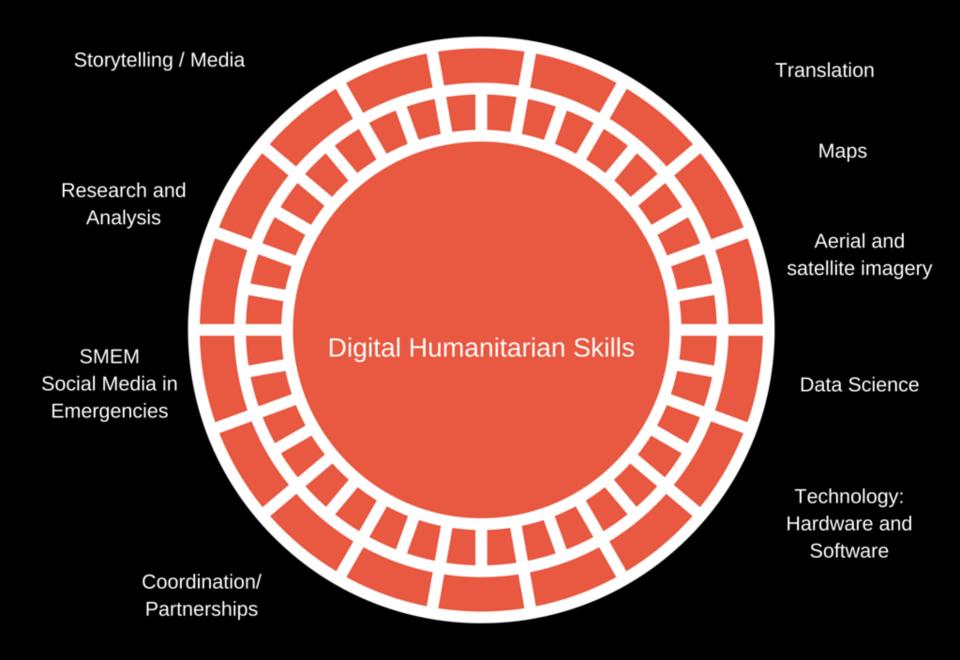
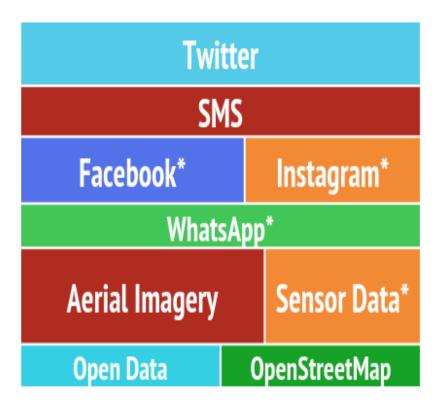
Digital Humanitarians in the Sky

Heather Leson October 13, 2015 EOScience 20 Frascati Italy





Social & Data Ecosystem



Social Computing can use a number of data formats to do research analysis. Social data can be used with physical and open data to provide insights.

*We seek to research these data types pending technology changes and data licenses.

Create infographics infogr.am



MicroMappers



Tag

Not Informative

Not Informative

Not Informative

Not Informative

Not Informative

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Download

N/A

Item

No more #RubePH thanks god

Other Relevant Informati: Typhoon #Hagupit Update: Elna's family safely return home as their evacuation centre is cleared MicroNappu

Other Relevant Informatic Response to #TixphoonHapupit in #Philippines, shows lessons learned from a year app @USEmb. MicroMapper

Other Relevant Informatic Typhoon Hapupit: report from the Philippines: Blog: Typhoon Hapupit: report from the Philippin MicroMappe

Other Relevant Informati: Philippine storm kills 27, but no damage to Manila | theSundaily http://t.co/e6ouifErFK via @sh: MicroMappe

Requests for Help/Needs Help those affected by twohoon #Hapupit. Give \$1 dollar towards recovery. https://t.co/v4YISCF MicroMappe

Other Relevant Informatic Philippines Official On Typhoon Hagupit: The Impacts Of Climate Change Are... http://t.co/Yoir MicroNapper

Infrastructure Damage Typhoon-battered islands heed lessons of Haivan: Southeast Asia http://t.co/Rop9jRis4I via @B MicroNappe

Other Relevant Informatic Super-storm Hagupit changes direction towards Spratly Island - VietNamNet Bridge http://t.co/ MicroMapper Other Relevant Informatic Philippines Prepares for Typhoon With Cancelled Flights http://t.co/uXcNVCtb9s #Skiftnews

Other Relevant Informati-Nice work from @yulsman http://t.co/YqYNCgUYM

Download Human-tagged tweets for all classifiers of this collection Format: 🔹 Spreadsheet (.csv) 💮 Single (SON object (.json) 💮 One (SON per line (.txt-json)

|| -| | Page 📋 of 502 | 🕨 🔰 | 🥭

WEDNESDAY I ú1ðD GoodBye #RubyPH őAőAőC 568 http://t.co/b9UD22HcU

'Kick polluters out of climate talks. We refuse a future where deadly storms are a..." http://t.co/ MicroNappe

ØsunsweetSA I know ed sheeran is a music man and typhoon hagupit is a typhoon, but other th MicroMappers

#Hagupit yet another reminder that all governments must ramp up efforts 2 cut their emissions. MicroMappers

I missed being on twitter. I've been away for 1 week due to Typhoon Hagupit that hit Eastern Vis MicroMapper

Aerial images of Philippine houses torn apart in aftermath of Typhoon Hagupit http://t.co/sijW MicroNappe

"We're out here in the Philippines. I'm so blessed to come out here to help this devastation" - Ju: MicroWapper

#EditorsPicks: Will and Kate, Colbert, Hagupit, & More ... Must see pics! http://t.co/pA8WbmSoN MicroMapper

"BIRCrewdotcom: "We're out here in the Philippines. I'm so blessed to come out here to help this MicroNapper

Action

Delete

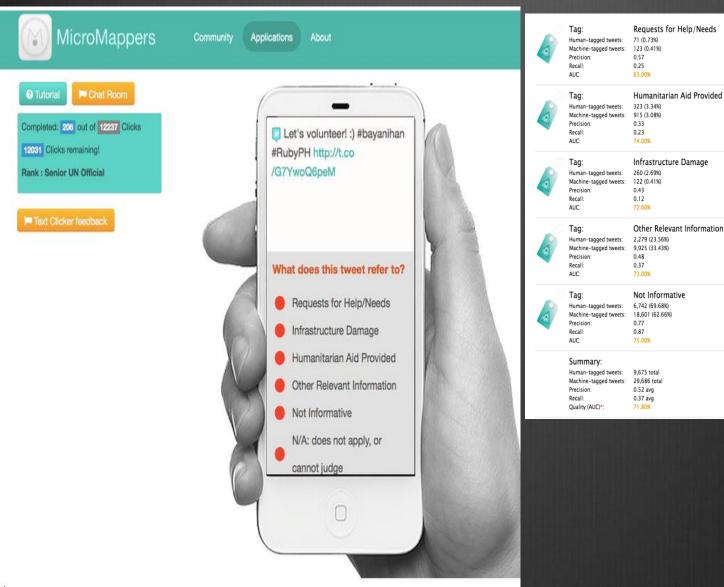
Delete

MicroWapp

MicroManne

Human-tapped tweets 1 - 20 of 10030

MicroWanne





MICROMAPPERS FOR NEPAL EARTHQUAKE RESPONSE (APRIL 2015)



2803

MicroMapper Contributors

234727

Number of images reviewed

旦 55044

Number of text items reviewed

💊 410

mage Map Marker count

💊 219

Text Map marker coun

UN OCHA requested help to provide social information insights and situational awareness in response to the Nepal Earthquake of April 25, 2015. The MicroMappers community lead by the Standby Task Force and the Qatar Computing Research Institute team collectively aggregated, curated and identified tweets and images about damage assessements and needs in Nepal. This will inform humanitarian decision-makers.

Thanks to the MicroMappers, Standby Task Force, QCRI Staff and UNOCHA. More on: MicroMappers.org

Timeline

2010 QCRI Created 2012 QCRI's Social Innovatior Programme

013

AIDR Development starts MicroMappers Development starts Uaviators Created Typhoon Haiyan Response with UN OCHA

MicroMappers - Coconuts for Computer Vision UNICEF AIDR SMS - Zambia Typhoon Hagupit Response

WoRDE prototype with Translators without Borders Cyclone Pam (Vanuatu Response) Nepal Earthquake Response

MICROMAPPERS IN ACTION

MicroMappers launched the Image and Text Clickers in response to Typhoon Hagupit (Ruby). These tools makes it possible for anyone to contribute. We provide curated images and text. The Mappers make decisions. Our team and partners provide the insights to UN OCHA.



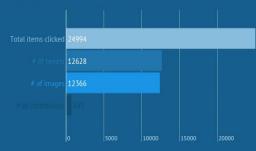
Ƴ 50394

Each tweet was reviewed 3 times by MicroMappers. So many clicks!

0 33377

Each photo was reviewed 3 times by MicroMappers. Click. Click.

Here are the unique statistics for the MicroMappers Typhoon Hagupit (Ruby) Deployment:



Thank you to the all the MicroMappers, Standby TaskForce, GIS Corps and $\underline{Q}\text{CRI}$ colleagues. Well done!

Aerial Sensors



Unmanned Aerial Systems

HUMANITARIAN UAV NETWORK









Young Mappers in Indonesia, Bangladesh and the United States of America



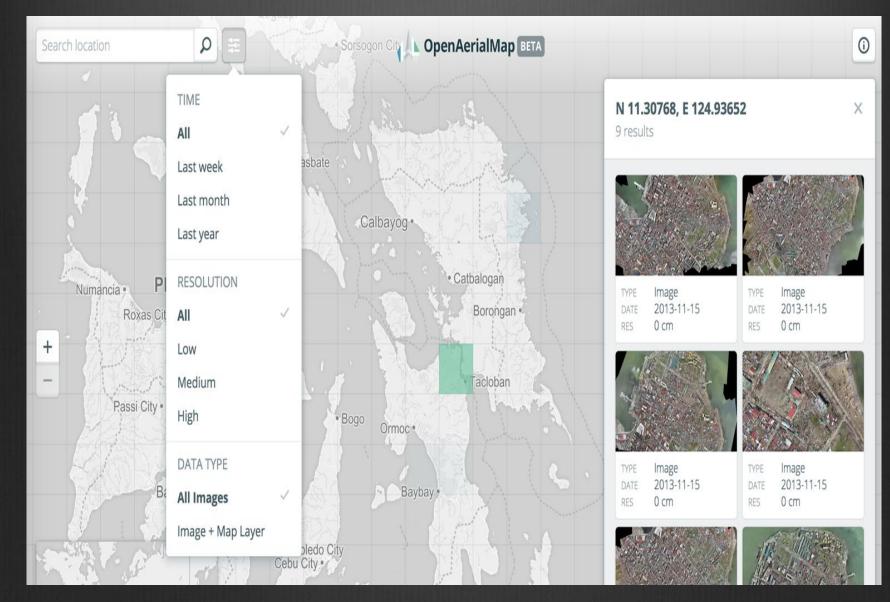
Kathmandu Living Labs – civic tech hubs & labs support resilience

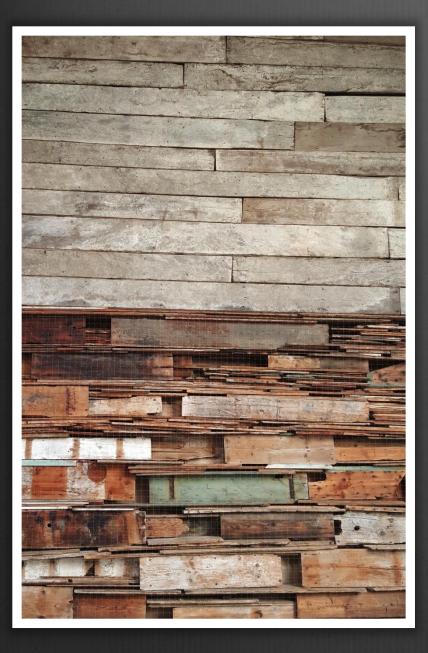


Partnerships and Coordination



OpenAerialMap





Open Aerial Data Pipeline

Data Collection – Satellite & Aerial Data Processing – manual, tools

MACHINE LEARNING

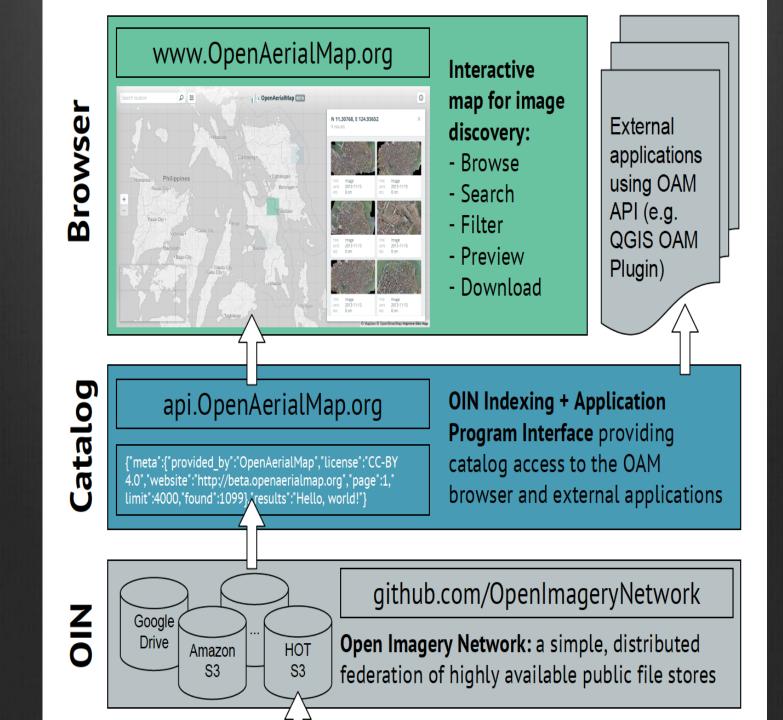
Data Filtering – MicroMappers/Pybossa Data Tasking/Mapping – Task Manager

HUMAN COMPUTING

Data Validation – Tier Tech Support or automated?

Data Analysis / Monitoring and Evaluation

MORE RESEARCH







Citizen cartographers are helping earthquake efforts by mapping roads & open spaces: b-gat.es/11bMilH



1:35 AM - 5 May 2015

Reply to @BillGates



معهد قطر لبحوث الحوسبة Qatar Computing Research Institute

عضوفي مؤسسة قطر <u>Membe</u>r of Qatar Foundation ص.ب. PO.Box 5825 برج التورنيدو, الطابق ۱۸ الخليج الفربي, الدوحة - قطر West Bay, Doha - Qatar +9VE 2606 •٦٢٩ هاتف ٦٢٩ +974 4454 0629 +9VE 2606 •٦٢٩ فاكس ٣٠٠

www.qcri.qa

Thank you

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