Open Source Disaster Management Software

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Regional Training Workshop in Asia and the Pacific: Sustainable Development and Disaster Risk Management Using E-Government

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Introduction

- Sahana Open Source Disaster Management Platform
- Helps organizations and communities prepare for and respond to disasters
- Started in Sri Lanka after the Indian Ocean Tsunami
- Deployed in over 25 countries
- Used by many different organizations including national and local governments, Red Cross and the UN.
How Does Sahana Help?

- **Directory** of organizations, offices and people to support communication and coordination

- **Incident management** sharing real-time information

- **Who’s Doing What Where (3W)** information to identify where there are gaps and overlaps

- Records what **resources** are available and where to support disaster

- Brings all information together in a single platform to provide **situational awareness**.
NEWS

RMS workshop will be held in Hanoi, Vietnam 8-10 November.

Field assessments feature under implementation.
Sahana’s Modules

The following modules can be deployed as needed:

- Organizations
- Human Resources
- Projects
- Demographic Data
- Assessments
- Risks
- Messaging
- Incidents
- Warehouses
- Shelters
- Assets
- Requests
- Donations
Sahana’s Features

- **Mapping**: All geographic data can be displayed on a map.
- **Authorization**: All data is controlled by configurable permissions which allow for granular access by user, organization or office.
- **Reporting**: All data can be filtered and represented on matrix reports, pivot tables and charts.
- **Data Integration**: Web Services via RESTful API. Data import/export to CSV, XLS, XML or JSON.
Using Sahana

- Licensed under the open source MIT License
- Anyone is permitted to download, install and customize Sahana
- You are encouraged to engage with the community and share your contributions

Resources & Community Support
- Wiki: http://eden.sahanafoundation.org
- Mailing List: http://groups.google.com/group/sahana-eden
Sahana Software Foundation

- US 501(c)(3) non-profit organization
- Supports the Sahana Community
  - Members from 12 countries
  - 15 Organizational Partners
- Provides services:
  - Customized deployment for Sahana software
  - Technical Capacity Development programs
  - User Training
  - Consultation
- Runs programs:
  - SahanaCamp Training Workshops
  - Sahana Training and Internship Program
The volume of data increases 50x each year
Over 2 million tweets about Typhoon Yolanda from November 7-13, 2013
Sahana strengthens disaster resilience
Visualize your risks and resources, infrastructure and activities

MAKE A MAP

Build your community's resilience

1. Education
   “Our community billboard gets over 30 postings per week!”

2. Partnerships
   “Our schools, clinics, ports, and shops have all gotten to know each other.”

3. Engagement
   “We’ve identified the people in our community who need special help.”

4. Self-sufficiency
   “We’re holding monthly first aid trainings and CERT workshops.”

SHARE YOUR STORY
Smart Phones

By 2020 80% of Adults will have a smartphone
Emergent Groups

Increasingly groups spontaneously emerge to play a role in disaster response.
SANDY RELIEF

WELCOME!

1. If you need help, see if anyone is in the #SandyRelief chat room, or email us.

2. Thank you for donating your time!
Businesses Emerging...

- Government Agencies
- Business
- Traditional Humanitarian Actors
- Employees affected by disaster
- Facilities affected by disaster
- Communities affected by disasters