



SAHANA

SOFTWARE FOUNDATION

# Sahana Eden

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# Disasters => Chaos => Trauma



"Please, please help me find my missing parents / child / relative"



# Systems can help...



## Reunite Families

Haiti Earthquake People Locator  
A beta project of the U.S. National Library of Medicine  
Lister Hill National Center for Biomedical Communications


English | Français | Kreyòl

How do I report?  
How do I use this site?  
For a person below: What do I do now?  
Additional Resources  
Contact/About Us

Search [ ] Clear [ ] Pause [ ] Play [ ]

Missing Found:  Alive and Well  Injured  Deceased  Unknown

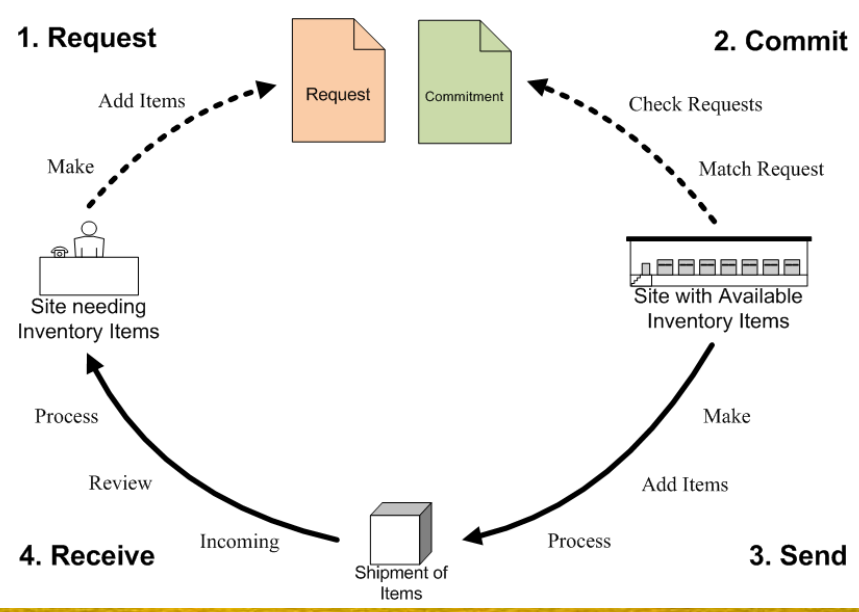
4311 matches from 52182 total records



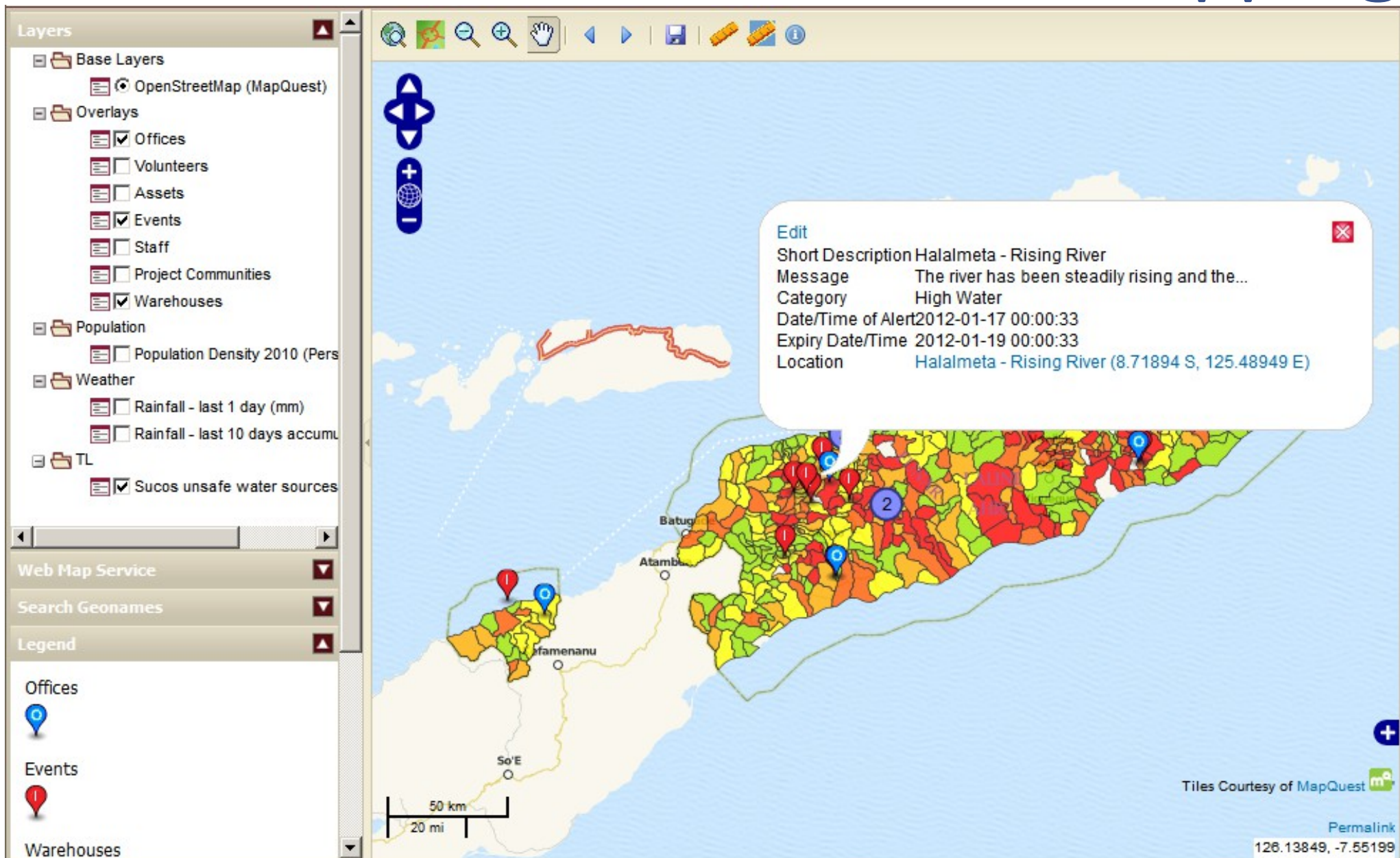
Name: Darlyne Jean-Baptiste Status: missing  
When Reported: 2010-02-01 23:09:48 ID: haiti.earthquake.com/615



## Avoid unwanted aid piling up



# Bring aid to where it's needed most: Mapping



The screenshot displays the SAHANA mapping application interface. On the left, a 'Layers' panel lists various data sources, including Base Layers (OpenStreetMap), Overlays (Offices, Volunteers, Assets, Events, Staff, Project Communities, Warehouses), Population (Population Density 2010), Weather (Rainfall - last 1 day, Rainfall - last 10 days), and TL (Sucos unsafe water sources). Below the layers panel are sections for Web Map Service, Search Geonames, Legend, and Warehouses. The main map area shows a coastal region with a color-coded overlay representing high water levels. A popup window is open over a specific location, displaying the following information:

Edit	
Short Description	Halalmeta - Rising River
Message	The river has been steadily rising and the...
Category	High Water
Date/Time of Alert	2012-01-17 00:00:33
Expiry Date/Time	2012-01-19 00:00:33
Location	Halalmeta - Rising River (8.71894 S, 125.48949 E)

The map also includes a scale bar (50 km / 20 mi), a north arrow, and a 'Permalink' (126.13849, -7.55199) in the bottom right corner. The background of the slide features a field of sunflowers.

# Messaging



# Sahana Eden: Emergency Development Environment



# Reporting

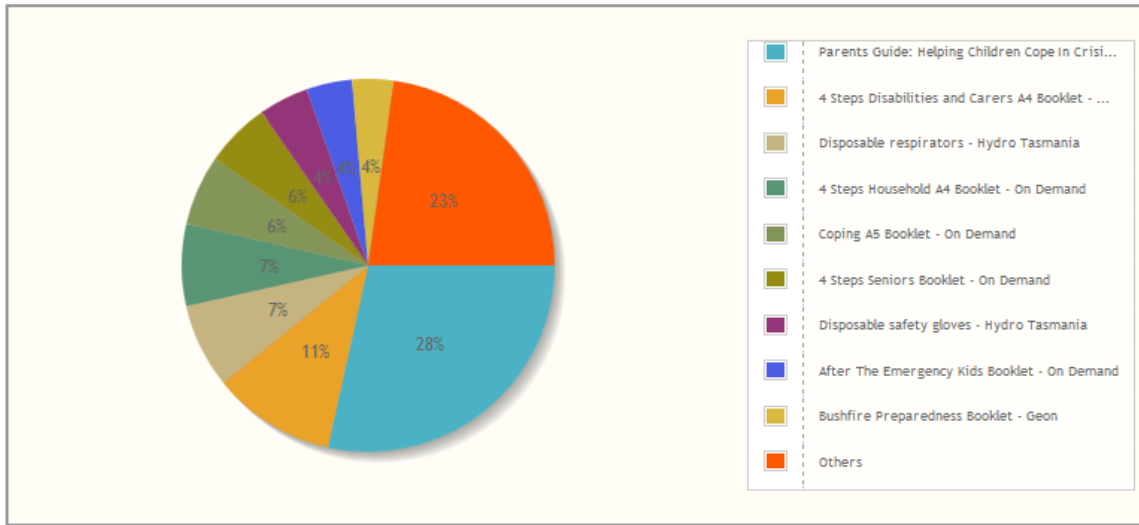
- Warehouse Stock**
  - Search Warehouse Stock
  - Adjust Stock Levels
  - Report
  - Import
- Received Shipments**
  - New
  - List All
  - Search Received Shipments
- Sent Shipments**
  - New
  - List All
- Items**
  - New
  - List All
  - Search
- Catalogues**
  - New
  - List All
- Item Categories**
  - New Item Category
  - List All
- Requests**
  - New
  - List All
  - List All Requested Items
  - List All Requested Skills
- Commitments**
  - List All

## Warehouse Stock

Quantity (Sum) by Item by Warehouse

[Close](#)

Quantity (Sum) by Item



Search:

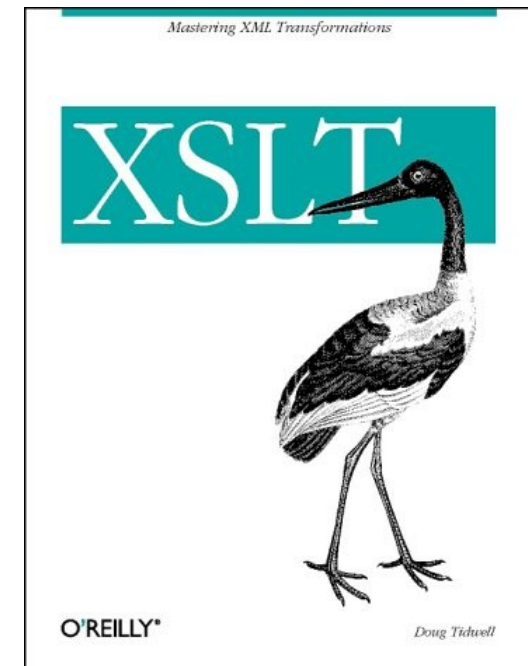
Show 50  entries Showing 1 to 50 of 206 entries

Quantity (Sum)	Warehouse				
	VIC - Villiers Warehouse (Warehouse)	NAT - Villiers Warehouse (Warehouse)	NAT - Pelham St (Warehouse)	NAT - Bowen Hills Warehouse (Warehouse)	Total
4 Steps Disabilities and Carers A4 Booklet - On Demand	11422.0	0.0	0	9600.0	21022.0
4 Steps Easy English Infobook - On Demand	1427.0	0	0	0	1427.0
4 Steps Easy English Workbook - On Demand	927.0	0	0	3675.0	4602.0
4 Steps Household A2 Posters - On Demand	0	0.0	0	0	0.0
4 Steps Household A4 Booklet - On Demand	8956.0	150.0	0	4800.0	13906.0
4 Steps Household DL Brochure - On Demand	4764.0	0	0	0	4764.0
4 Steps Seniors Booklet - On Demand	9649.0	0.0	0	1450.0	11099.0
After The Emergency Kids Booklet - On Demand	5107.0	75.0	0	2580.0	7762.0
Black polar fleece - 10 - Leaf Group	0	0.0	0	0	0.0
Black polar fleece - 12 -	0	0.0	0	0	0.0

# Integration



OASIS 





# Deployment Options

Host locally in the  
command center  
on a **Laptop**



Host in the **Cloud**



**Synchronize** these 2 together...

# i18n



Click anywhere on the map for full functionality

### STAFF & VOLUNTEERS

Add new and manage existing human resources.



### WAREHOUSES

Stocks and relief items.



### ASSETS

Manage office inventories and assets



## NEWS

RMS Community Call 18 Jan 4

CITY OF LOS ANGELES  
EMERGENCY MANAGEMENT DEPARTMENT  
"IN OMNIA PARATUS"

# GIVE2LA

HOME DONATIONS VOLUNTEERS MASTER DATA

frank@lacity.org | Sign Out | Administration

English Español Tagalog 中文 日本語 한국어 Tiếng Việt

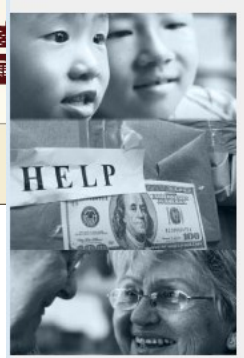
“ Please 'Give2LA' and do your part. LA is ready for Mayor Antonio

## 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.](#)

# Themes



- Red Cross 
- City of Los Angeles 
- UN World Food Programme 
- UN OCHA
- Asia Disaster Preparedness Center 
- Philippines Government: DSWD 
- Nepal Government: DHM 
- Portugal, India, Japan, Taiwan,  
Chile, Colombia, Mexico

- Sahana Software Foundation (501c3)
- Google Summer of Code
- Google Code-In
- Commercial Companies
- Documentation:
  - ◆ Wiki
  - ◆ Book
- Mailing List
- IRC



# New York: Hurricane Sandy

- 3 instances setup within 1 week:
- Hospital Tracking with Crisis Commons
- Volunteer & Shelter Management for American Red Cross
- Requests & Volunteer Management for Community groups including Occupy Sandy



# The Need

- Lots of Requests
- Lots of Fulfillment
- Sprawling gDocs
- Hard to Prioritize supplies based on needs
- No Accountability
- No Reporting

# The Solution

- True Multi-user Database
- Workflow
- Roles
- Reporting
- Integrated Mapping
- Integrated Messaging (thanks MobileCommons!)



# Technology & more...

- **Python:** Web2Py
- **JavaScript:** jQuery, OpenLayers
- **HTML**
- **CSS**
- Ideas
- UI Design
- Testing
- Documenting