Earth Observation and Crowdsourcing Technologies serving Disaster Risk Reduction and Resilience Education

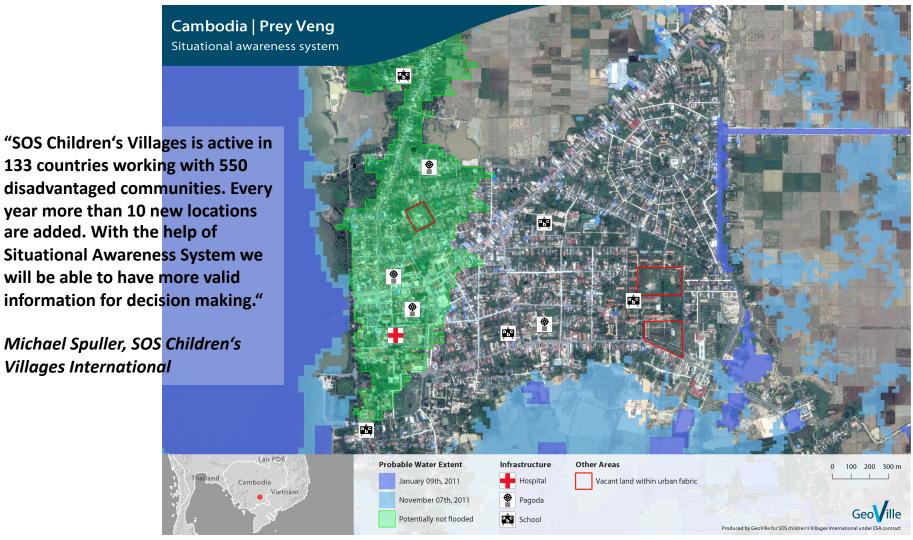


Refiz Duro, Kuo-Yu Chuang, and Christoph Klug

AIT Austrian Institute of Technology GmbH GeoThings Inc.

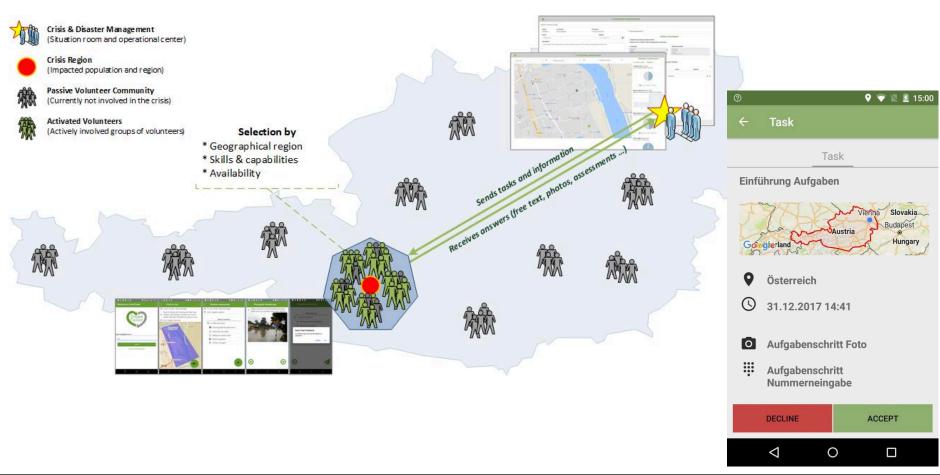
GeoVille Information Systems GmbH

Situational Awareness System by GeoVille

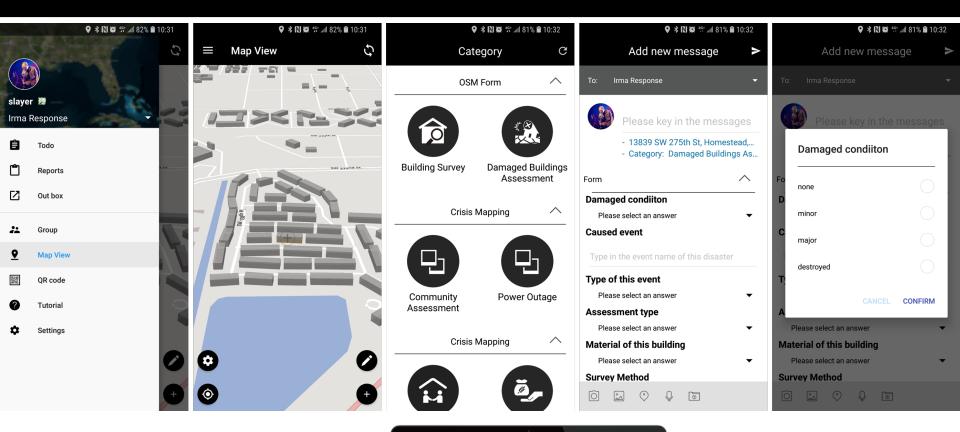




CrowdTasker by AIT (Austrian Institute Of Technology)



geoBingAn by GeoThings from Taiwan







QuinJunSAT: Crowd x Satellite Imagery



QuinJunSAT 群眾衛星計畫

Improved Situational Awareness during Crisis Events through integration of Crowdsourced Data with EO derived information

- 01 . Disaster strikes (e.g. Earthquake)
- 02 . Automatic damage assessment via satellite imageries





- 03 . Define tasks for Volunteers or Surveyors
- 04 . Assign tasks to Volunteers or Surveyors
- 05 . Receive field data from Volunteers or Surveyor (e.g. photos)
- 06 . Damage confirmed or disapproved
- 07 . Situational awareness increased due to crowdsourced field information
- 08 . Feedback results to step 2 for algorithm improvement machine learning algorithm











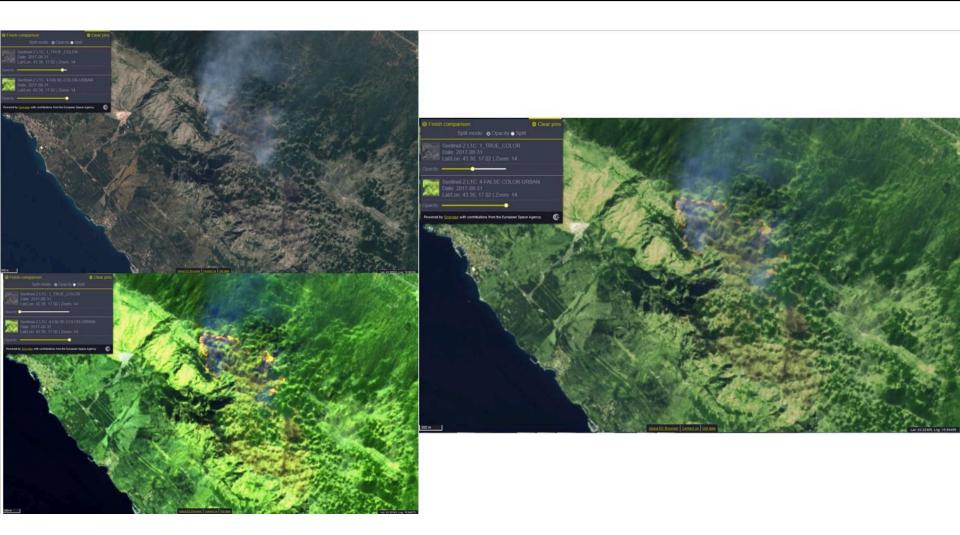
The developments described are carried out within the QuinJunSat research project which was funded by theAustrian Research Promotion Agenc (FFG) in the frame of the Research, Technology & Innovation (RTI) initiative "Beyond Europe".





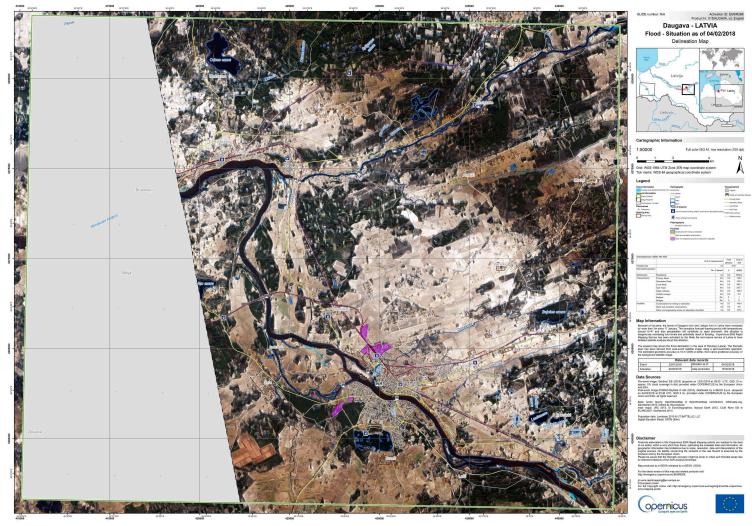


Satellite Imagery for Disaster Situation

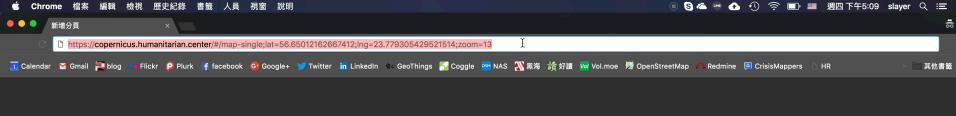




Copernicus Emergency Management Service









你已進入無痕模式

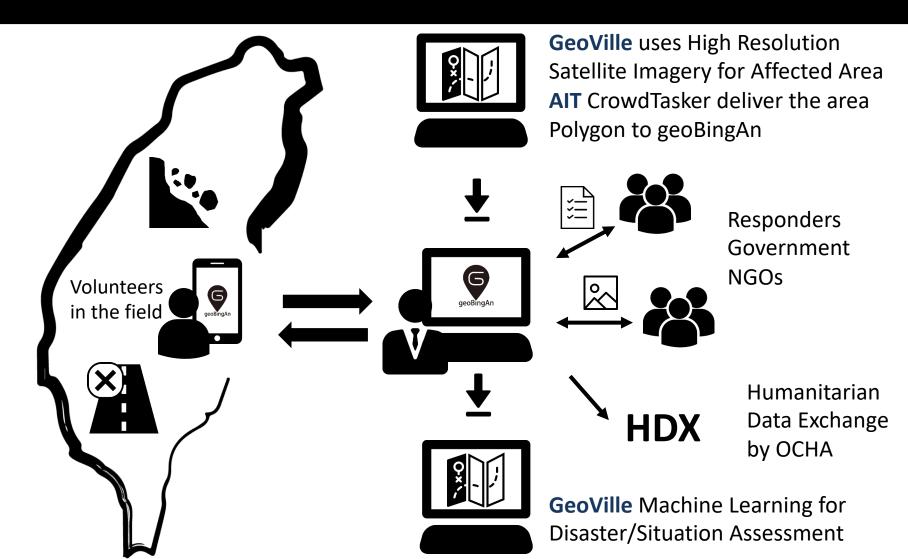
現在,你可以進行私密瀏覽了。共用這部裝置的其他使用者不會看到你的活動,不過,你下載的內容和新增的書籤仍會保留在裝置上。 瞭解詳情

Chrome 不會儲存下列資訊:

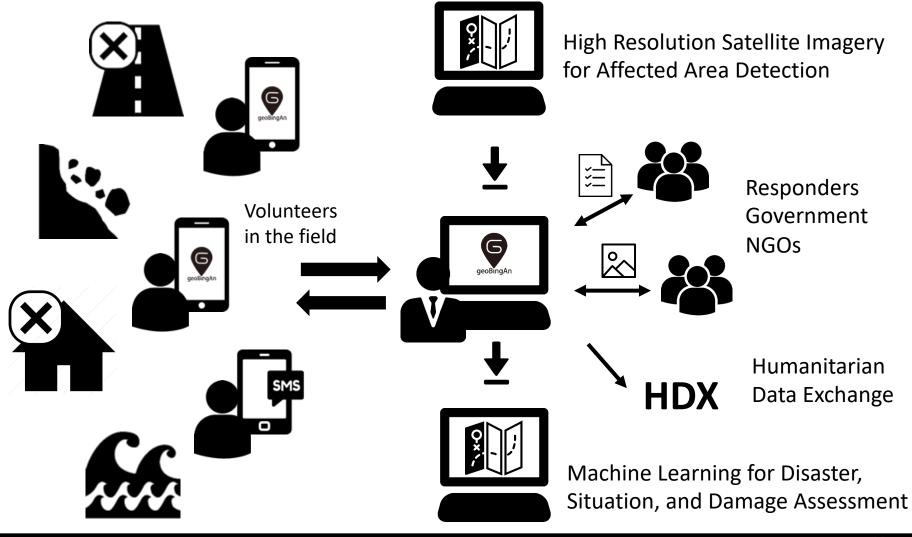
- 你造訪的網站
- 你的瀏覽紀錄
- 你的雇主或學校
- Cookie 和網站資料你在表單中輸入的資訊
- 你的網際網路服務供應商

以下各方**可能仍會看到**你的活動:

QuinJunSAT Drill at 921 (National Disaster Prevention Day)



Architecture



Damage Assessment by tasked volunteers

Use geoBingAn App to do disaster loss assessment



Take pictures, enter messages, fill the form, and send the report



All the information can be view by geoBingAn service





Introducing QuinJunSAT to Taiwan Girl Scouts











Introducing geoBingAn to Taiwan Girl Scouts

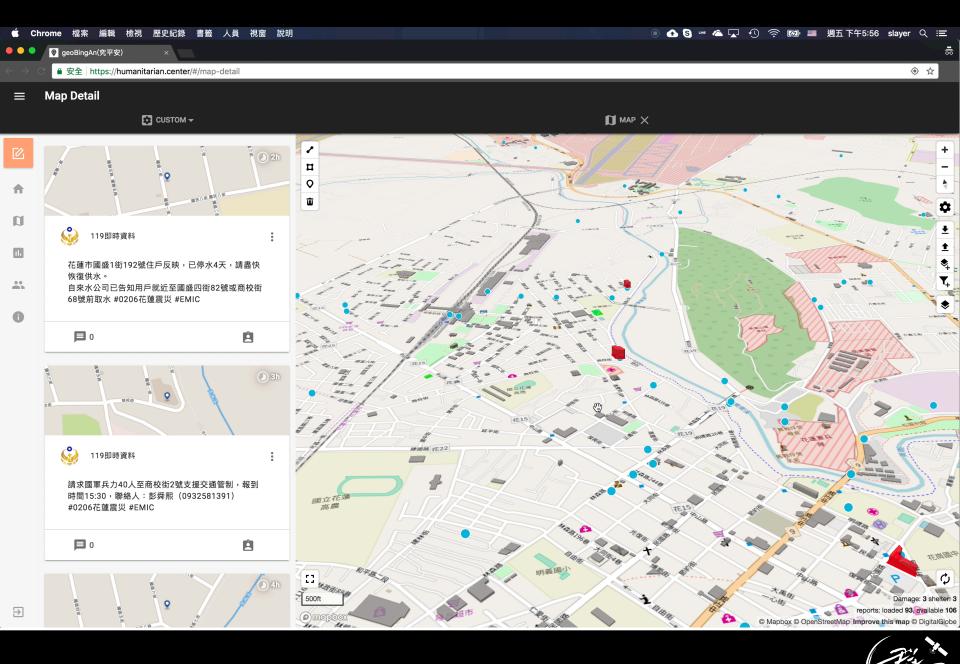




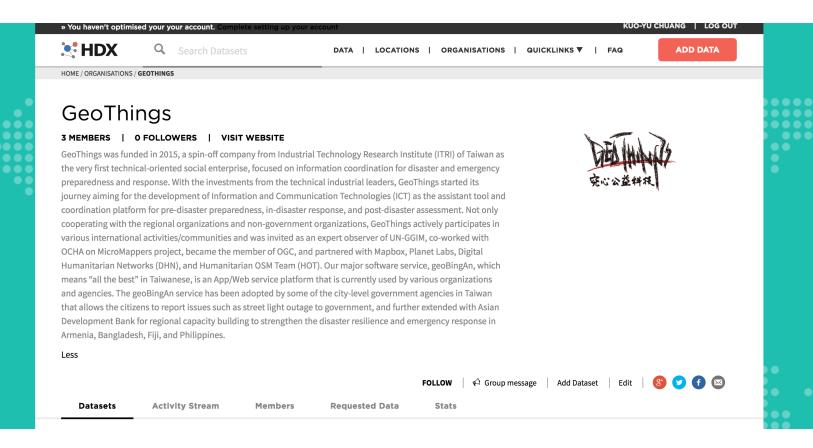
Introducing QuinJunSAT to community







Disaster Data for International Community







We look forward to your participation!

http://quinjunsat.info/survey

QuinJunSAT 群眾衛星計畫

