

A close-up photograph of a sunflower with bright yellow petals and a dark brown center, set against a blurred background of green leaves and other sunflowers. The image is used as a background for the text overlay.

Sahana Software Foundation

Situational-Awareness Training & 2016 Global
CAP Implementation Workshops

Devin Balkind, President
Asian Institute of Technology
August 22nd, 2016

About Sahana

Sahana's mission is to **save lives** by providing **free and open source** information management systems that improve the effectiveness of organizations and communities throughout the disaster cycle.



Sahana Software Foundation is a **tax-exempt nonprofit** (501.c.3) in the USA.

We produce the EDEN platform, which is the world's most popular **open source information management systems** for disaster management.

Our goal is to get more users, contributors and vendors involved in our open source project. It is not to sell you products and services.

We maintain a list of professional vendors who offer support for Sahana EDEN.

2004: Indian Ocean Earthquake prompts the development of a platform to coordinate various responding organizations.

- Developed by the Sri Lankan Center of Humanitarian Agencies (CHA).
- Funded by Swedish International Development Agency (SIDA).
- Supported by IBM's crisis response team.



The screenshot shows the CNO Data Center website. At the top left is the Sri Lanka State Emblem. To its right is the text 'CENTRE FOR NATIONAL OPERATIONS' in English and Sinhala, followed by the CNO logo. Below this is the heading 'CNO Data Center' and a link to the CNO Homepage. A large banner image features a hand holding a sunflower with the word 'SAHANA' overlaid. To the right of the banner is a welcome message and a list of services: Sahana Organization Registry, Sahana Request Management System, Sahana People Registry, Sahana Camp Registry, and Sahana Assistance Database. At the bottom, there is a copyright notice for 2005, a list of collaborative developers, and a note that the server is donated by IBM and hosted by Sri Lanka Telecom.

©2005 All rights reserved.

Software Developed Collaboratively by the Sri Lankan ICT Industry. Contributors include (In alphabetical order): Eurocenter, Finder2000, hSenid, IFS, JKCS, LKLUG, LSF, UCSC, Univ. of Moratuwa, and Virtusa. This effort was coordinated by ICTA.

Server donated by IBM and hosted by Sri Lanka Telecom.

2005-2008: Sahana PHP is deployed in countries throughout Asia, as well as in North and South America by NGOs and government agencies for all parts of the disaster cycle.

LSF + IBM + Community

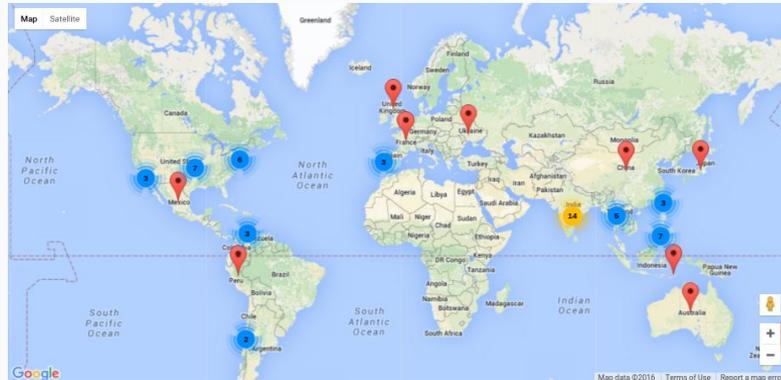
- 2004 - Indian Ocean Earthquake & Tsunami
- 2005 - Pakistan - Kashmir Earthquake
- 2005 - Philippine - Landslides
- 2006 - Indonesia - Yogyakarta Earthquake,
- 2007 - Peru - Ica Earthquake
- 2007 - Bangladesh - Cyclone Sidr
- 2008 - China - Chengdu-Sitzuan Earthquake
- 2008 - Myanmar - Cyclone Nargis
- 2008 - India - Bihar Flooding



History of Sahana

2009: SSF receives nonprofit status and launches its second generation EDEN platform.

2010-2016: EDEN functionality expands to incorporate 20 modules driving adoption to over 25 countries.



Sahana EDEN Technologies	
Web Server	Ex. Apache
Application	Sahana EDEN
Web Framework	Web2Py
Language	Python
Database	MySQL or PostgreSQL
Operating System	Windows, Linux or Mac

- **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, JSON.

Situation Awareness



Map



Incidents



Assessments

Who is doing What and Where



Organisations



Facilities



Activities



Projects

Manage Resources



Staff



Volunteers



Relief Goods



Assets

Manage Aid



Requests



Commitments



Sent Shipments



Received Shipments

Disaster Risk Reduction (DRR) Project Portal

Asia Disaster Preparedness Center
(ADPC)

Asia Pacific Region - 2010-present

Functionality:

- Projects Management
- Contact Directories
- Federated Data Synchronization
- GIS

Risk Analysis

Regional Organisations

Showing 1 to 10 of 29 entries

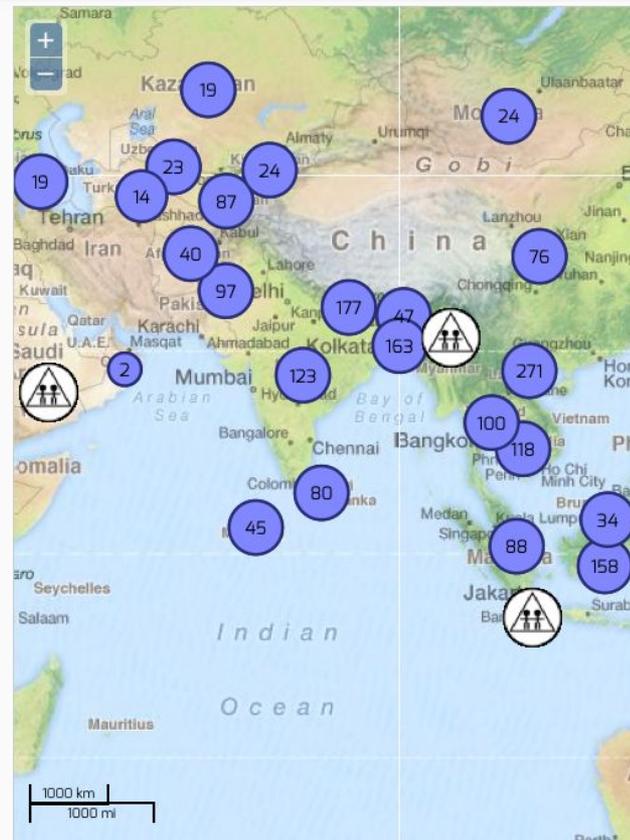
Search:

Show 25 entries

First Previous 1 2 3 Next Last

Name	Acronym	Type	Website	Region	Year	Notes
Applied Geoscience and Technology Division (SOPAC) of the Secretariat of the Pacific Community (SPC)	SOPAC	Regional Organisation	http://www.sopac.org	Pacific	1972	21 Member Countries and Territories; Facilitator of the Pacific Regional Disaster Risk Management Network
ASEAN Committee on DM	ACDM	Regional Organisation		-	2003	ASEAN Committee
Asian Disaster Preparedness Center -	ADPC	Regional Organisation	http://www.adpc.net	-	1986	Regional Organization
Asian Disaster Reduction Center	ADRC	Regional Organisation	http://www.adrc.asia	-	1998	Regional Organization

Project Title (Count)										
Hazards	-	Afghanistan	American Samoa	Armenia	Australia	Azerbaijan	Bangladesh	Bhutan	Brunei Darussalam	Cambodia
-	34	7	1	3	3	2	26	4	11	29
Avalanche	14	13	5	3	5	3	16	18	9	13
Cold Wave	13	11	5	3	5	4	19	18	9	20
Cyclone	33	17	18	4	17	5	69	23	19	54
Drought	22	22	18	6	15	6	39	23	15	44
Earthquake	30	18	18	4	16	3	42	18	18	31
Epidemic	15	10	17	4	13	5	14	11	11	22
Fire	24	13	15	3	13	4	29	18	16	37
Flood	36	27	18	7	17	9	88	34	21	75



Resource Management System

International Federation of Red Cross and Red Crescent Societies (IFRC)

Global - 2011-present

Functionality:

- Volunteer Management
- Staff Management
- Logistics
- Inventory and Asset Management
- Projects Management
- Organization Directories
- Assessments

Resource Management System

RMS RESOURCE MAPPING SYSTEM Train
 admin@example.com
 Sign Out | Change Password | Administration
 Managing material and human resources together to better prepare for future hazards and vulnerabilities.

MAP STAFF & VOLUNTEERS WAREHOUSES ASSETS ASSESSMENTS PROJECTS

View Fullscreen Map

Layers

- Base Layers
 - Google Maps
 - OpenStreetMap (MapQuest)
- Overlays
 - FRC DM Resources
 - Earthquakes
 - Events
 - Warehouses
 - Volunteers
 - Project Communities
 - Staff
 - Assets
 - Offices
- Weather
 - Rainfall - last 1 day (mm)
 - Rainfall - last 10 days accum
- Population
 - Population Density 2010 (Pers
- TL
 - Sucos unsafe water sources

Web Map Service: enviroSDI Web Map Service

Search Geonames: Search location in Geonames

Legend

You are using the site-wide map configuration. To create or use a personal map configuration, click here

About Us | Contact | Help | Privacy

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New
List All

Volunteer Role Catalogue
 New
List All
Import

Training Events
 New
List All
Search
Search Training Participants
Import Participant List

Training Course Catalogue
 New
List All

Certificate Catalogue
 New
List All

Programmes
 New
List All
Import Hours

Person (Count) by State / Province | Breakdown by State / Province

Person (Count) by State / Province

- Alleu
- Baucau
- Bobonaro
- Ermera
- Há Nô
- Lauitêm
- Liquiçá
- Manatuto
- Manufahi
- Viqueque

BACK TO RMS You Are Viewing: Viet Nam - Nghê An

VULNERABILITY MAPPING LEGEND RESILIENCE 1 2 3 4 5 POPULATION DENSITY 0 1-4 5-24 25-249 250-999 1000+

LOW HIGH No Data

Volunteer Map

3 Quy Châu District
 GO TO THE DISTRICT →

DATA QUALITY:
 POOR FAIR MODERATE STRONG
 12 out of 12 Communes Reported

POPULATION: 72,889

COMMUNES IN THIS DISTRICT:
 1 Châu Bình

GO TO THE COMMUNE →

Submit Data Analysis Reports

Give2LA

City of Los Angeles
Emergency Management Department

USA - 2011-present

Functionality:

- Public/User Interaction
- Donations Management
- Volunteer Management
- Request Management

Donations Management

Register | Sign In | English

GIVE2LA

“ Donate. Volunteer. Serve. Please ‘Give2LA’ and do your part to ensure LA is ready for a disaster. ”
Mayor Antonio Villaraigosa

HOME | DONATE | VOLUNTEER | WHY?

Support the City of Los Angeles

Give2LA is the official website for the City of Los Angeles that provides information on volunteer and donation opportunities to support emergency preparedness, response and recovery. Tax deductible contributions for Cash and Corporate in-kind items can be made through one or more of the non-profit organizations listed.

The spirit of philanthropy is an integral part of Los Angeles culture. **Give2LA** is a great way for individuals, groups and organizations interested in volunteering to help worthy causes and efforts before, during and after an emergency. Please register to receive notifications of future Requests for Volunteers and to apply for requests online.

» DONATE

You

You can support our preparedness, response and recovery activities by making a monetary donation or by donating goods and services. [CLICK HERE TO VIEW DONATION OPPORTUNITIES.](#)

Corporations & Organizations

Corporations and Organizations can donate to support the City of Los Angeles, and also receive Situation Awareness Reports. [CLICK HERE TO REGISTER.](#)

» VOLUNTEER

You

You can donate your time by becoming a volunteer to aid survivors of disasters or local emergencies. [CLICK HERE TO VIEW REQUEST FOR VOLUNTEERS.](#)

Organizations & Groups

Organizations and Groups can volunteer to support the City of Los Angeles, and also receive Situation Awareness Reports. [CLICK HERE TO REGISTER.](#)

Contact | Help | FAQ | Disclaimer | ReadyLA

Powered by SAHANA

frank@lacity.org | Sign Out | Administration | English

GIVE2LA

“ Donate. Volunteer. Serve. Please ‘Give2LA’ and do your part to ensure LA is ready for a disaster. ”
Mayor Antonio Villaraigosa

HOME | DONATIONS | VOLUNTEERS | MASTER DATA

HOME > DONATE > REQUESTS FOR DONATIONS

List Requests for Donations

[Make a Request for Donations](#)

Requests for Donations

Showing 1 to 3 of 3 entries

		EOC Status	BOC Status	Date Requested	Pushed to BOC	Date Required	Resource	Deliver To Facility
Open	Delete	Pending (Action Required)	None	07-24-2012 22:00	09-27-2012 21:31	09-26-2012 22:00	-	Koreatown/Wil District Office
Open	Delete	Pending (Action Required)	None	07-24-2012 22:00	09-27-2012 21:31	09-25-2012 22:00	-	Koreatown/Wil District Office
Open	Delete	Pending (Action Required)	None	07-24-2012 22:00	09-27-2012 21:31	09-26-2012 22:00	-	Koreatown/Wil District Office

Showing 1 to 3 of 3 entries

Contact | Help | FAQ | Disclaimer | ReadyLA

Powered by SAHANA

Washington Common Operating Picture

City of Seattle
Seattle Police Department

USA - 2014-present

Functionality:

- Incident Management
- CAD Feed Processing
- Contact Directories

Incident Management

WA-COP Map Incidents Alerts Tasks Resources Contacts About User

Note: This incident is part of an event.

Zero hour: Oct 05 2015 17:05 Closed at: n/a Seattle, Washington

Stadium Terror Attack Active

This event has 4 incidents, 2 resources, 13 posts. [Go to Event Page](#)

Active (change status) [Share](#) [Print](#) [Email](#) [Facebook](#) [Twitter](#)

[701] Terrorism Bomb Explosion

Last updated on Feb 18 2016 02:33 by admin@example.com

[Crime / Terrorism](#) [Bad](#) [No Exercise](#) [+](#) [-](#)

Seattle Police Department

Zero hour: Oct 05 2015 17:05 Closed at:

Street address:

City: Seattle State: Washington ZIP Code:

Latitude: 34.07366618308119 Longitude: 118.2405173778534

Incident Description:
Dodger Stadium Explosion



Report a problem | OpenStreetMap contributors

Resources

Search: Enter search term... [+ Add](#)

Group	Status	Actions
L325	Active	+ -
CP1	Active	+ -
E103	Active	+ -
BC6	Active	+ -
L325	Active	+ -
CP1	Active	+ -
E103	Active	+ -
BC6	Active	+ -

1 2 3 ... 12 13

Updates Directories Tasks

Search: Enter search term here

Filter:
 All My Bookmarks

Type:
Source:
Tag:

Start Time/Date: 2016/1/1
End Time/Date: 2016/20/6

[Clear Filters](#) [Saved Filters](#)

Write new Update Post:
Write something...

Post Add tags here... [Post Update](#)

Update [Share](#) [Print](#) [Email](#) [Facebook](#) [Twitter](#)

Update type: June, 1st 2016 10:41am by admin@example.com

Here can be paragraph text for the update article.

Tags: [TagA](#) [TagB](#) [TagC](#) 2 Comments

Update [Share](#) [Print](#) [Email](#) [Facebook](#) [Twitter](#)

Update type: June, 1st 2016 10:41am by some.person@authority.com

Here can be paragraph text for the update article.

Tags: [TagA](#) [TagB](#) [TagC](#) 0 Comments

Benefits of Open Source

As Sahana EDEN improves, the cost of deploying information management systems continues to go down.

- Sahana EDEN is open source.
- No licensing fees or restrictions.
- You have “the rights to study, change, and distribute the software to anyone and for any purpose.”
- MIT license explicitly allows people to start businesses deploying it for others.

EDEN is one of many successful open source software projects impacting the world.



Open Source is Similar to Open Standards

Common Alerting Protocol:

- Community developed and community maintained.
- No restrictions on who and how it can be used.
- Goal is to spread the standard, not to make a profit.
- No licensing fees.
- People can localize it to meet specific needs.
- It enables seamless flow of information between platforms.
- More users makes it more powerful and more useful.



Connect with us.

SahanaFoundation.org

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