Quick Update about Sahana Vesuvius
Part of the National Library of Medicine’s
“Lost Person Finder” (LPF) Project

A Supplement to the Agasti PMC Report

Glenn Pearson

Presented at the
Sahana Software Foundation Annual Meeting
NYC
May 26-28, 2012

Revised for release, 5/29. Similar material first presented May 23rd to Aquilent, Laurel, MD
Goal of the LPF Project - Family Reunification after a Disaster

### Hospital Use Case
- Original focus, in conjunction with local Bethesda Hospitals’ Emergency Preparedness Partnership
- Based on a 2008 project proposal by myself and Michael Gill (fed)

### Goals
- Log disaster victims arriving at the hospital
- Assist family reunification counselors
- Reduce inquiry load on rest of hospital staff

### Community Use Case
- First activated in response to the Haitian Earthquake
- For disasters of larger scope

### Goals
- Provide a registry and tools for search and reporting by public or field workers
- Promote data exchange among registries
People Locator™ (PL) Web Site


- LAMP architecture
  - Red Hat Enterprise Linux, Apache, MySQL, PHP
- SSF Vesuvius open-source code
- Improvements, extensions, customizations include:
  - AJAX GUI, filters, SOLR search engine
  - SOAP & JSON web services, email in/out
Example of Vesuvius/PL Integration with LPF Heathcare Mobile Tech

- At Hospital Triage – NLM’s TriagePic™
  - Windows app, built with C#/.Net, ClickOnce deploy
  - For arriving disaster victims, gathers
    - photo
    - assigned triage zone
    - minimal text & checkbox data
  - Reports to Vesuvius/PL & hospital recipients over WiFi
  - Family counselors, emergency managers consult Vesuvius/PL
- TriagePic & Capital Shield 12
  - October 2011 Drill
  - “Patients” arrived at Suburban Hospital by helicopter (shown), ambulances, & on foot.
  - TriagePic deployed on Motion Computing tablets
    - Win 7, 64-bit
    - finger and stylus touch
    - rear cam for patient shots
      - Better than separate Bluetooth camera
  - Successful overall
Noteworthy Recent Deployments with Exchange of Data

- Exchange with Google Person Finder – Sendong, Philippines, December, 2011

- Turkey Earthquake, October 23, 2011
- Demo for Australian Red Cross, April 2012
- For patient tracking during move of St. Francis Hospital, Indianapolis, March 2012