

SAHANA

Because Disasters aren't Proprietary

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DIAMIN Workshop
University of Colombo

“No innovation matters more than that which saves lives”

Avelino J. Cruz, Jr., Secretary of National Defense, Philippines, on the use of Sahana that was deployed in the aftermath of the disastrous mudslides in the Philippines, 2006

PROBLEM

- The Trauma caused by waiting to be found or find the next of kin
- Coordinating all aid groups and helping them to operate effectively as one
- Managing the multitude of requests from the affected region and matching them effectively to the pledges of assistance
- Tracking the location of all temporary shelters, camps etc

SAHANA

- Disaster Management System
- System to manage disaster aftermath
- Web based portal
 - with sub applications
 - built to address coordination and collaboration problems
 - between civil society, government, private sector, volunteers and victims

Core Modules

Organization Registry

Helps maintain data (contact, services, region, etc) of organizations, groups and volunteers working in the disaster

The screenshot shows the 'Organization Registration' form in the SAHANA Disaster Management System. The form is titled 'Organization Registration' and includes a note: 'Fields marked with * are required (entry is compulsory)'. The form fields are as follows:

- * Organization Name :
- * Organization Type :
- * Services Provided :
- Base Location Information
 - * Country of Origin :
 - Registration Number :
 - * Province :
 - * District :

The left sidebar contains a menu with the following items: Home, Register, Organization, Volunteer, View, Organizations, Volunteers, Reports, Drill down by Location, Organizations by Sector, Search, SAHANA MAIN, Sahana Home, Camps Registry, Missing Person Registry, Organization Registry, Request Management System, and Done.

Missing Persons / Disaster Victim Registry

Helps track and find missing, deceased, injured and displaced people and families

The screenshot shows the 'Missing Person Registry' in the SAHANA FOSS Disaster Management System. The form is titled 'Missing Person Registry' and includes a note: 'Key: Fields marked with * are required (entry is compulsory)'. The form fields are as follows:

- Basic Search
 - Any Card Number :
 - Any Name :
 - Next

The table below shows the results of the search:

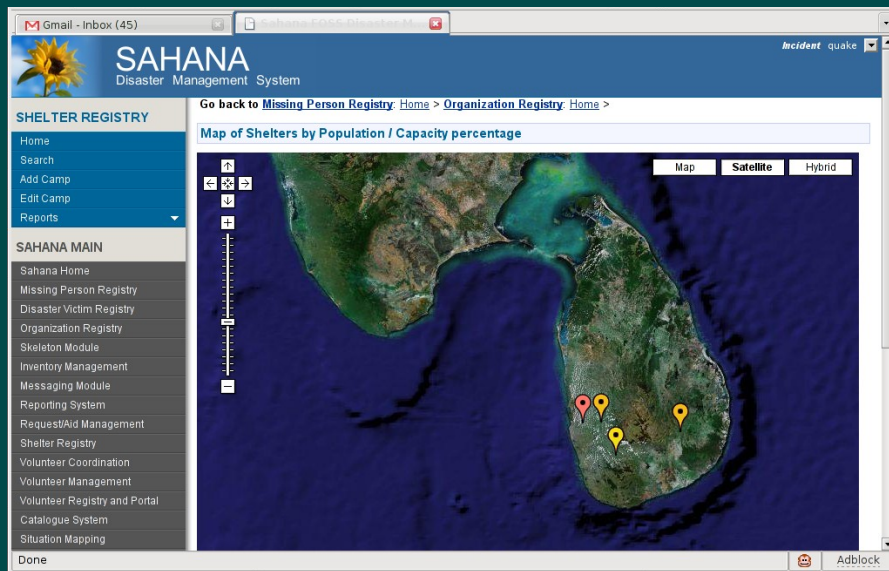
Picture	Name	Appearance	Missing Details	Status
	Master Yoda Yoda	Height : .66 Meters Weight : unknown Eye Colour : Light Brown Skin Colour : Other Hair Colour : Other	Last Seen : swamp planet of Dagobah	Missing Click to change to found
	Yoda Cartman Yo Cartman	Weight : infinity Eye Colour : Black Skin Colour : White Hair Colour : Unknown	Last Seen : south park Comments : Really fat	Missing Click to change to found
	Bart Maul Simson			

The left sidebar contains a menu with the following items: Home, Search for a Person, Report a Missing Person, Edit a Missing Person, Report a Found Person, SAHANA MAIN, Sahana Home, Camps Registry, GIS Mapping, Missing Person Registry, Organization Registry, Request Management System, System Administration, Login, User Name, Password, Login, and Done.

Core Modules ...

Request Management System
Tracks all requests and helps match pledges for support, aid and supplies to fullfilment

The screenshot shows the 'Request Management System' interface in a Mozilla Firefox browser. The page title is 'SAHANA Disaster Management System'. The left sidebar contains a menu with 'RMS MODULE ACTIONS' (Home, Requests, New Request, List All Requests, Search Requests) and 'SAHANA MAIN' (Sahana Home, Camps Registry, GIS Mapping, Missing Person Registry, Organization Registry, Request Management System, System Administration). The main content area is titled 'Request Management System' and contains a 'New Request' form. The form fields are: Request Date (2006-05-06), Requester Name (chamindra), Requester Contact (0777883832232), Requester Address (empty), Site Name (empty), Site District (Colombo), Site Address (empty), and Comments (empty). The bottom of the browser window shows the status bar with 'Done', 'PageRank', 'Alexa', and 'Adblock'.



Shelter Registry
Tracks data on all temporary shelters setup following the Disaster

technology

- FOSS
- LAMP
- Synchronization
- Web Services
- Messaging
 - XAMPP, CAPS
- PDA/Mobile Accessibility
- LiveCD, LiveUSB
 - Sahana Live
 - Sahana on a Stick

Localization

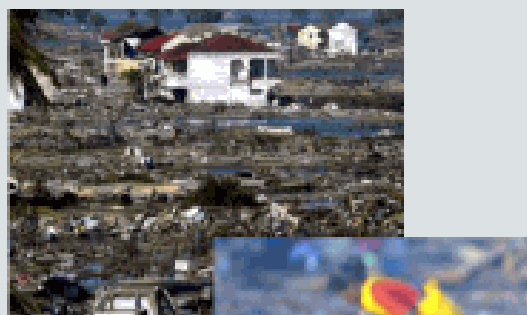
Sahana 巴基斯坦亚洲地震

跃迁对: [内容](#) | [模块菜单](#)

Sahana 扼要

- [Sahana 家庭](#)
- [阵营登记](#)
- [失踪者登记](#)
- [组织登记](#)
- [请求管理系统](#)
- [系统管理](#)

欢迎到 Sahana



**SAHANA**
Disaster Management System

[Saut à Contenu](#) | [Menu De Module](#)

FORCE DE SAHANA

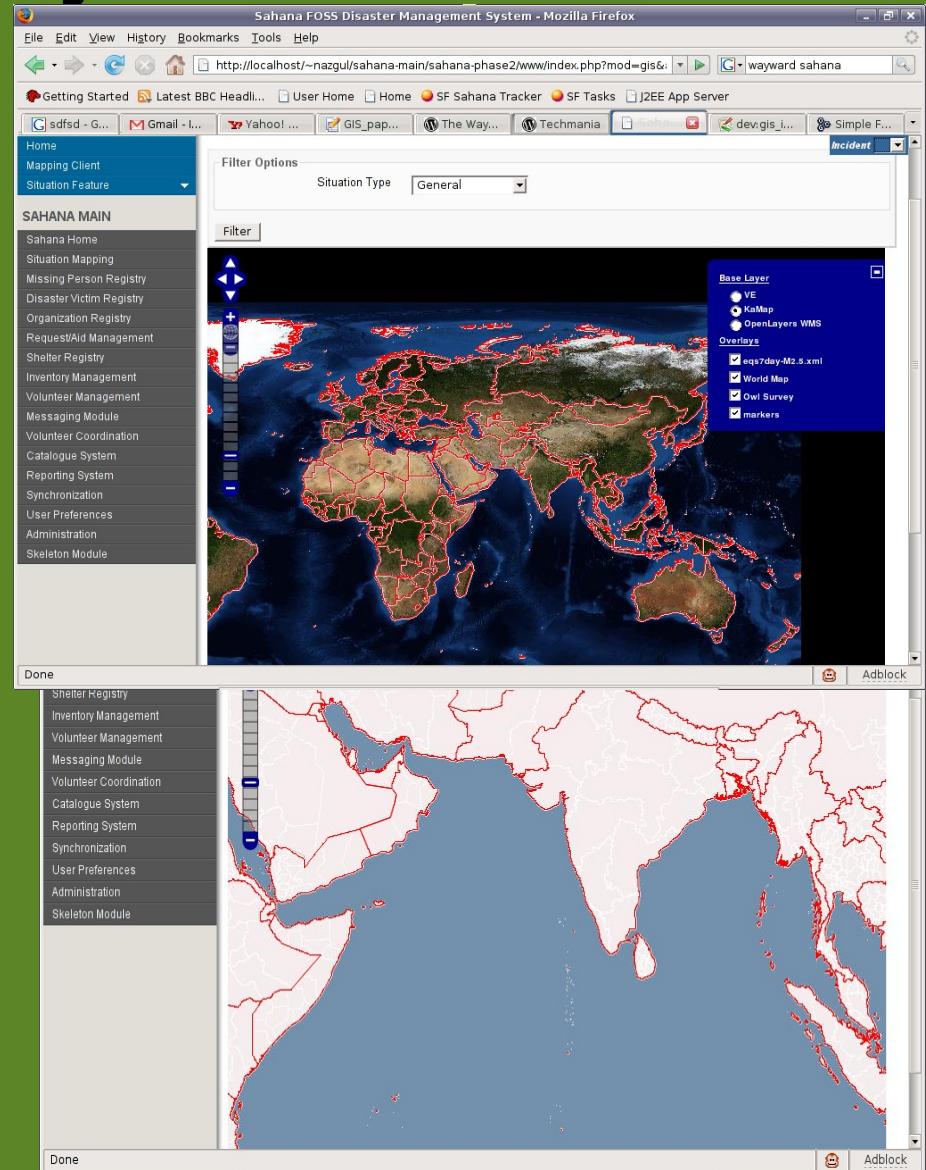
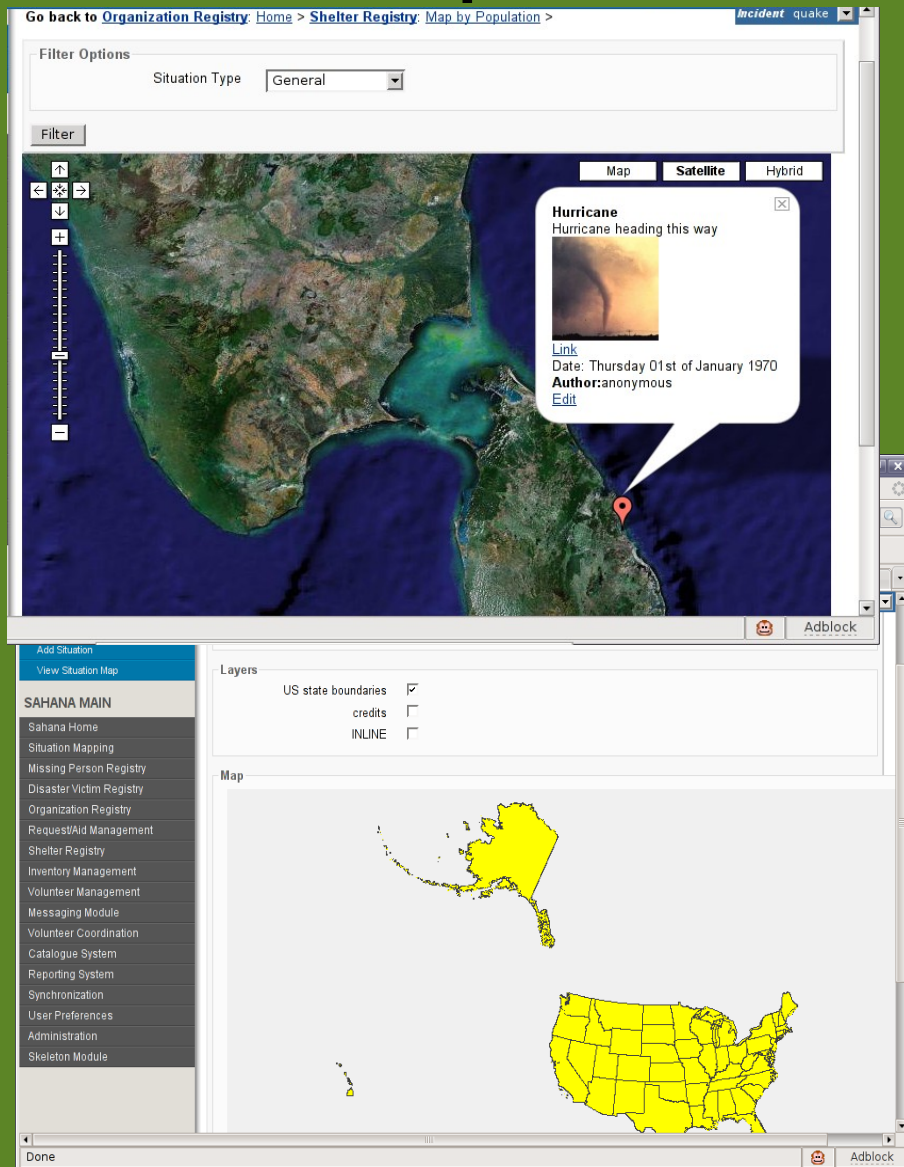
- Sahana À la maison
- Enregistrement De Camps
- Enregistrement De Personne Absente
- Enregistrement D'Organisation
- Système De Gestion De Demande
- Administration De Système

Bienvenue à Sahana

Sahana est un système de gestion ouvert de désastre de source qui traite les problèmes principaux suivants pendant un désastre:

- Efficacement signalant et conclusion des personnes absentes. (employez l'enregistrement de personne absente)
- La coordination et l'équilibrage de la distribution des organismes de soulagement dans les secteurs affectés et relier le soulagement groupe leur permettre de fonctionner en tant qu'un (employez l'enregistrement d'organisation)
- La enregistrement et le cheminement de toutes les demandes entrantes d'appui et de soulagement jusqu'au fulfillment et aider des donateurs se relient aux conditions de soulagement (employez le système de gestion de demande)
- En déplaçant l'endroit et les nombres de victimes dans les divers camps et les abris provisoires installez tous autour du secteur affecté.

Spatial Analysis and GIS



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DIAMIN Workshop, UCSC

Deployments

- CNO, for Tsunami in Sri Lanka – 2005
 - Officially deployed and tracked ~ 26000 families
- NADRA, for Asian Quake in Pakistan – 2005
 - Officially deployed and integrated to NADRA (Pakistan Government) to track all victims
- For Landslide disaster in Philippines– 2005
 - Officially deployment to track all victims,orgs,camps by Government

Deployments...

- Pre-deployment in Sarvodaya, Sri Lanka
 - Customization for Sahana requirements
- Pre-deployed independently in Australia
- Yogyakarta Earthquake, Indonesia – 2006
 - Deployed by ACS, Indonesian Reliefsources
- Pre-deployment for Red Cross, Sri Lanka
- Pre-deployment in Indonesia - 2007

Recognition

- 2006 FSF Award for Social Benefit
- User Award from Redhat Summit
- ICTA Awards to contributors
- Software 2006 CA, USA, Good Samaritan Award
- Free Software Foundation (FSF) award for Social Benefit inspired by Sahana
- Sourceforge Project of the Month, June, 2006
- Used for many Research Projects, University Courses in many Universities Globally.

Contribute

- Development
- Domain Expertise
- Quality Assurance
- Donations
- Trained Users
- Advocacy
- Deployments
- Moral Support
- **HUGE COMMUNITY**

Community

- Mailing Lists
 - Humanitarian-ICT
 - Sahana-Maindev
 - Sahana-User
- IRC
 - #sahana on Freenode
- HUGS
 - humanitarian user groups

- <http://sahana.lk/>
- <http://wiki.sahana.lk/>
- <http://demo.sahana.lk/>
- <http://demo.sahana.lk/cvs>
- <http://download.sahana.lk/>
- <http://cvs.sahana.lk/>
- [http://sourceforge.net/
projects/sahana/](http://sourceforge.net/projects/sahana/)
- <http://google.com/>