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

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

Shih-Chieh Ilya Li
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10:24 PM Aug 10th, 2009 via Twitter for iPhone

iya
Shih-Chieh Ilya Li
Bob’s Lightning Talk

• COSCUP 2009
retreat
Sahana Taiwan

SAHANA Disaster Management System

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
<chhsiao@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

- Free & Open Source Community
- Emergency Management Community
- Humanitarian Community (NGOs)
- Academic Research Community
Perspectives of the Elephant

“Cool LAMP Development Platform!”

“By the Community for the Community”

“Innovative but not mature EM System”

“A great Research POC Platform”
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
Person Finder: Haiti Earthquake

What is your situation?

I'm looking for someone

I have information about someone

Currently tracking about 55000 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.

Embed this tool on your site - Developers - Terms of Service

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
Mapping + SMS + GPS
Project 4636

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
Sahana Camp 1.1 Taiwan

Michael Howden and Fran Boon
S3 is Built on Web2py

REST
CRUD
SQLFORM
FORM
Community-based Development

eden-tw

Bazaar branches owned by eden-tw

1 owned branch, 0 registered branches, 0 subscribed branches

0 active reviews or unmerged proposals

Branches with status: Any active status ▼ most recently changed first ▼

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<th>Status</th>
<th>Last Modified</th>
<th>Last Commit</th>
</tr>
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<td>Development</td>
<td>24 hours ago</td>
<td>959. 修 改</td>
</tr>
</tbody>
</table>
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