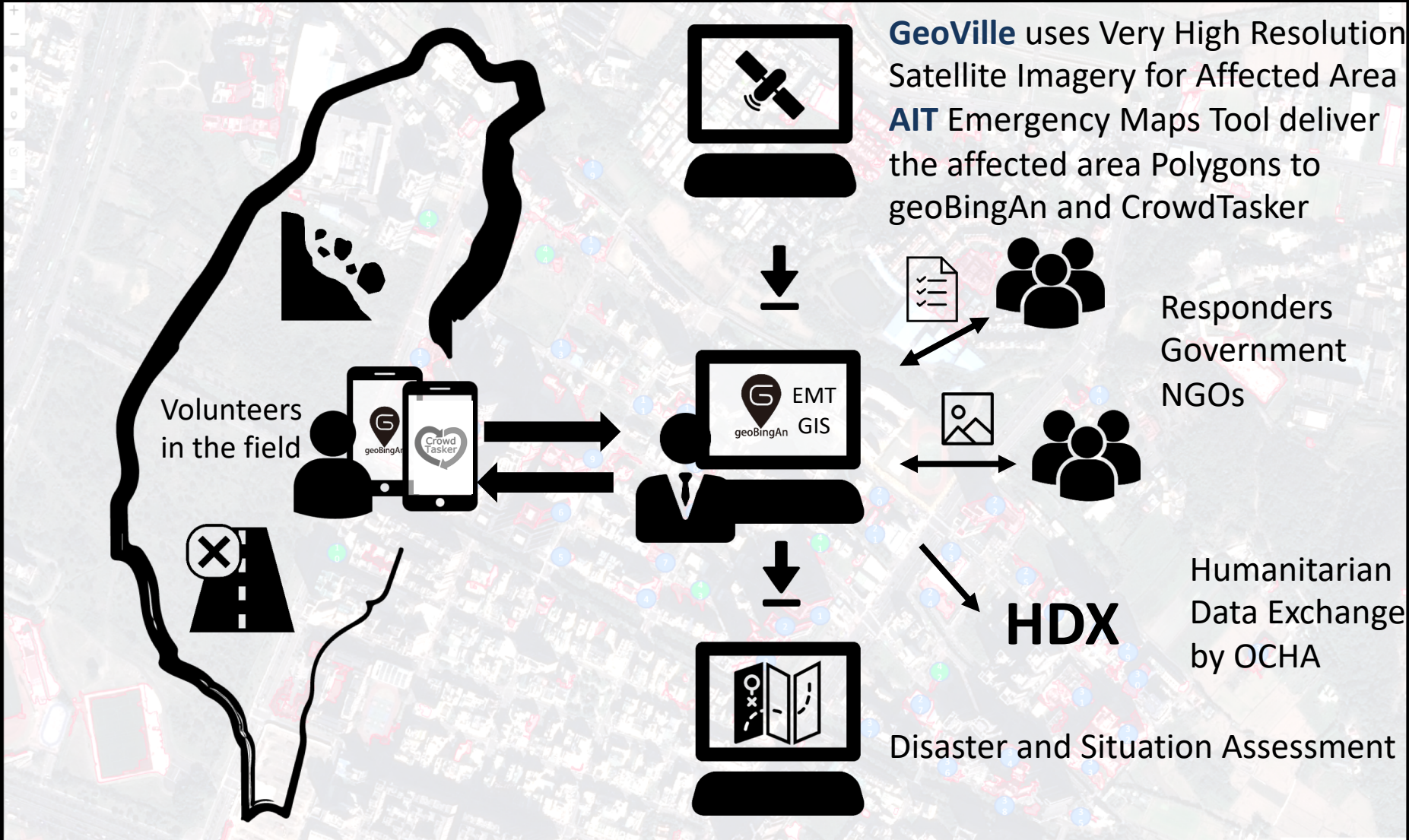


QuinJunSAT Tasked Crowdsourcing Damage Assessment



SHP/GeoJSON Data from Damage Assessment is Important!

QuinJunSAT Drill at 921 (National Disaster Prevention Day)



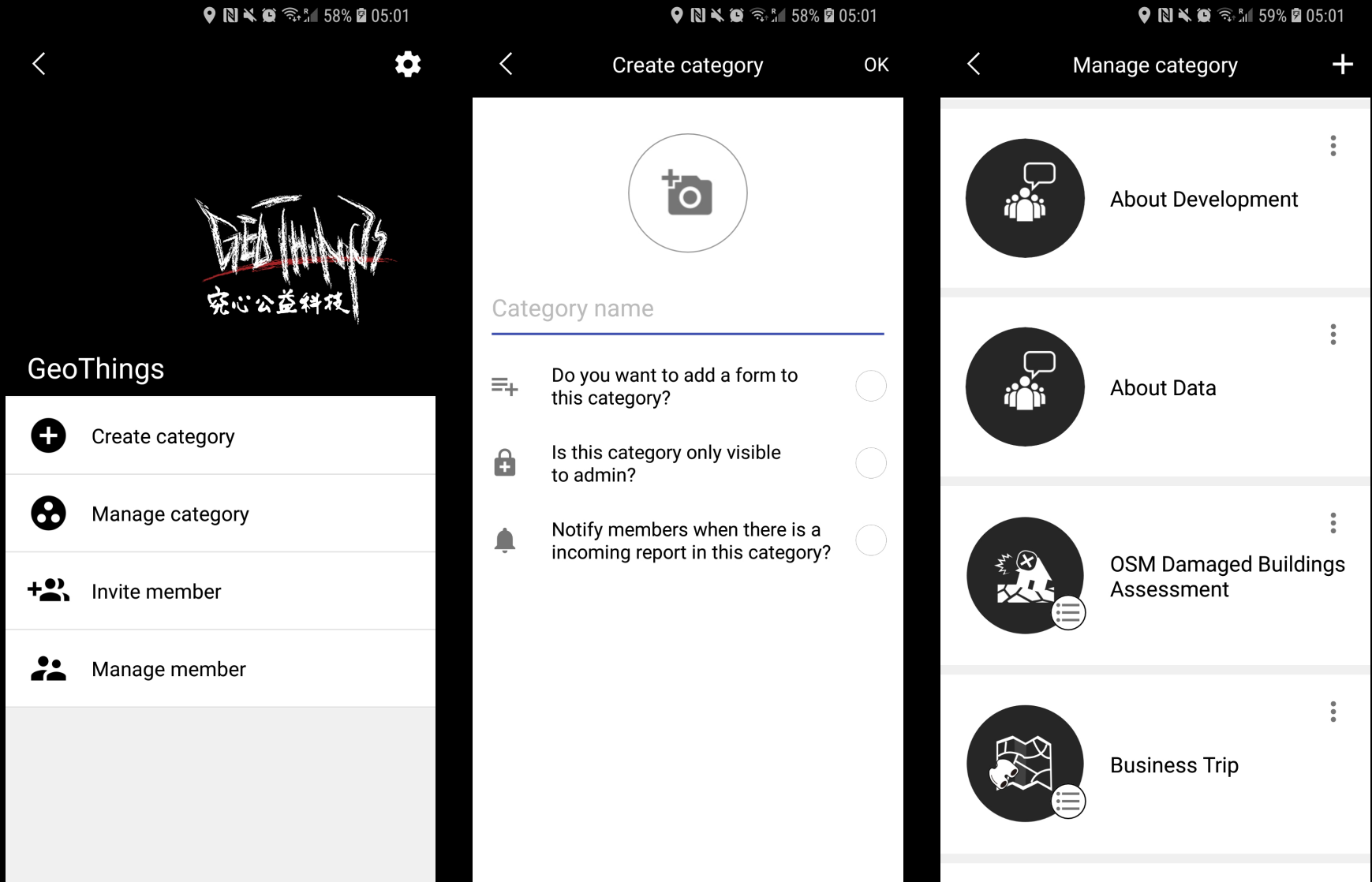
Cooperation of GeoVille, Austrian Institute of Technology, GeoThings, and Community. Funded by FFG Austria

Data can be easily exported to HDX

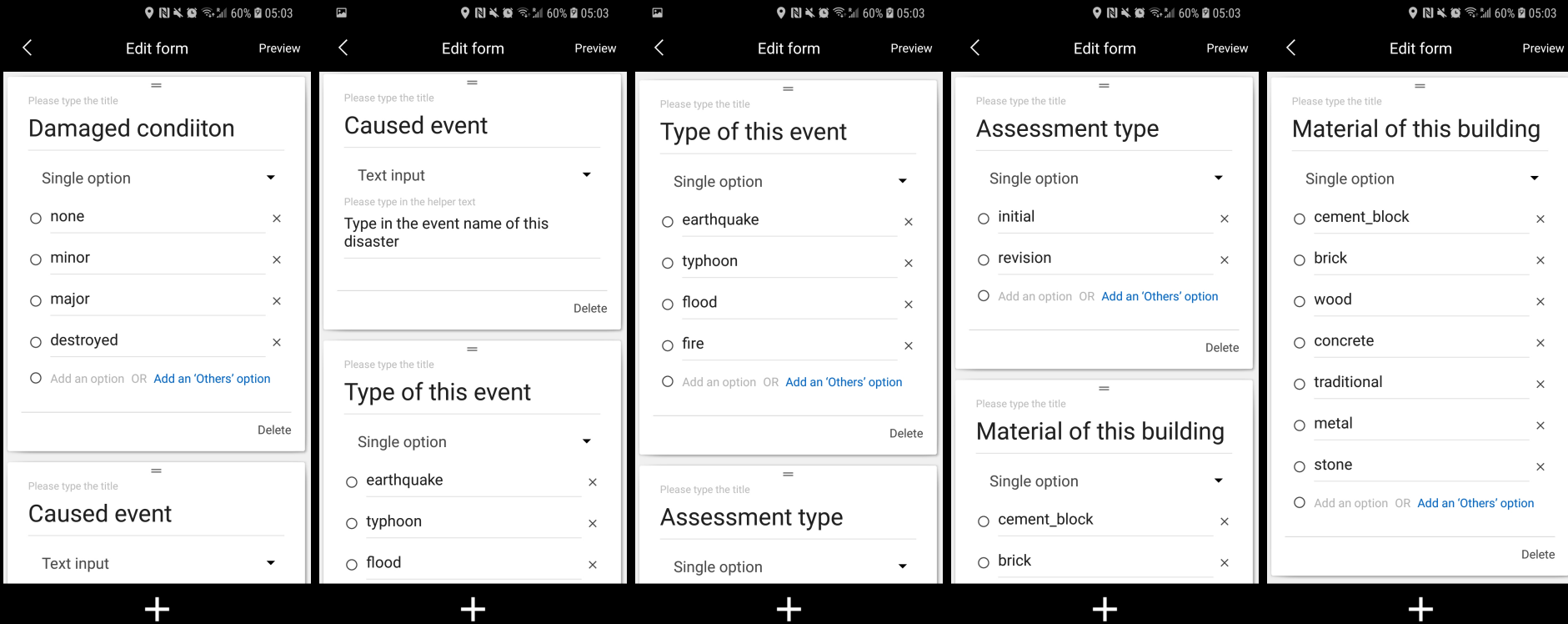
The screenshot shows the HDX profile page for GeoThings. At the top, there is a navigation bar with the HDX logo, a search bar, and links for DATA, LOCATIONS, ORGANISATIONS, QUICKLINKS, and FAQ. A red 'ADD DATA' button is also present. Below the navigation bar, the breadcrumb trail reads 'HOME / ORGANISATIONS / GEOTHINGS /'. The main heading is 'GeoThings', followed by statistics: '3 MEMBERS | 51 FOLLOWERS | VISIT WEBSITE'. A note indicates 'Last updated on' followed by a blank space. The main text describes GeoThings as a spin-off company from ITRI of Taiwan, focused on disaster and emergency response. It mentions its role in developing ICT tools, its participation in international activities, and its major software service, geoBingAn, which is used by various organizations and agencies in Taiwan and other regions. At the bottom of the main text, there is a 'Less' link. To the right of the text is the GeoThings logo, which features the word 'GEOTHINGS' in a stylized, hand-drawn font with a red underline, and the Chinese characters '究心公益科技' below it. Below the logo are social media icons for Google+, Twitter, Facebook, and Email. At the bottom of the page, there are three tabs: 'Datasets', 'Activity Stream' (which is selected), and 'Stats'.



SaaS (Software as a Service) for DRR



Easily Customize Your Own Survey Form



HOT Damage Tagging Proposal from Bgirardot
https://wiki.openstreetmap.org/wiki/User:Bgirardot/HOT_Damage_Tagging_Proposal




13h

新光路二段, 台北市

angelw***** to 遇見科技。迎向未來 樂

動物園



0

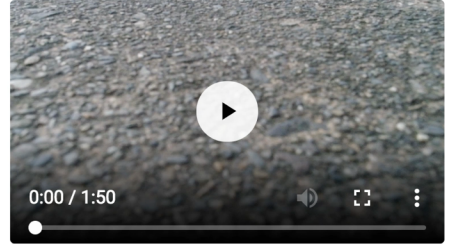
2h

168, Section 2

slayer to GeoThings About Data

2nd test for Dji UAV

GPX Sep-4th-2018-04-38PM-Flight...



0:00 / 1:50

1

5h

IN PROGRESS

394, Section 2

slayer to GeoThings About Data

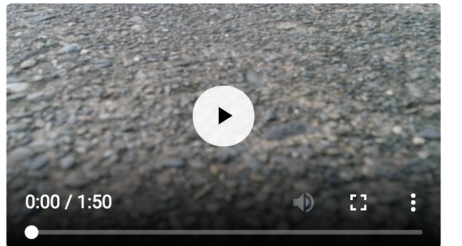
UAV test

GPX 1134_xmcxk45e0_DJIFlightRe...

Task

How about this GPX? The reason why it doesn't match might be the GPS points are not generated per second?

slayer assigned to hurden



0:00 / 1:50

2

slayer to GeoThings Information

北海道地震電力恢復得一週，手機無法通信怎麼辦？公共電話再度證實

<https://www.techbang.com/posts>

0

2d

立恩 to 遇見科技。迎向未來 食

肚子餓啦~

4h

No. 125, Section 1

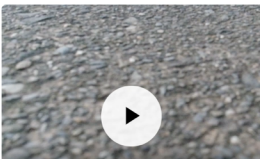
slayer to GeoThings About Data

<http://www.globenewswire.com/news-release/2018/0...>

9h

IN PROGRESS

No. 168, Section 2



168, Section 2

slayer to GeoThings About Data

2nd test for Dji UAV

GPX Sep-4th-2018-04-38PM

Working with Drone/UAV data for Disaster Assessment



Some local government and community **DOESN'T** have ICT officer

Sustainable service or Project-base Funding?

Concept: Microsoft Word and Your Document

User has **full control** on collected data
to go private, or to be exported in **SHP/KML/GeoJSON**

The Key to Affordable is
Self-Sustainable



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