



SahanaCamp
Participation
This is the 10th year
of the camp. It has
been a great success
and we are proud to
have so many people
participating.

SAHANATW

SAHANATW

marr

marr.tw @ gmail.com

July 27, 2010



從第一張骨牌到今天的台灣Sahana資訊救災平台發展論壇

twitter

Home Profile Find People Settings Help Sign out

起來！不願坐視政府擺爛的技客！
Sahana 是自由、開源的災害管理系統，
 讓非政府組織(NGOs)跟相關政府單位可
 以一同來協助災民。可用於失蹤協尋，
 物資管理，義工管理。示範網站：
<http://demo.sahana.lk/> #taiwanfloods

9:51 PM Aug 10th, 2009 via TwInbox

Delete



PowerOp

我們都需要人氣

推到 Twitter!

推到 Plurk!

推到 Facebook!

相約大台北

(大台北都可以喔) (長期
 有效) 來個輕鬆的午餐聚會
 吧：[Just the 10 of Us](#)

許願池兼留言板

有問題？想啥啦？請[按我](#)

PowerOp @ Twitter

what am I doing...

最近在思考一個中文輸入的問題，
 常用到這個網站：
<http://bm.kdd.cc/index.asp> 在換
 漢字內碼，輸入法編碼查詢(一次
 查詢多個漢字輸入法編碼及內
 碼)——快典網

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9:51 PM Aug 10th, 2009 via Twinbox

[Reply](#) [Retweet](#)



PowerOp

twitter

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Reply Retweet



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10:24 PM Aug 10th, 2009 via Twitter for iPhone



ilya

Shih-Chieh Ilya Li

twitter

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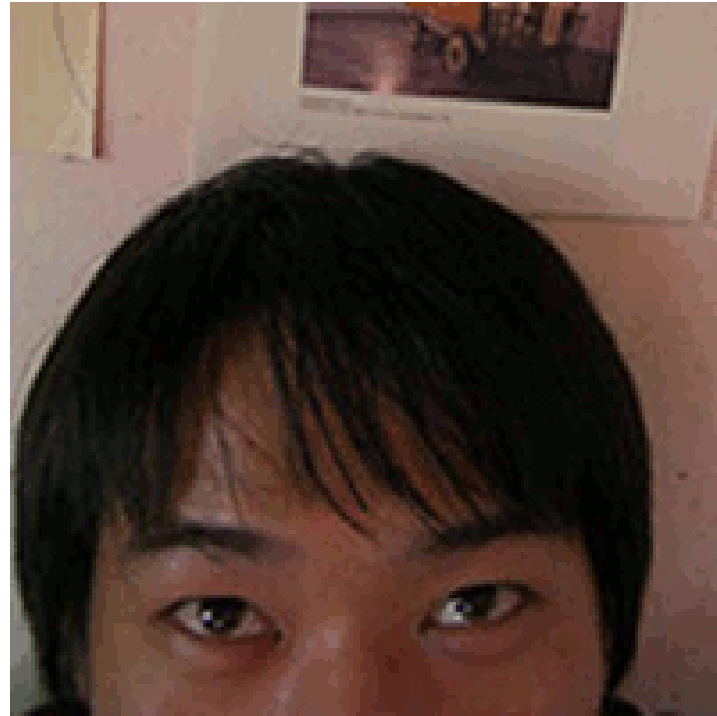
Shih-Chieh Ilya Li

開拓



Bob's Lightning Talk

- COSCUP 2009



retreat

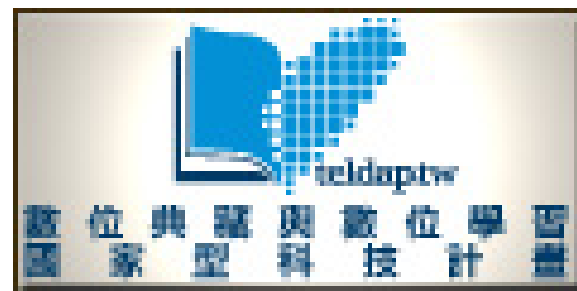


國家災害防救科技中心
National Science and Technology Center
for Disaster Reduction



財團法人資訊工業策進會
INSTITUTE FOR INFORMATION INDUSTRY

IBM®



88水災
服務聯盟

Sahana Taiwan



SAHANA 台灣
Disaster Management System 2010(夏)

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管理者：Sahana Taiwan Team
@ 中央研究院
資訊科技創新研究中心

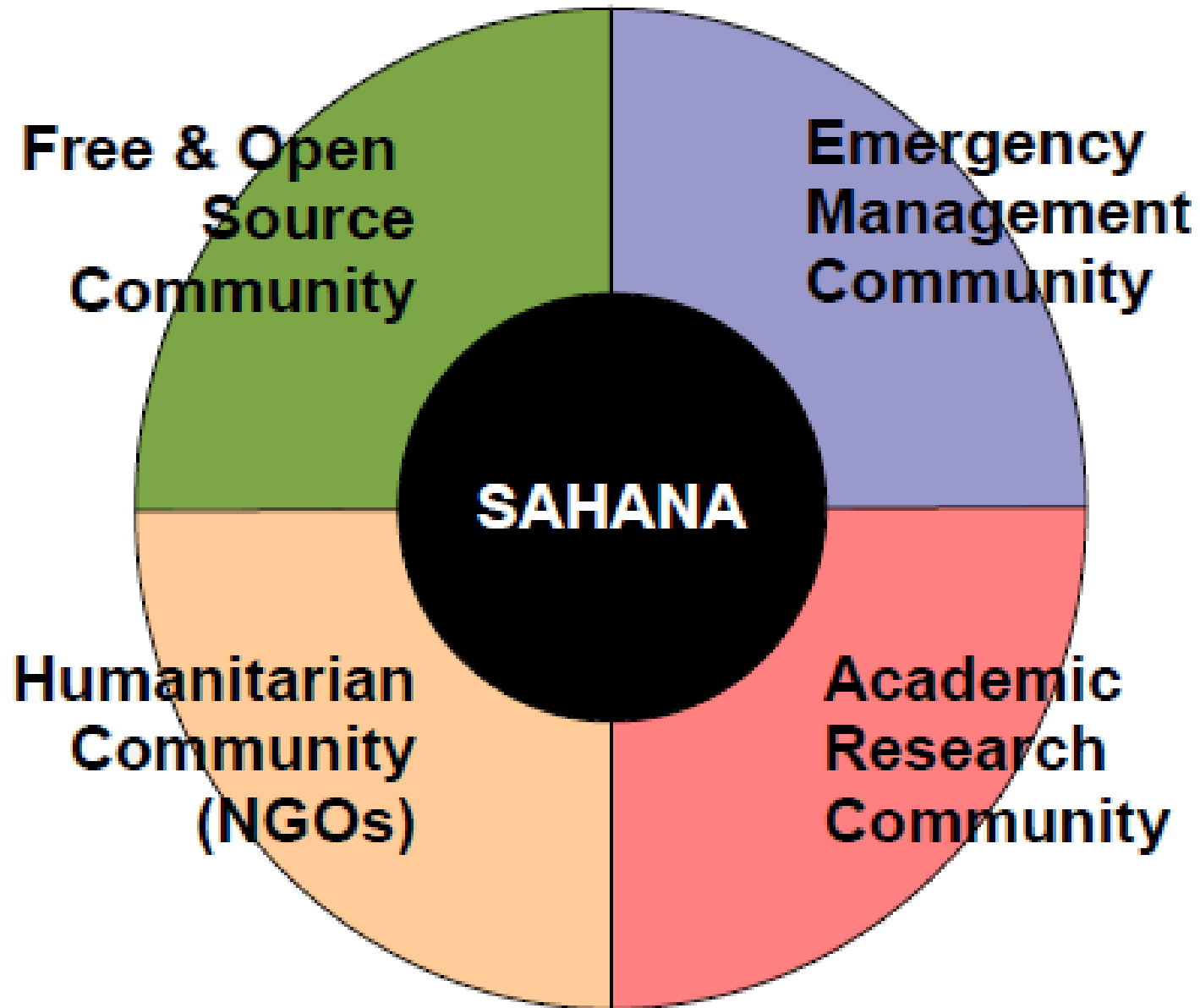
電子郵件：蕭景燈
<chsiao@citi.sinica.edu.tw>

電話：(02)27883799#1612

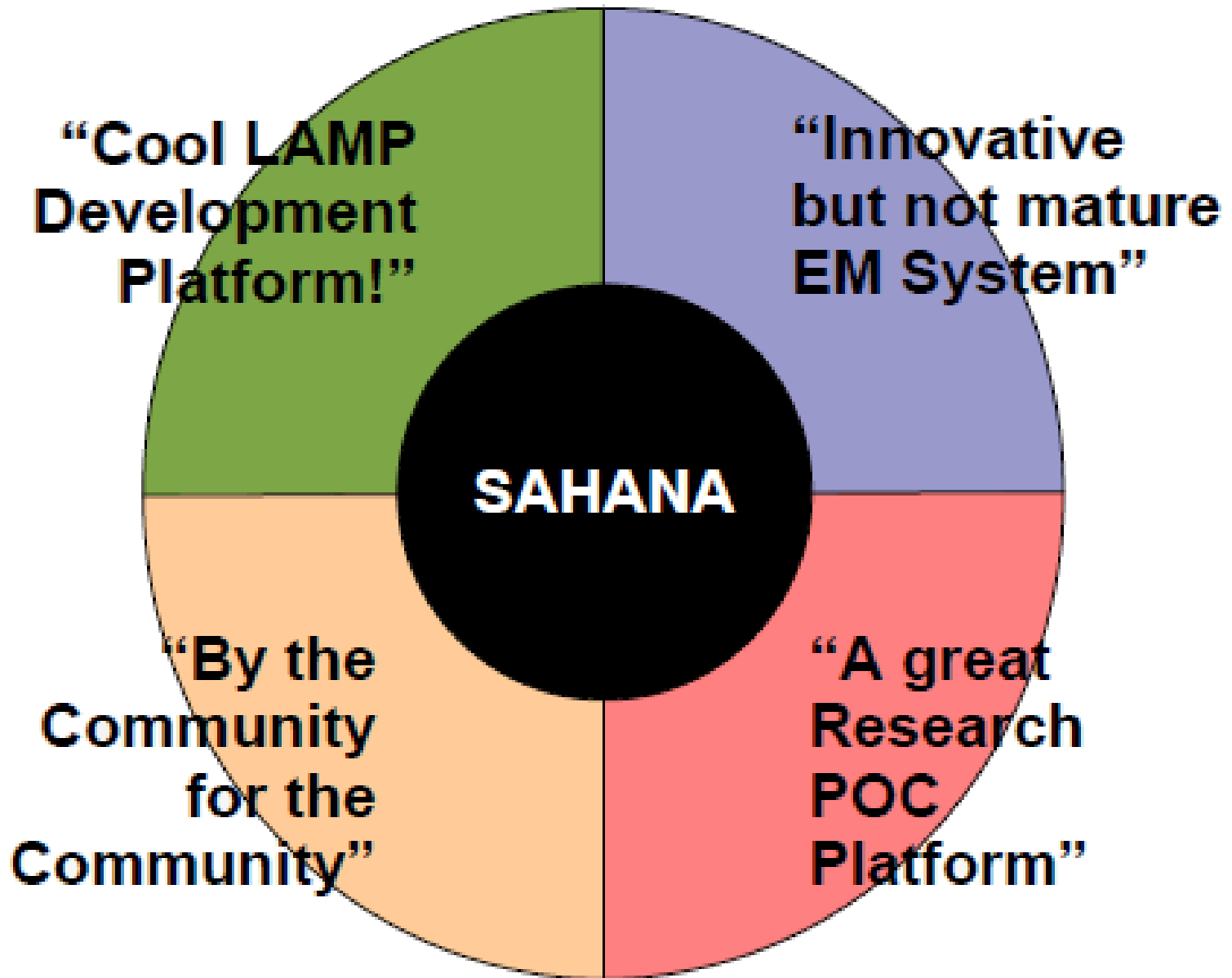
For the whole story, see

http://sahana.tw/about_us.html

The 4 Communities of Sahana



Perspectives of the Elephant



What's New ?

A Python based rewrite using MVC frameworks and highly-interactive Web 2.0 UIs.

Sahana Software Foundation

Agasti
(PHP)
LGPLv3

Eden
(Python)
MIT

Why a Rewrite ?

- The old code is hard to maintain and hard to integrate GIS and Messaging
- Using a framework allows to focus on the user-facing application.
- An experimental branch within the main project rather than a fork.

Haiti Response and Relief



Rapidly-changing Requirements

- Missing Person Registry
- Mapping
- Organization Registry
- Hospital Management
- Volunteer Registry
- WFP: Food Request Portal

PFIF

What is your situation?

[I'm looking for someone](#)

[I have information about someone](#)

Currently tracking about 55300 records.

PLEASE NOTE: All data entered will be available to the public and viewable and usable by anyone. Google does not review or verify the accuracy of this data.

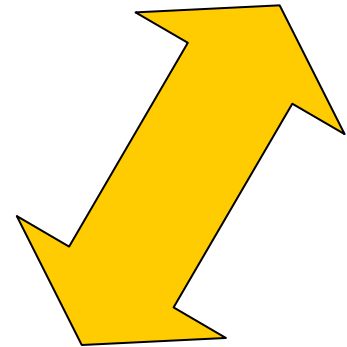
Haiti Earthquake People Locator
 A beta project of the U.S. National Library of Medicine
 Lister Hill National Center for Biomedical Communications

jean

Missing Found: Alive and Well Injured Deceased Unknow

[Embed this tool on your site](#) - [Developers](#) - [Terms of Service](#)

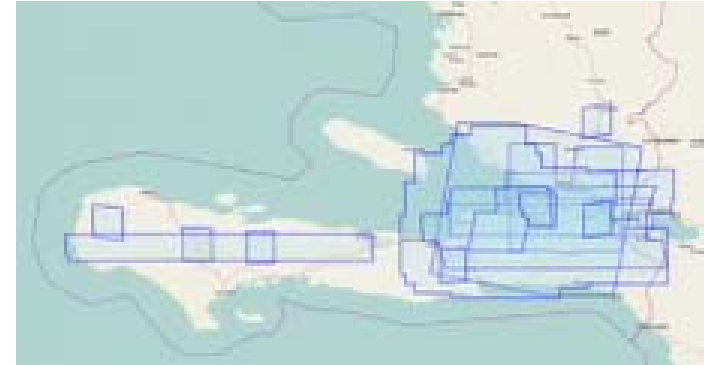
powered by



People
Finder
Interchange
Format

Mapping

- High-resolution Satellite Imagery (available 26 hrs)
- OpenStreetMap volunteers used this & old printed maps to quickly cover Port-au-Prince

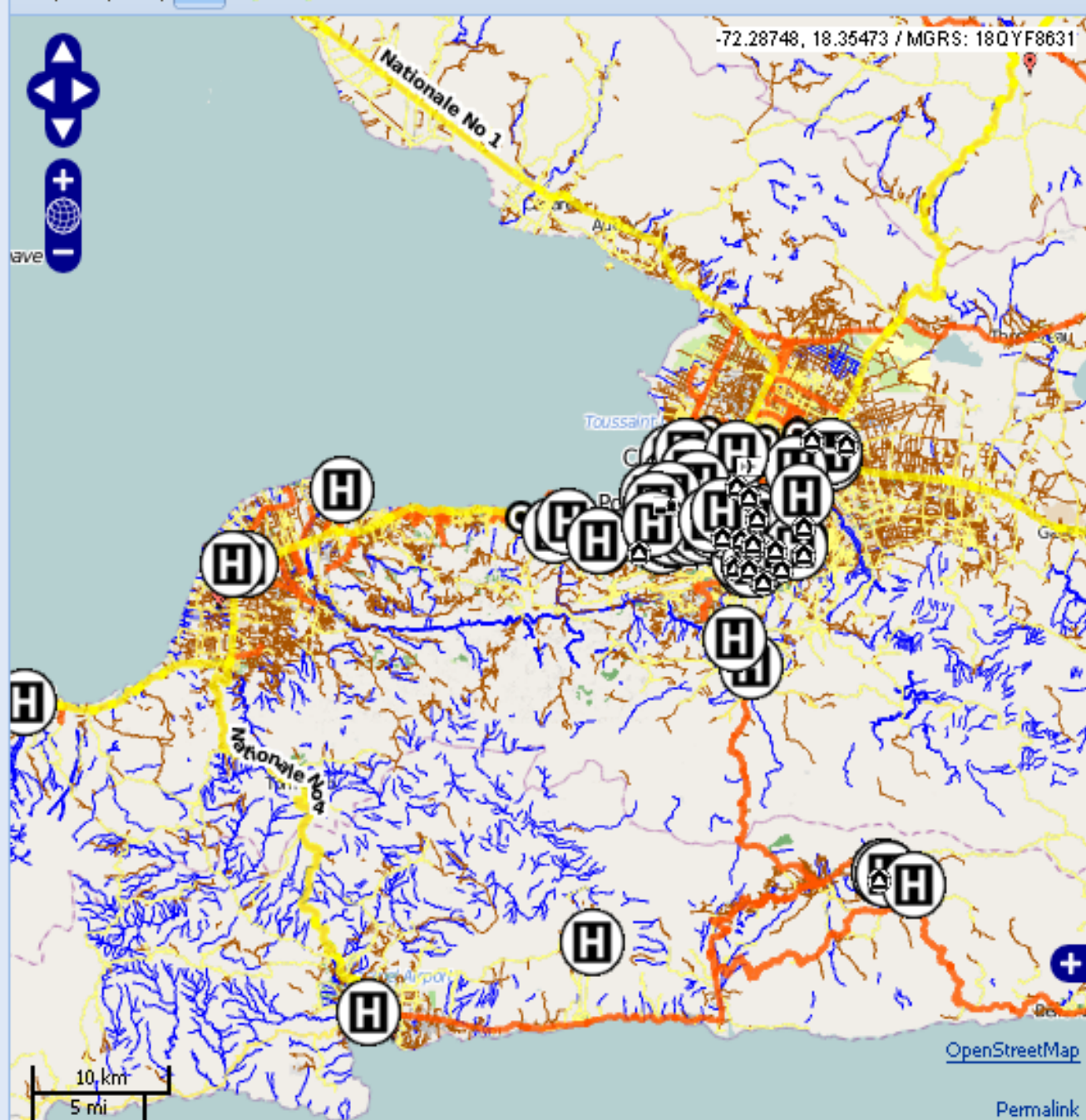


- These were made available as basemaps on handheld GPS



Layers

- Base Layers
 - OpenStreetMap (Haiti)
 - Port-au-Prince 1:12.5k Topos
 - Haiti TLM50
 - Digital Globe Imagery
 - Google Terrain
 - Google Hybrid
 - Google Maps
 - Google Satellite
 - OSM Mapnik
- Overlays
 - SMS_Alerts
 - Offices
 - Transport
 - OpenStreetMap (Overlay)
 - Hospitals
 - OSM Pol
 - Ushahidi
 - HealthMap Haiti



Mapping

+

SMS

+

GPS

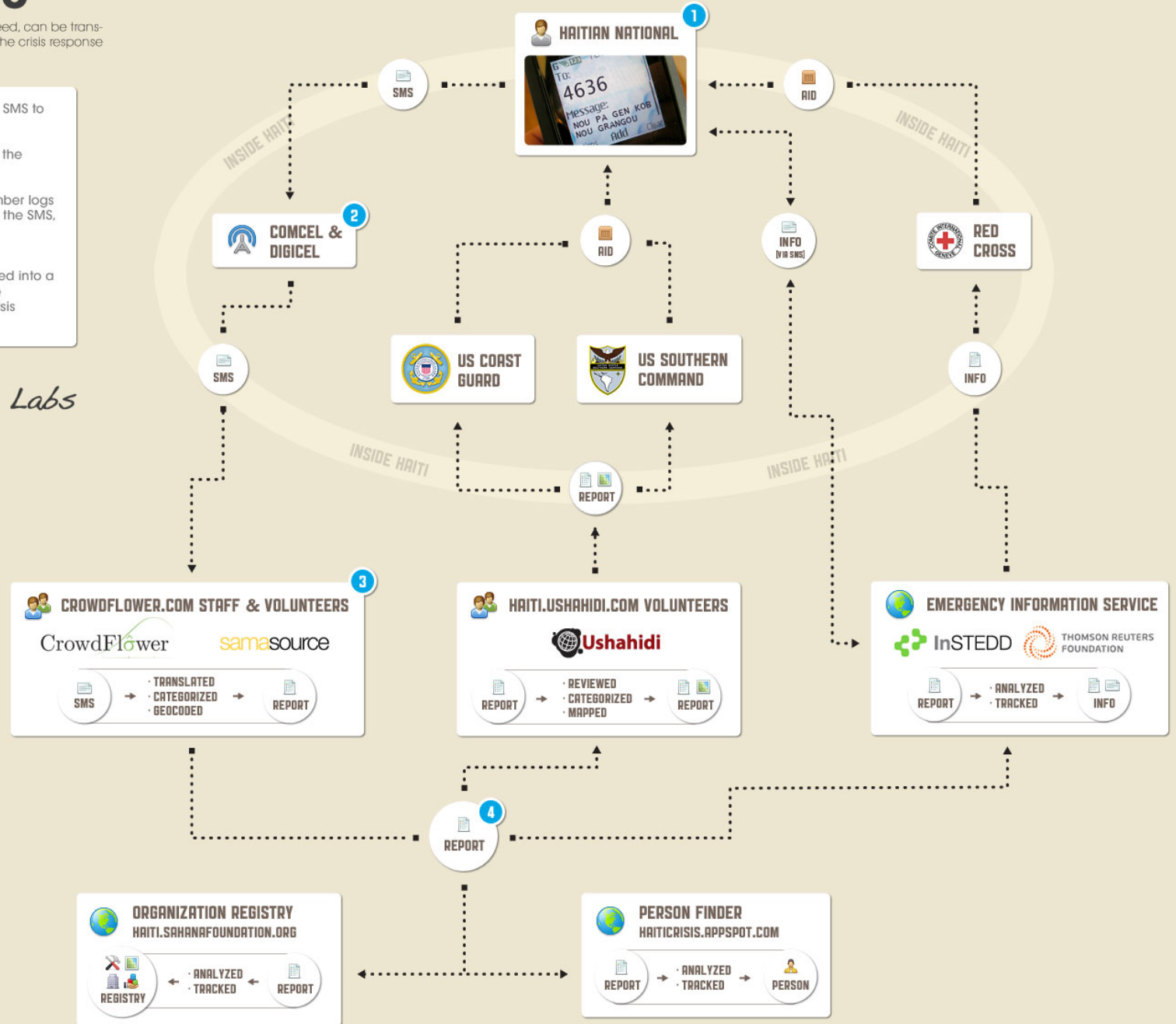


Project 4636

How a simple SMS, sent from a Haitian in need, can be transformed into a powerful resource that fuels the crisis response and recovery effort.

- 1 A Haitian with a need sends an SMS to the 4636 shortcode.
- 2 The SMS is then forwarded onto the crowdflower.com website.
- 3 A Haitian volunteer or staff member logs onto the website and translates the SMS, adding meta and geospatial information.
- 4 After translation, the SMS is turned into a Report that goes out to multiple organizations involved in the crisis response and recovery effort.

A product of  **Ushahidi Labs**



Deployment Perspective

- Select Modules according to the Response and Relief Needs
- Leverage the Experts and Volunteers
 - GPS / GIS / SMS / PFIF / Crowdsourcing
- Early Deployment helps Trust Relationship established

Eden Integration to Sahana Taiwan

The screenshot displays a GIS application window with the following components:

- Tools:** A toolbar at the top containing icons for navigation (pan, zoom in, zoom out), editing (draw line, draw polygon, draw rectangle), and other GIS functions.
- Layers:** A panel on the left side divided into two sections:
 - Base Layers:** Includes Google Maps, Google Satellite, OSM Osmarender, and OSM Mapnik.
 - Overlays:** Includes Vehicles, Projects, People, Offices, Hospitals, Programme, Transport, and Towns, all of which are checked.
- Search Geonames:** A search bar with the placeholder text "Search location in Geonames".
- Map:** A map of Taiwan showing major cities and transportation routes. Labeled cities include Keelung City, Taipei (Taibei), Sinidian, Jhubei, Maoli City, Fongyuan, Taipei, Changhua City, Nantou City, Douliou, Puzih, Sinying, Yongkang, Tainan City, Pingdong City, Fongshan, Taitung City, and Hualien City. A scale bar indicates 50 km and 20 mi.
- Bottom Right:** Includes a "Permalink" button and coordinate information: "120.73700, 23.31704 / MGRS: 5...".

Sahana Camp 1.1 Taiwan

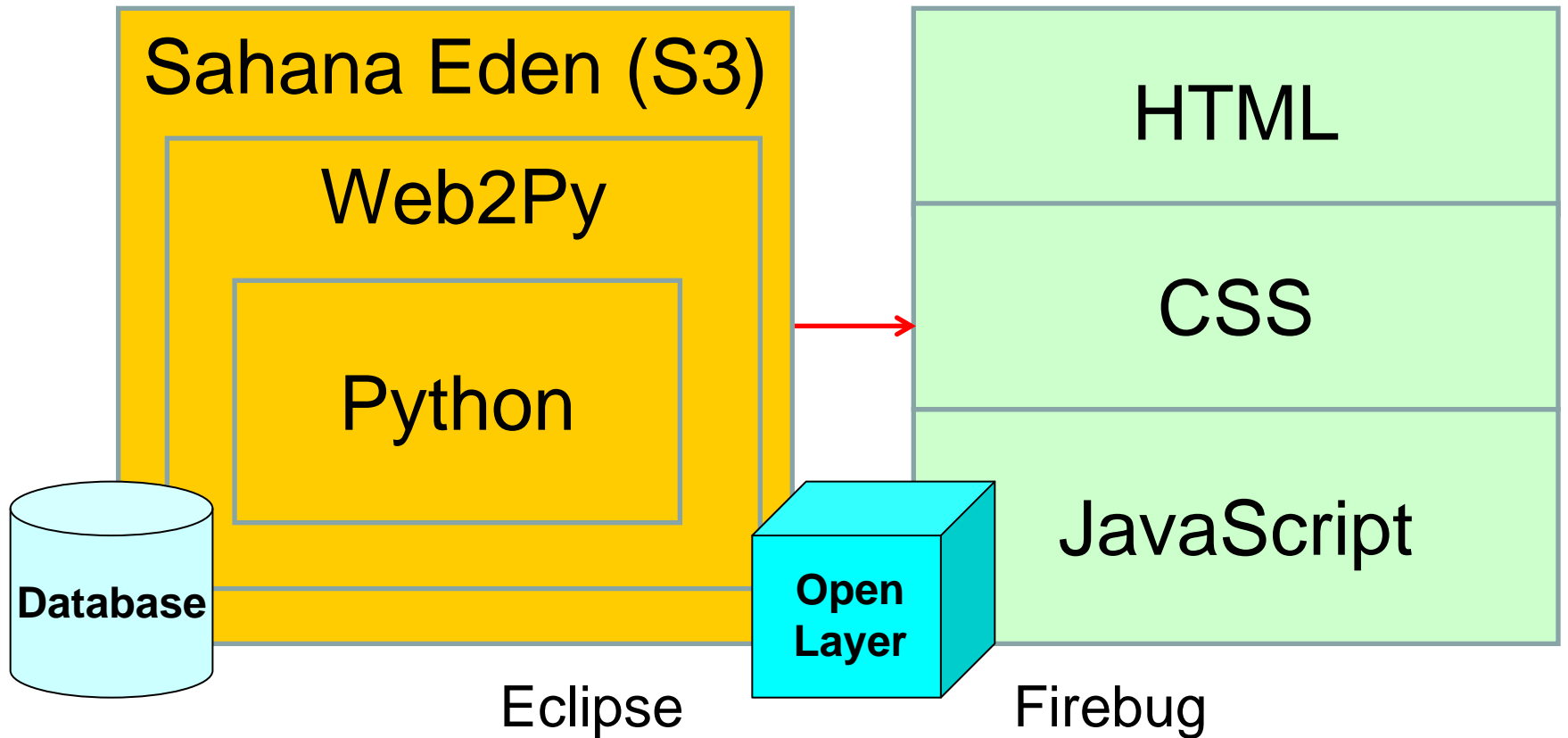


Michael Howden and Fran Boon

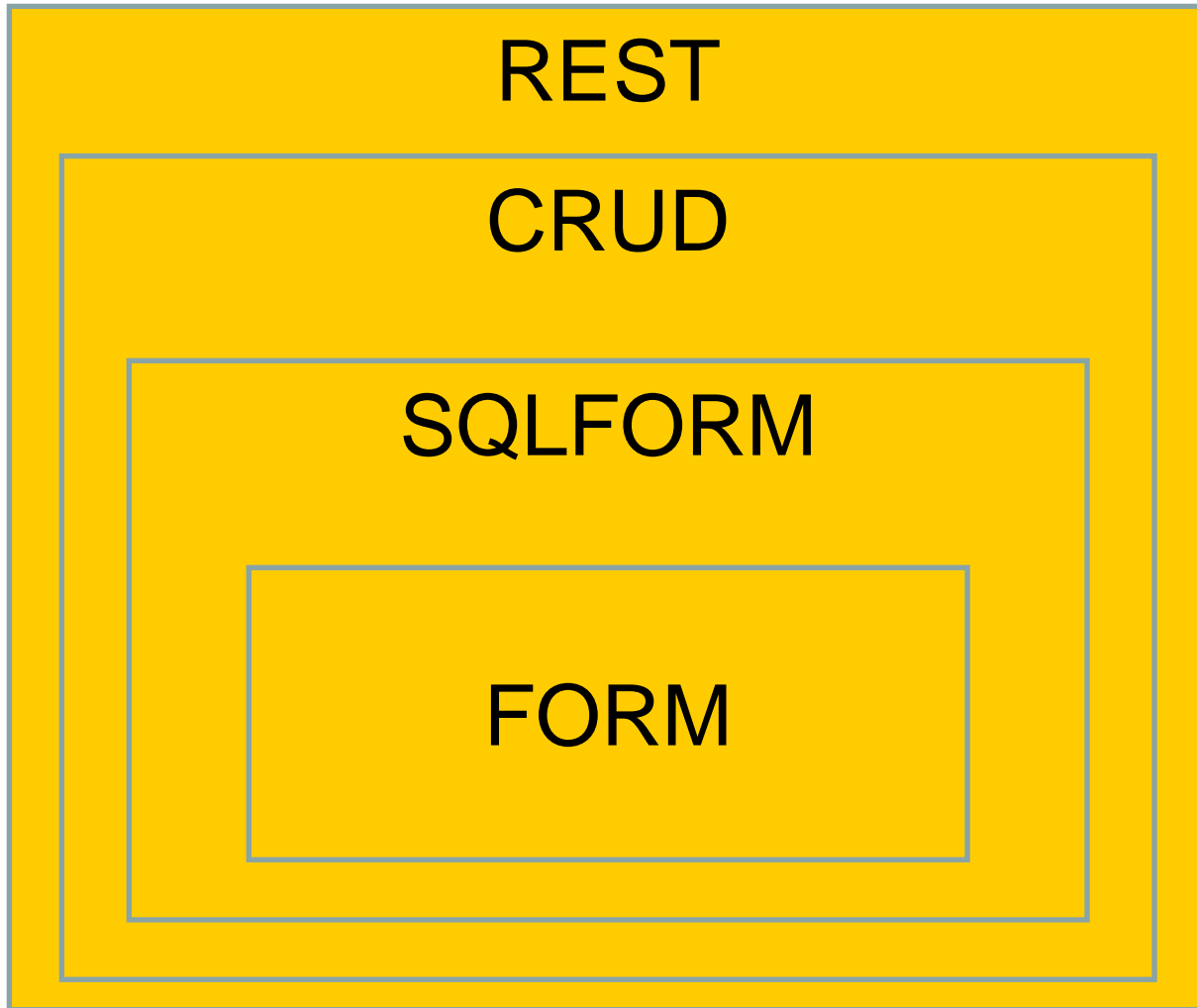
Sahana Eden Stack Overview

Server

Client Browser



S3 is Built on Web2py



Community-based Development



eden-tw

Overview

Code

Bugs

Blueprints

Translations

Answers

Bazaar branches owned by eden-tw

"eden-tw" team » **Code**

1 owned branch, **0** registered branches, **0** subscribed branches

0 active reviews or unmerged proposals

Branches with status:

Name	Status	Last Modified	Last Commit
 lp:~eden-tw/sahana-eden/taiwan	Development	24 hours ago	959. 修改 ABOUT THIS MODULE



Sahana SMS Android App



- Embeds GPS coordinates within SMS messages to Sahana
- Allows users to send and view data on maps
- Similar apps planned for other phones

Project-based Development

- Prioritized tasks assigned to team members
- Sponsorship from III and IBM
- Tasks
 - Auth/Role/Permission Integration for Agasti and Eden modules
 - Mapping Integration and Enhancement

How Can You Help

- Software Development and Deployment
 - JavaScript / Python / PHP
 - Linux / Apache / MySQL
- Promotion
 - Spread the words with Blog / Social Network
 - RSS / 串連小貼紙
- Testing / Simulation / Translation
 - Join the Mailing Lists

**It's your contribution to
make dreams grow great**

夢想因你的付出而偉大

Please contact us :

<http://sahana.tw/>

<http://groups.google.com/group/sahanatwpy>