

management & disaster response

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ADB x AIT x PASCO x GeoThings









Applying Space-Based Technology and Information and Communication Technology to Strengthen Disaster Resilience

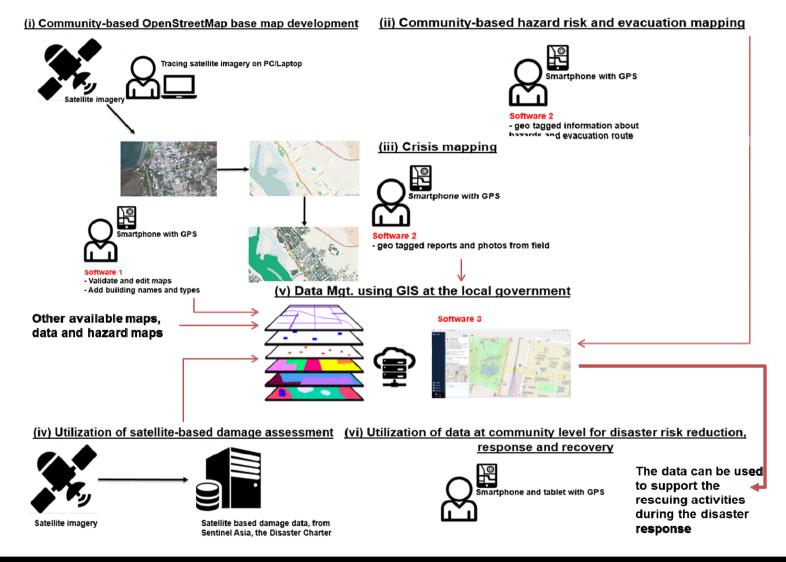


Target Countries for Deployment



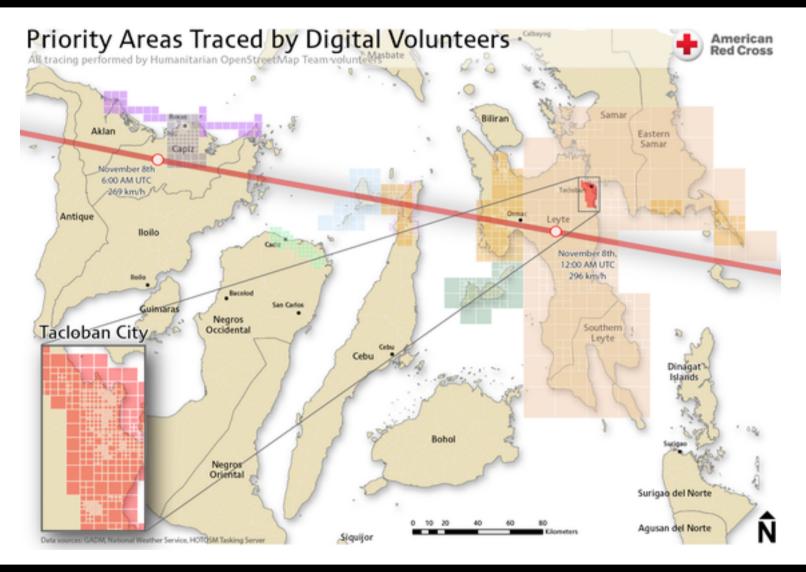


ICT to Strengthen Disaster Resilience



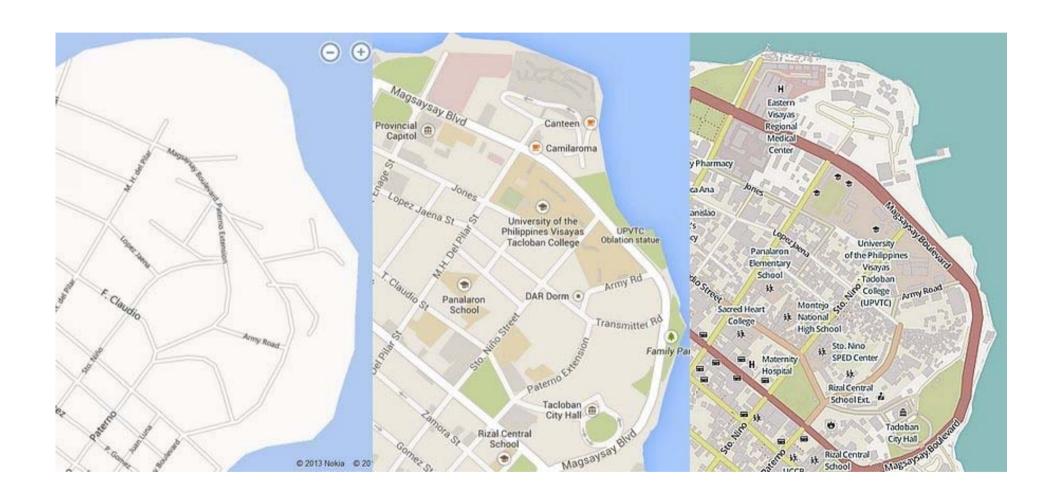


Sometimes, Map is NOT Available





Tacloban Mapping with OpenStreetMap





Capacity Building with Community

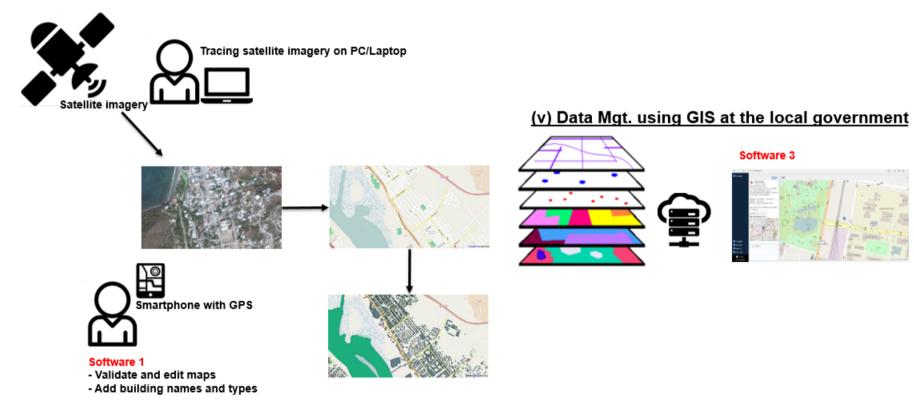






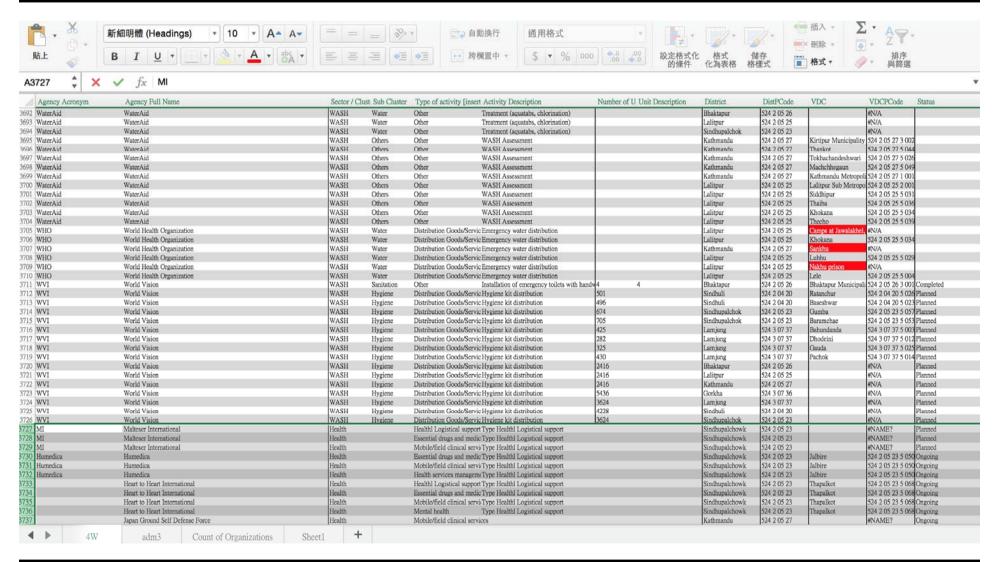
Satellite Imagery + OSM Community

(i) Community-based OpenStreetMap base map development





Response to Nepal Earthquake (4W)





示警介紹









豪大雨特報











Weather Bureau

Fire Department

Police Department

Directorate General of Highway

Water Resource Agency

Soil and Water Conservation Bureau





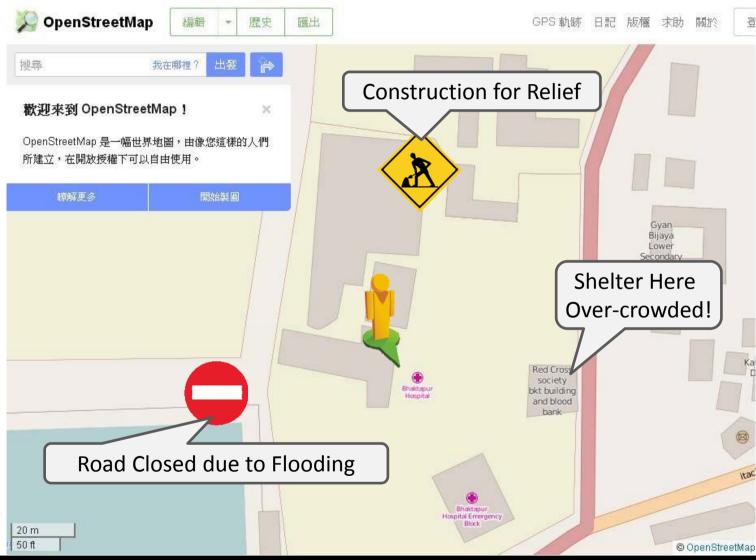




Disaster Information came from Various Offices



GIS-based Disaster Information Platform





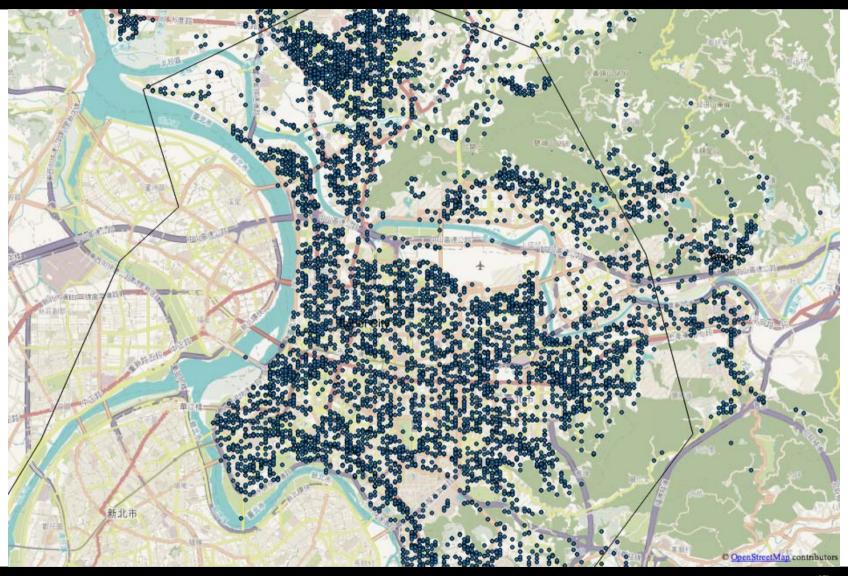
G-SPASE x GeoThings



- Kentaro Kuwata from University of Tokyo
- Visualize Dengue fever in Taiwan with QGIS
- GeoThings extend it for Typhoon response

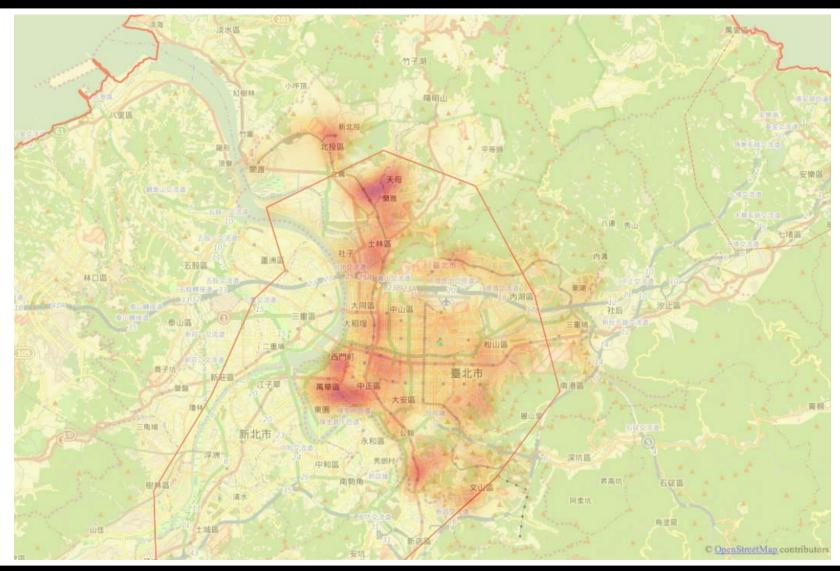


10K+ Reports for Typhoon Soudelor in Taipei





Tree Downs in Taipei after Typhoon





Volunteer Matching Platform



■志工

□物資

₩ 品牌館

輸入關鍵字或活動名稱

登入



熱門排行

活動

徵文比賽評比人員 「志愛長安,歡樂同行」--家庭關懷訪視志工

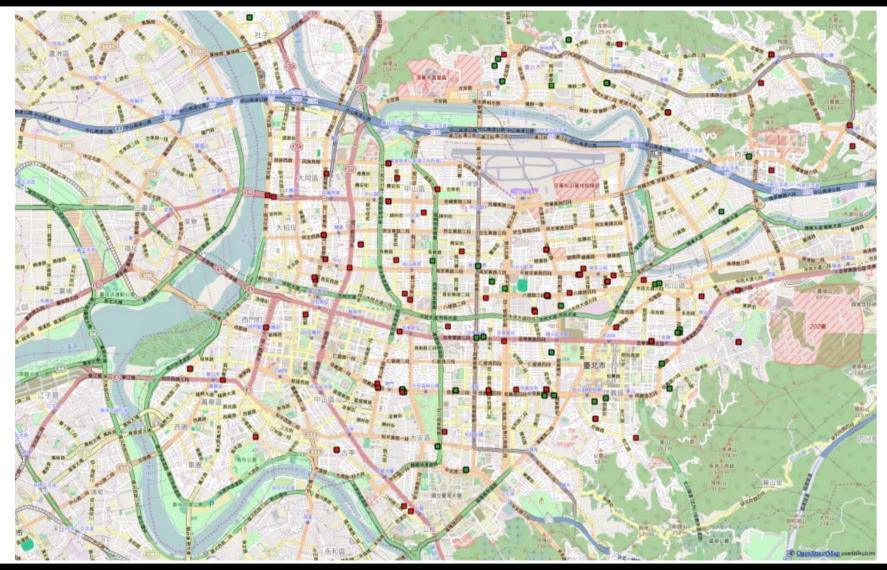
機構

社團法人中華民國荒野保 財團法人天下雜誌教育基 財團法人公共電視文化事





Dangerous Billboards after Typhoon





Crowdsourcing for Disaster Information

(ii) Community-based hazard risk and evacuation mapping



Software 2

- geo tagged information about hazards and evacuation route

(iii) Crisis mapping



Software 2

- geo tagged reports and photos from field

(v) Data Mgt. using GIS at the local government





SMS works with Weak Signal







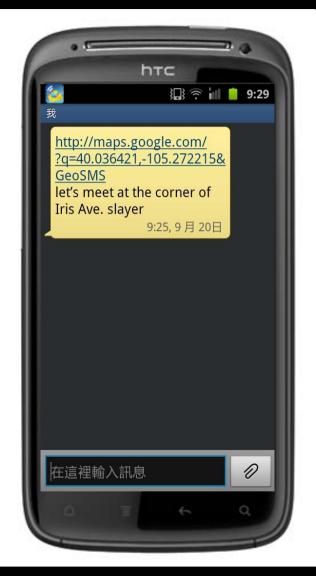




Open GeoSMS



Something about Open GeoSMS





- Location-tagged SMS
- Work simply with SMS infrastructure
- Applied to Commercial and Humanitarian Market



Open GeoSMS for Roadside Assistance





Open GeoSMS with Sahana



Login/Register

Preferences Help/Guide About Trac Register

Wiki

Timeline

Roadmap

View Tickets

Up Start Page Index History

Last modified 13 months ago

Search

Search

wiki: UserGuidelines / Messaging / Parser

MESSAGE PARSING USER GUIDELINES

SETTING UP A TWILIO ACCOUNT

- 1.Register for an account on http://twilio.com. Click on the Get Started button to get a free account.
- 2. Verify your mobile phone number. Remember you will only be able to send free outbound messages to verified numbers only.
- 3.Twilio will provide you with a free Incoming Number.Keep the number safe with you.Click on **Get Started**.
- 4. Now, click on Go to My Dashboard.

5.The Dashboard will display the ACCOUNT SID and AUTH TOKEN. These will be used to configure your settings on

Eden.



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Message Parsing User Guidelines

Setting up a Twilio Account

Setting up Twilio on Eden

Sahana Android Client for Reporting Incidents

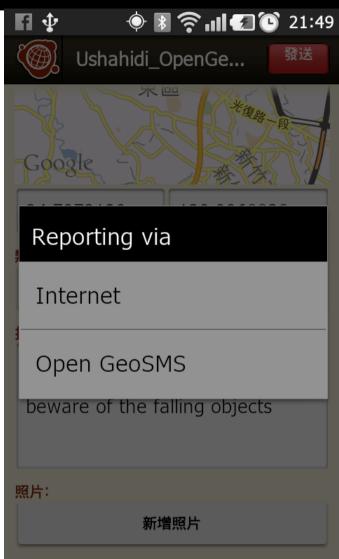
Responding to Deployment Requests (IRS Dispatch)

See Also



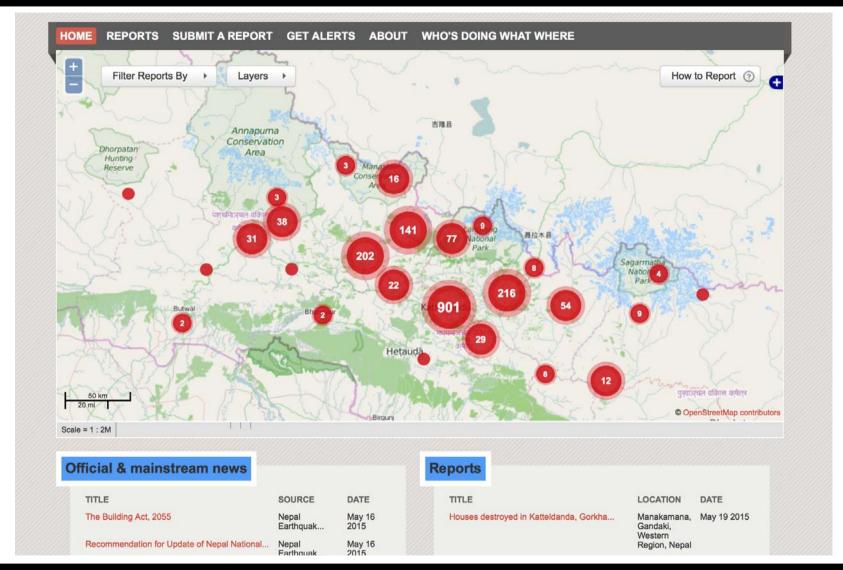
Open GeoSMS with Ushahidi





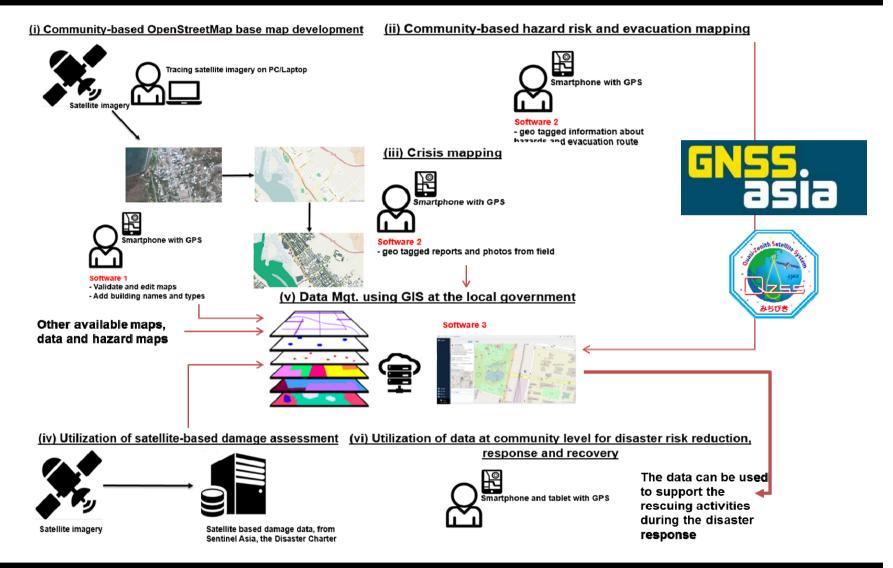


QuakeMap.org with Ushahidi 2015





ICT to Strengthen Disaster Resilience





geoBingAn (発平安)

HeiAn 平安, Disaster and Emergency Information Coordination Platform

With the MOU between National Institute of Information and Communication Technology (NICT, Japan) and Industrial Technology Research Institute (ITRI, Taiwan), the first joint collaboration project start with the first spin-off social enterprise, GeoThings 究心公益科技, from ITRI.

HeiAn (学爱) is a crowdsourcing-based disaster information coordination platform for NGOs to get the latest status and request. It also allows NGOs to know other organizations activities and can dispatch task with location-lagged SMS. Resource management and coordination will be the next major feature to be delivered on HeiAn. With the mission and vision of a social enterprise, GeoThings will keep working on humanitarian ICT for the support of international disaster response activities!



Features:

- Incident Report
- Integrated Disaster Information
- Data Filter
- Task Dispatch and Management
- Team/Organization Management
- Open GeoSMS support

Future Features:

- OSM Mapping Tool
- Advanced Visualization
- UAV Assistant



GeoThings in UN, WB, and GNSS











Now also looking for Horizon 2020 Partners





Harmonize the Needs and Contributions

GeoThings, the Humanitarian ICT