

SAHANA VICTIM REGISTRIES

Effectively Track Disaster Victims



presented by
Isuru Samaraweera

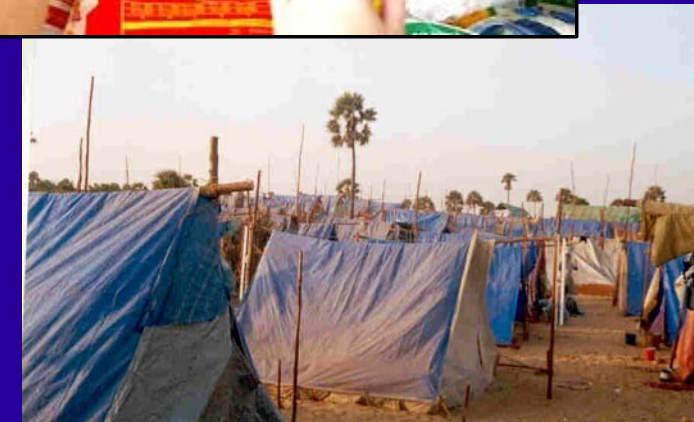
Core Team: Sahana Project,
Lanka Software Foundation

Agenda

- Problems aftermath of a disaster
- Significance of Tracking Victims
- Victim Tracking Methods
- Victim grouping
- Important Data to capture
- SAHANA Victim Registries
- Deployments
- Conclusion
- Q & A session

Problem: Aftermath of Disasters

- Tracking Missing Persons and Internally Displaced Persons
- Coordinating all aid-groups/organizations 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



Significance of Tracking Victims

- Request aid management drastically depends on the people information
 - Donors can provide necessary items
 - Requests duplication can be eliminated
- Increase the efficiency of Volunteers
 - Proper Volunteer allocation
 - Accelerate relief process
- Whole disaster management process is based on accurate/available people information

Victim Tracking Methods

- Categorizing into various groups by age and victimized status
- Different Victim groups
 - Internally Displaced People
 - Children
 - Adults
 - Missing People
 - Found People
 - Injured/Deceased People

Victim Tracking Methods...

- Depending on the Victim group/s information to be captured varies
 - Capturing health, educational and behavioral information is vital with regard to children.
 - For adults that may be unnecessary
- For internally displaced people capturing major requirements like food,water,cloth can be captured.
- For missing/found people tracking information on water,food,cloth,..etc is not needed

Victim sub grouping

- Group categorization
 - such as families, tourists, passengers, pedestrians etc...
 - Common information for all the individuals of a group may be captured with the use of one wizard.
 - Assist agencies to identify their target set of victims.
 - Individual information should be recorded under each group and this should be done one by one
 - Reduce the data capturing time

Groupwise Data to Capture

- Group Type—family,tourist,company,other
- Head of Group
- No of Members in group
- Status of Members
- Displaced Location
- Current Location
- Checklist-water,food,cloth.....etc

Individual Data to capture

- Basic Details-**name**,age,dob,marital status,religion,race
- Identity-idcard number,passport,driving licence
- picture
- displaced/current location
- fingerprint
- physical details-eye color,skin color,etc...

Missing/Found Person Data

- Idcard,passport,driving licence,name,age
- Contact information-telno,address,etc...
- Capture Reporters Details
 - if two members of a family are looking for the head of the family, the data maybe used even to connect those two family members with each other.
- Photograph can be used to display in public place

Children Data

- Due to the age factor separate set of information should be captured
 - Personal Details
 - Educational details
 - Behavioral details
 - Health details
 - Emotional details
 - Relation details

SAHANA Disaster Victim Registry

- The Sahana Disaster Victim Registry is a central online repository where information on all the internally displaced disaster victims can be stored.
- Adding a new victim group, searching a new victim group , editing and deleting victim group.
- Adding a new victim, searching , editing and deleting victims.
- Generating reports such as drill down by group, drill down by shelter, drill down by incident etc...



Add New Group

Add New Individual

Add Group Major Details Form

- Select the group type
- Group Head Information
- No of Members
- Status of Members

Add Individual Major Details form

- Select Group Type and Head
- Basic Details
- Identity
- Upload Picture
- Contact Information

Add Group Location Details Form

- Displaced Location
- Current Location
- GIS Location

Add Individual Location Details Form

- Displaced Location
- Current Location
- GIS Location

Item Checklist Form

- Item Checklist
- Group description

Add Physical Details Form

- Upload Finger Print
- Physical Details
- Other Details

SAHANA Missing Person Registry

- The Missing Person Registry is an online bulletin board of both missing and found people.
- The relief coordinating body operating the Sahana MPR may define the status of victims
- Add Missing Person, Search Missing Person, Edit person ,Delete person
- Reports
 - List All Missing people
 - List All Found people



Report Found Person

Report Missing Person

Report Found Person major details form

Identity

Basic Details

Upload Picture

Contact Information

Missing Person's Origin

Physical Details

Other Details

Report Missing Person major details form

Identity

Basic Details

Upload Picture

Contact Information

Missing Person's Origin

Physical Details

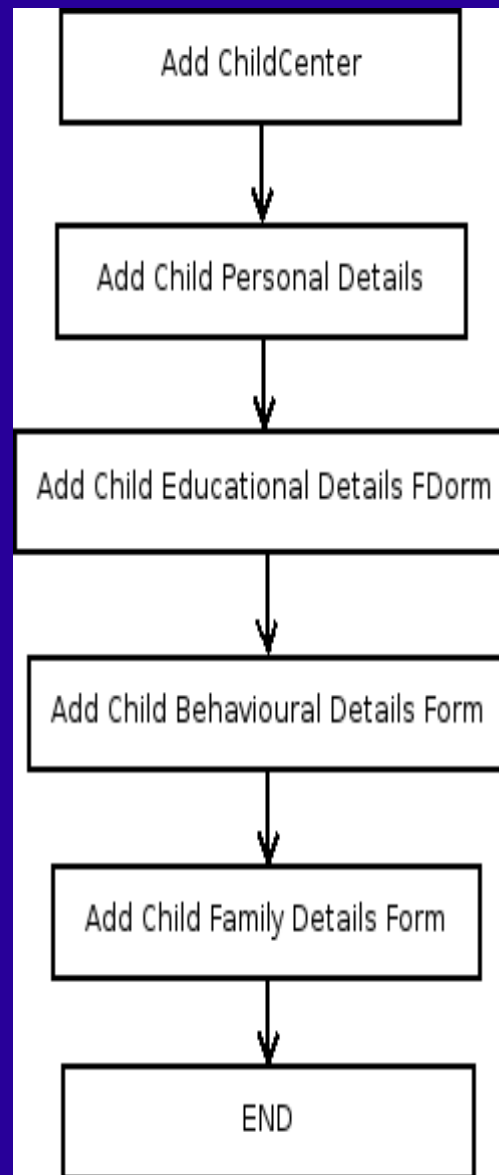
Other Details

Reporting Person Information Form

Name and Relationship to person

SAHANA Children Registry

- Children Registry is the central repository to manage children
- Major functions
 - Abilities to track, edit and modify child personal details, health details, education details, behavioral
 - Details of the relations of that child in separate forms
 - Generate reports based on the selected criteria.
- Data can be exported into word,excel,pdf...format



Deployements

- **Terre des Hommes - Sri Lanka 2006** - Deployed with new Child Protection Module
- The customized version of SAHANA was deployed to capture information on children related to their education, behavior and health .
- The system was fully deployed on a windows environment and a user familiarization session was conducted to ease the usage.

Deployments Contd....

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

Conclusion

- The Sahana victim registries namely the Disaster Victim Registry, the Missing Person Registry and the Children Registry are very well suited and have been successfully deployed for large scale disasters.
- All three modules can be deployed independently or together depending on the need of the targeted disaster scenario and are they are designed to have a tight integration when deployed simultaneously.

Q&A

<http://sahana.lk/>

<http://sourceforge.net/projects/sahana/>