Community Disaster Network

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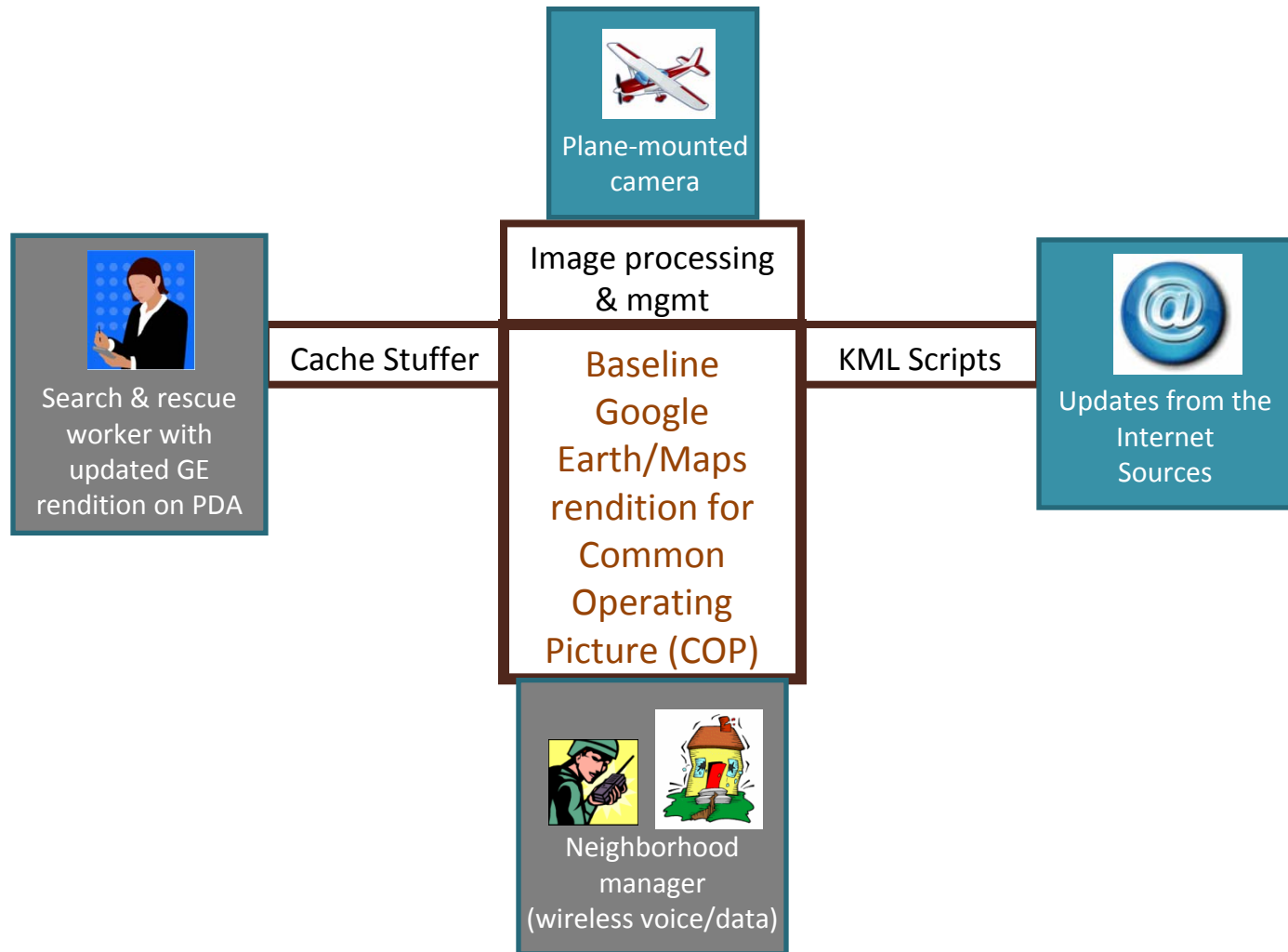Program Director

INSTEDD

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INSTEDD

INSTEDD is an independent international nonprofit serving those involved in early warning, prevention and response to public health emergencies and natural disasters by harnessing technology for more effective action

Community Disaster Network

- CDN is a multi-organizational project to better prepare first response workers and to assist victims of a public health emergency or natural disaster
- CDN adds value by offering access and visualization software tools optimized for emergency situations

CDN Components

Plane-mounted camera

Search & rescue worker with updated GE rendition on PDA

Cache Stuffer

Image processing & mgmt

Baseline Google Earth/Maps rendition for Common Operating Picture (COP)

KML Scripts

Updates from the Internet Sources

Neighborhood manager (wireless voice/data)

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Benefits of CDN

- Brings together key disaster contributors
- Unifies contributors through realistic and relevant technology usage
- Exhibits the power of visualization tools
- Identifies holes in planning through demonstration exercises
- Serves as prototype for broader absorption

CDN for Golden Guardian Suggested Demo Items

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- US&R TF3
  - Regional baseline visualization of Common Operating Picture on Laptop/Portable PC
  - Updated baseline on health worker PDA
  - Search and Rescue personnel
- NASA/Ames
  - Geo-referenced image pipeline processing (GRIPP)
  - Cache stuffer software for PDAs
  - Reconnaissance flights
- Palo Alto Red Ribbon Task Force
  - Ham radio and WiMax technology
- Atherton Civil Interest League
  - Block captains
- City of Palo Alto
  - Emergency Operations Center
  - Health care workers

- Inmarsat
  - BGAN-based voice/data access to the Internet for COP laptop via satellite
- INSTEDD
  - Threat progression layers on baseline visualization
  - KML script for Internet updates to baseline
  - Plane-mounted camera
- Google Foundation
  - Santa Clara county database
- Accela
  - Software for people locating, resources, suppliers, financial aid, news feeds, assessments
- Stanford Hospital
  - Disease management updates
- WHO/CDC
  - Disease bulletins