SAHANA

Because Disasters aren't Proprietary

Mifan Careem, Hasitha Anjana

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 Phillipines, 2006

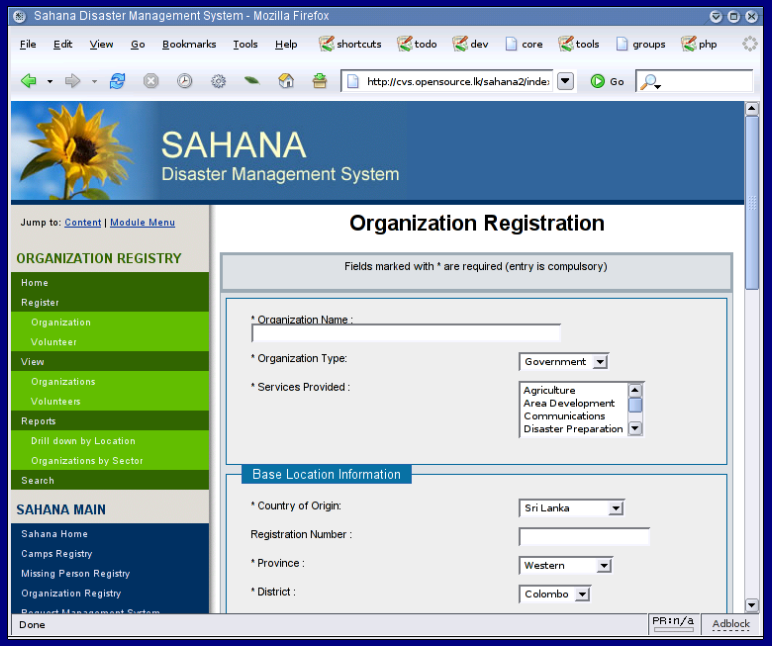
PROBLEM

- 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

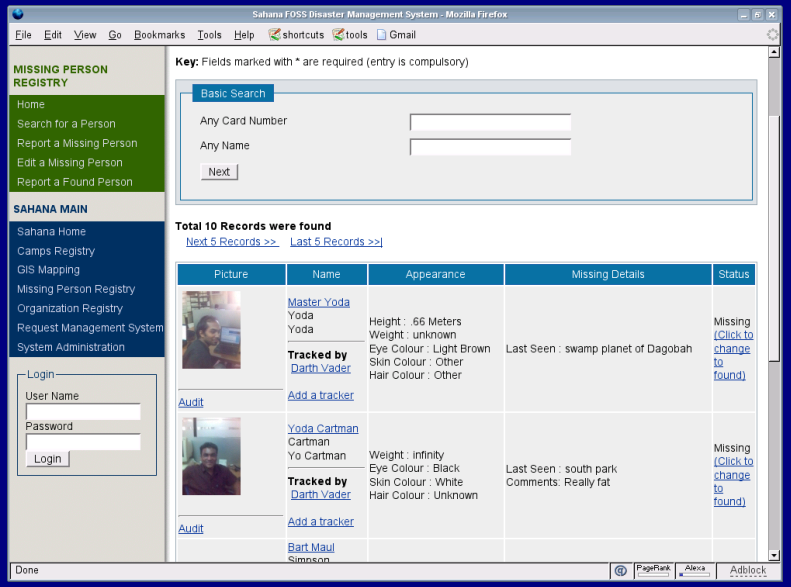
- Disaster Management System
- System to manage disaster aftermath
- Web based portal
  - with sub applications
  - built to address coordination and collaboration problems
  - between civil society, government, private sector, volunteers and victims

Core Modules



Organization Registry

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



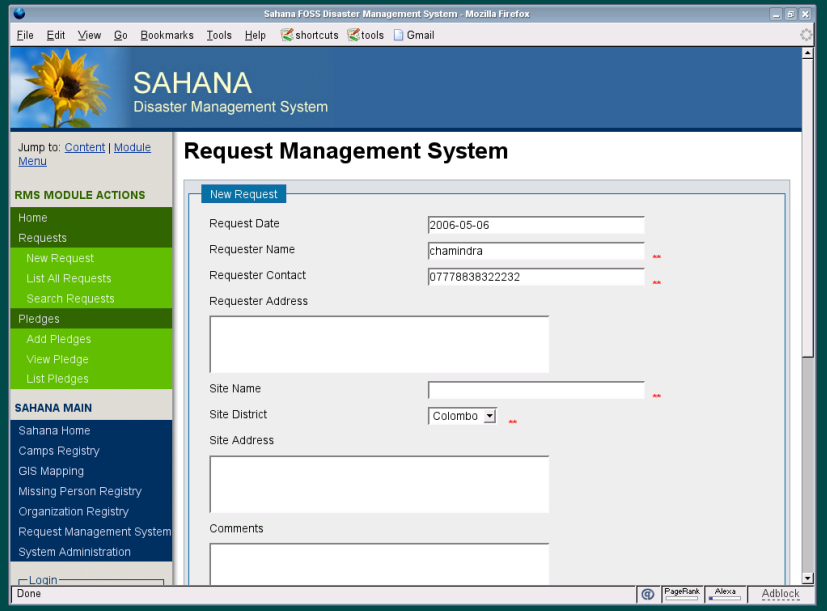
Missing Persons / Disaster Victim Registry

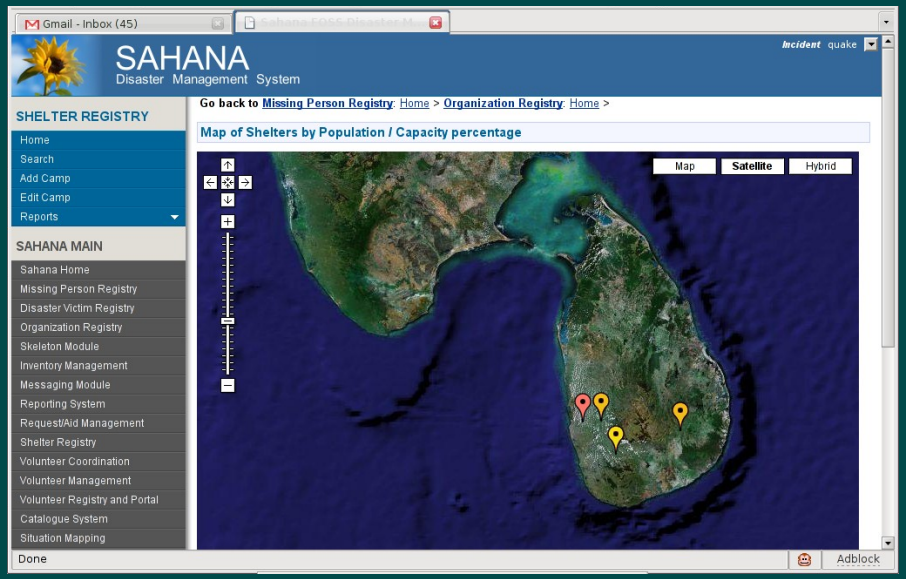
Helps track and find missing, deceased, injured and displaced people and families

Core Modules ...

Request Management System

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





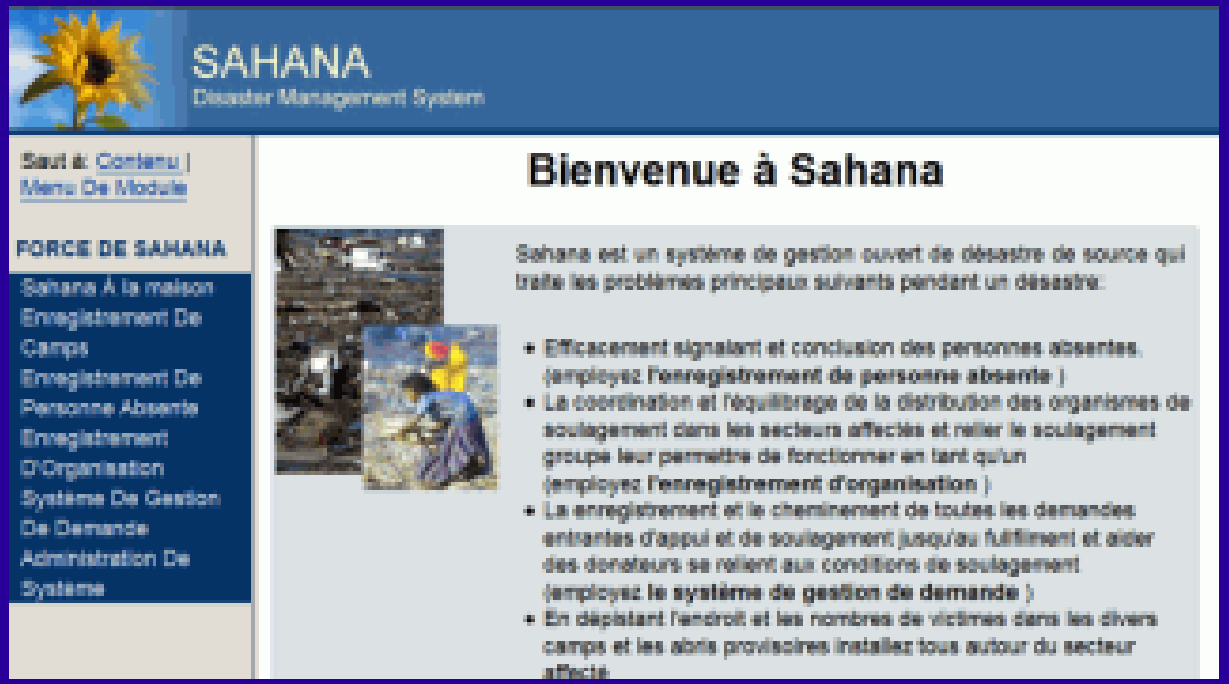
Shelter Registry

Tracks data on all temporary shelters setup following the Disaster

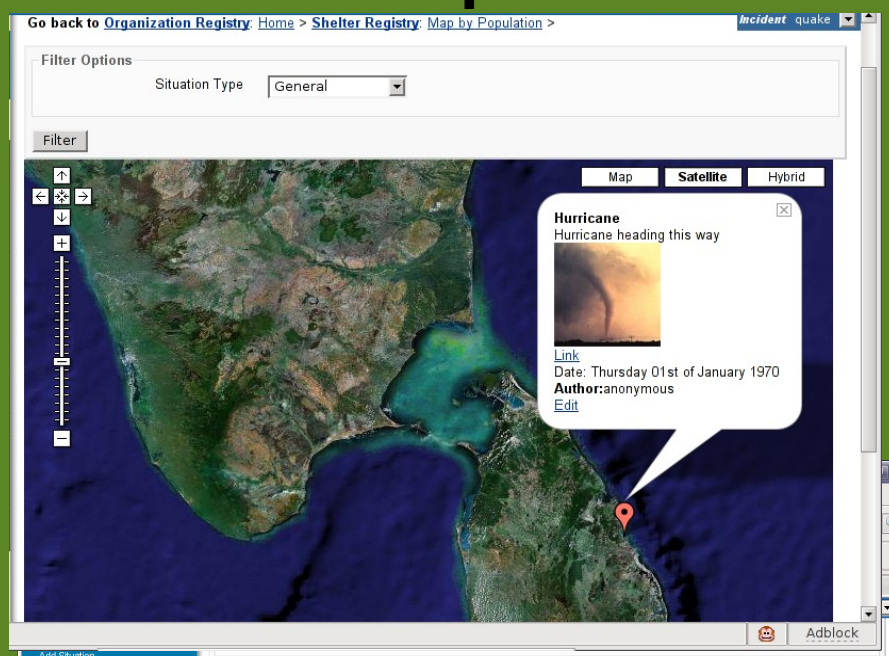
technology

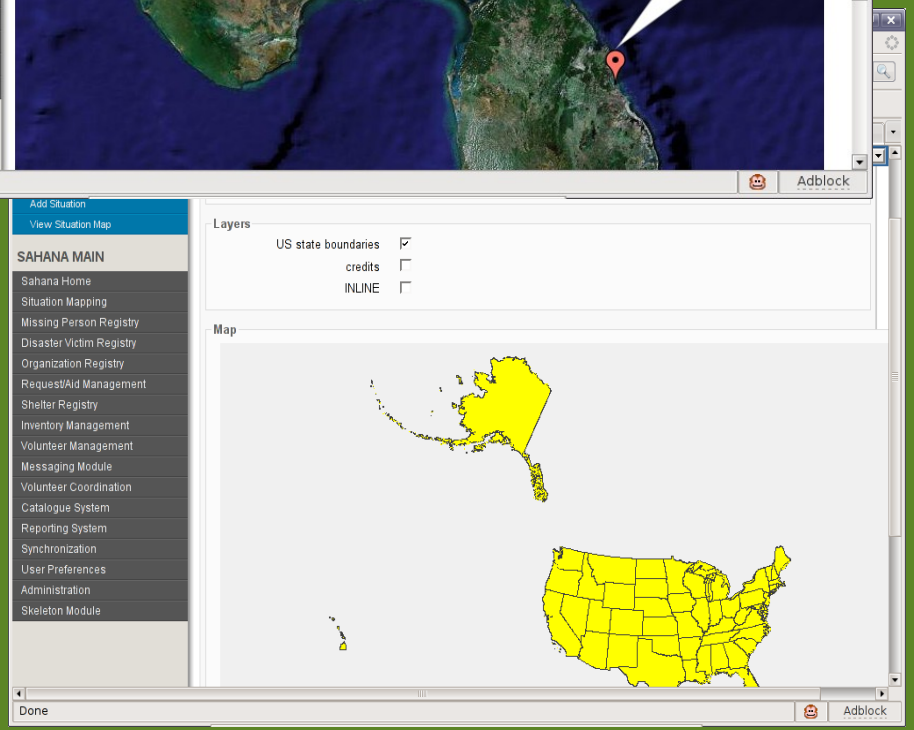
- FOSS
- LAMP
- Synchronization
- Web Services
- Messaging
  - XAMPP, CAPS
- PDA/Mobile Accesibility
- LiveCD, LiveUSB
    - Sahana Live
    - Sahana on a Stick

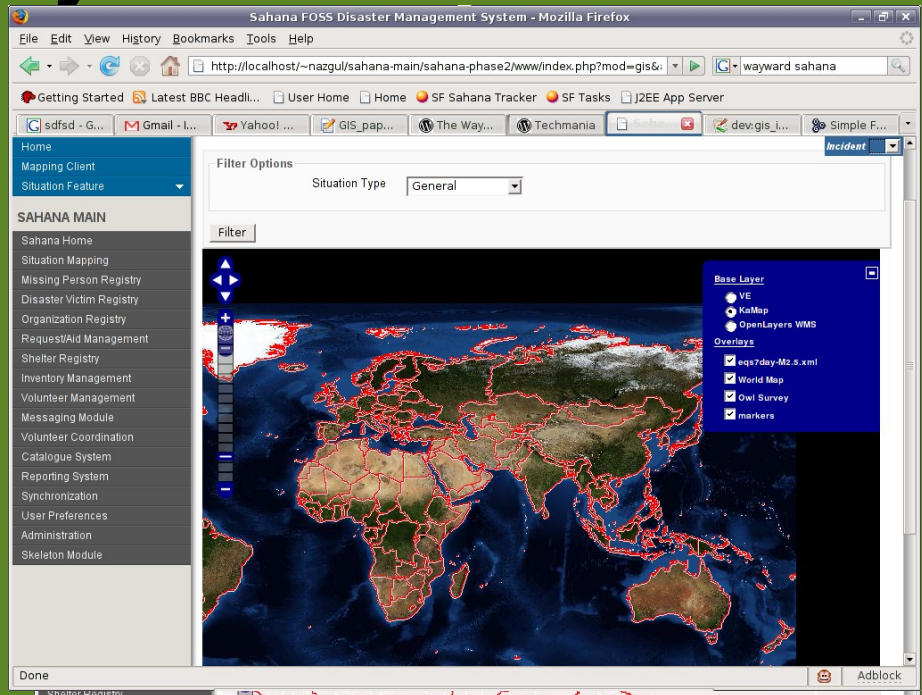
Localization

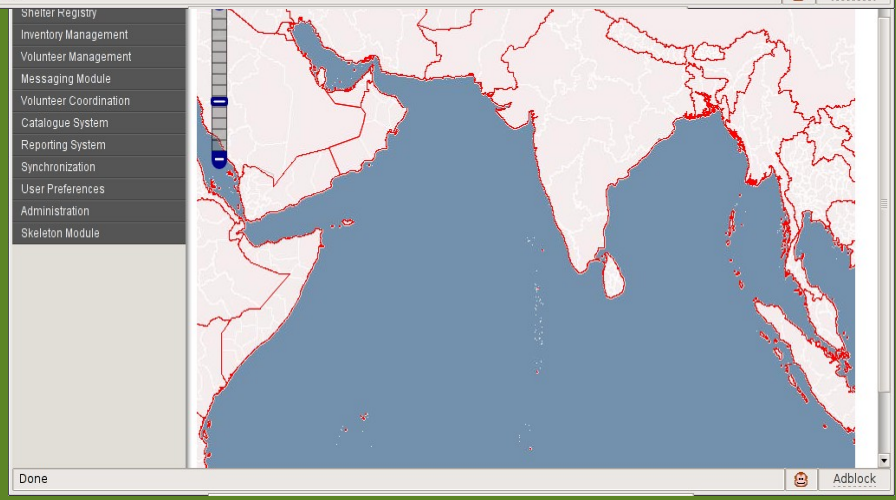


Spatial Analysis and GIS









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
- Yogjakarta Earthquake, Indonesia – 2006
  - Deployed by ACS, Indonesian Reliefsource
- 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://google.com/