Crisis Informatics

Leysia Palen

Project EPIC

University of Colorado Boulder

FEMA photo/Ed Ahi

FEMA photo/Andrea Booher

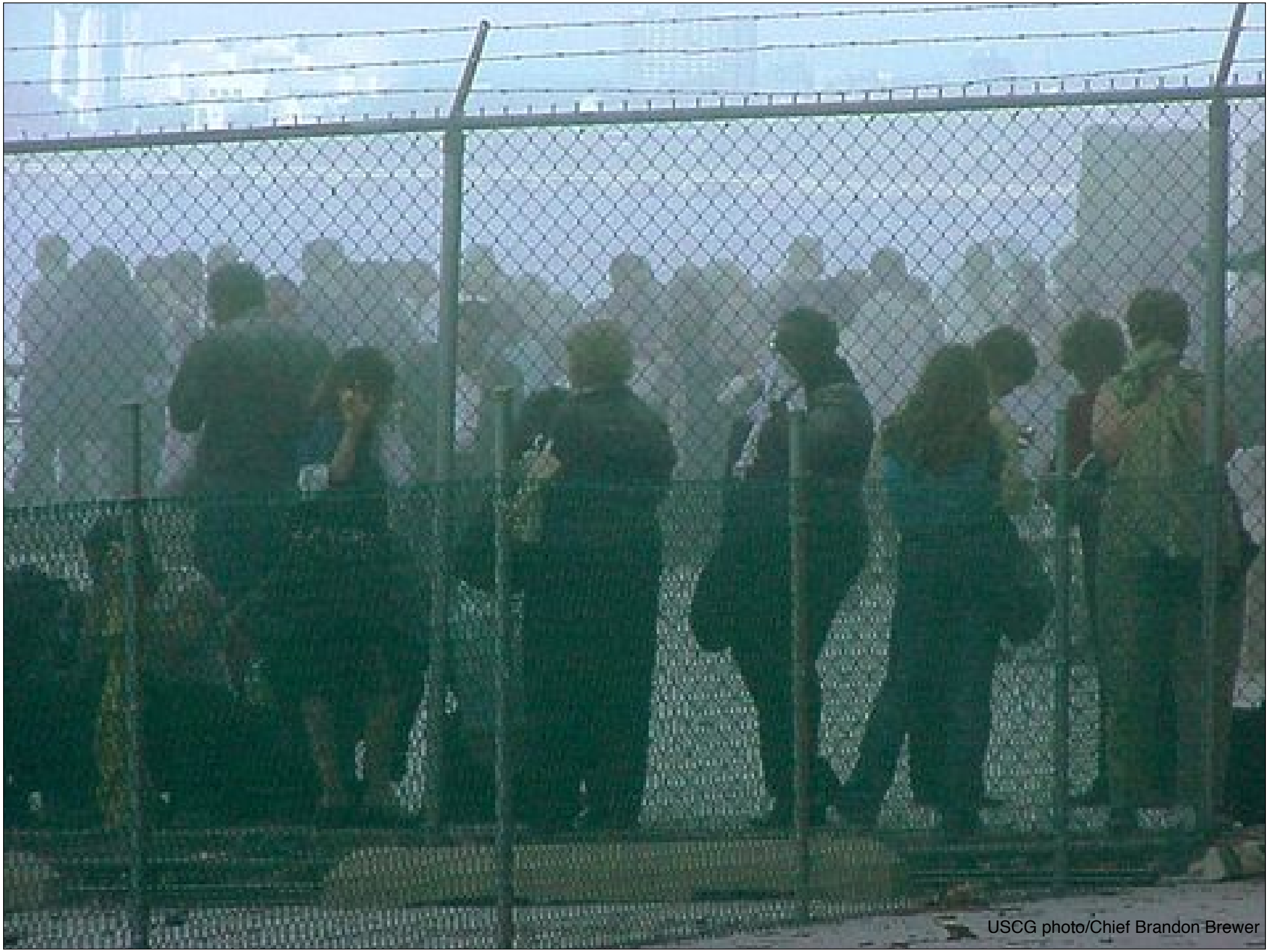
FEMA photo/Booher

Mass Convergence

People
Resources
Information

OFFICIAL RESPONSE "Formal"

PUBLIC RESPONSE "Informal"



USCG photo/Chief Brandon Brewer

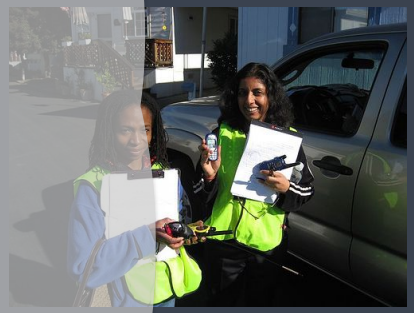
GETTY

PUBLIC RESPONSE "Informal"

OFFICIAL RESPONSE "Formal"

PUBLIC RESPONSE "Informal"

"information interface"



Two Forms of Public Response:
Spontaneous
Solicited

twitpic

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@pulsemusic_t

Satti March 15, 2011

Tweet 4

福島市 ヨークベニマル太平寺店 レジ待ち。惣菜、パンまだあります。水、米、ラップ無し。野菜、魚に肉が想像以上に豊富にありました。 #Fukushima

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@pulsemusic_t

Satti March 15, 2011

福島市 ヨークベニマル太平寺店 レジ待ち。惣菜、パンまだありま
、ラップ無し。野菜、魚に肉が想像以上に豊富にありました。 #F

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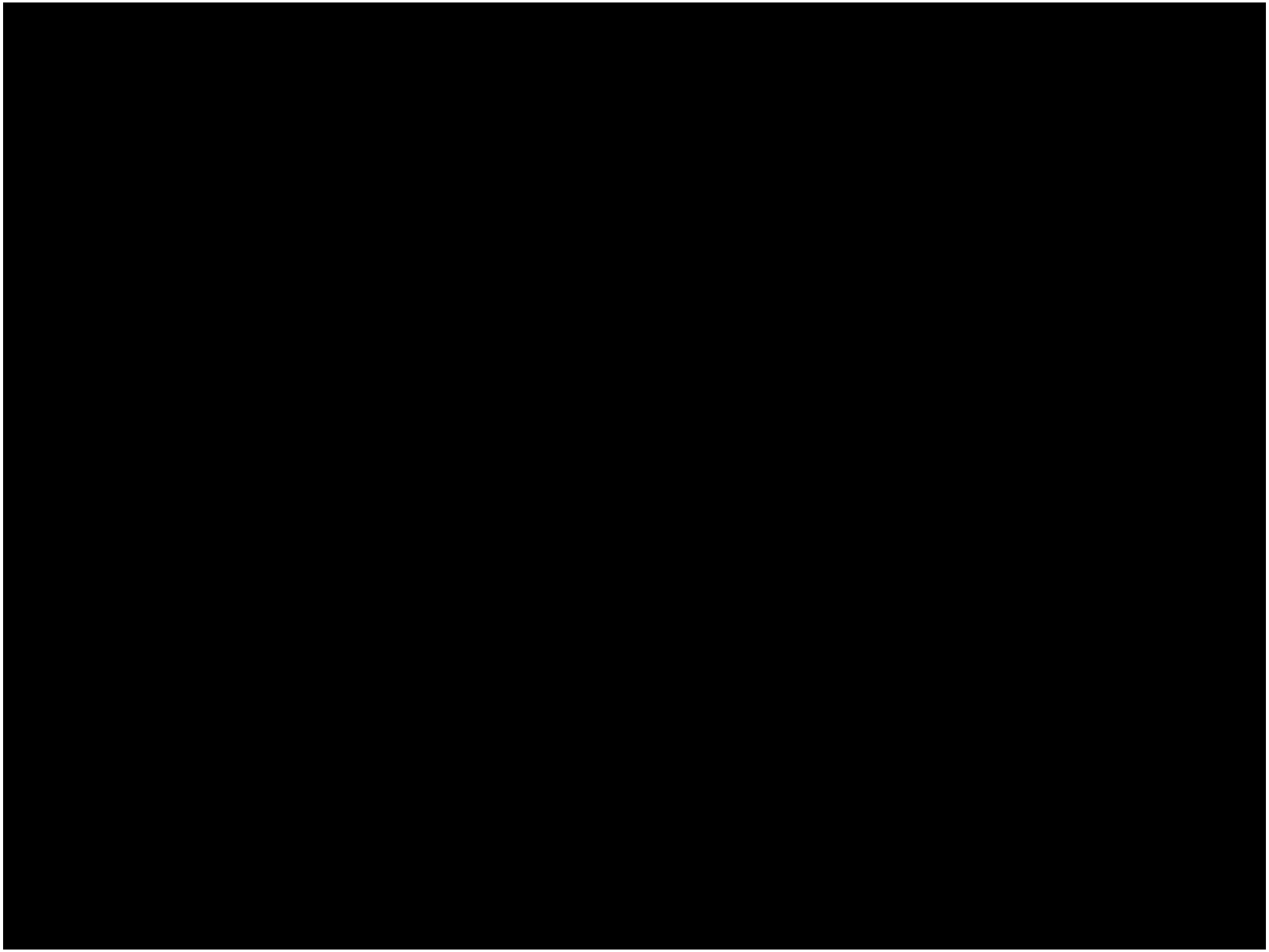
Fukushima city, "Youkubeni"(?) mall, Peace Temple store, waiting in the checkout line. There's no bread yet. As for daily items, (we are) without water, rice and plastic wrap.There used to be more than enough, an abundance, of everything you could imagine, from vegetables to fish and meat.

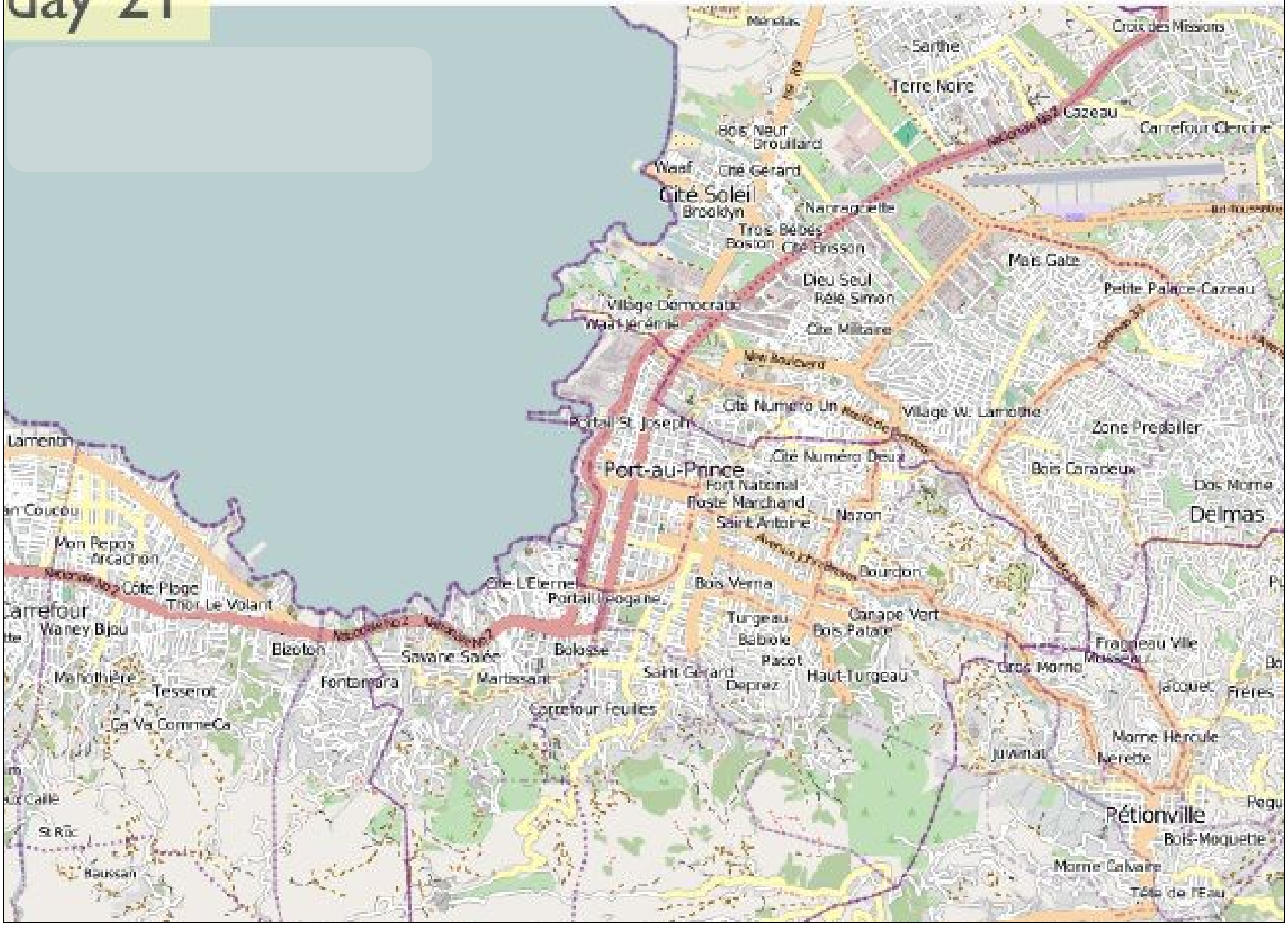
Self-Organization of Digital Helper Networks

Geeks for Haiti
CrisisCamps



day 0
Port-au-Prince
Humanitarian Open Street Map: Haiti

day 21



Ménélas
Sarthe
Croix des Missions
Terre Noire
Cazeau
Carrefour Clercine
Bois Neuf
Brouillard
Waaf
Cité Gérard
Cité Soleil
Brooklyn
Nacragoette
Trois Bébés
Boston
Cité Brisson
Mais Gate
Dieu Seul
Petite Palace Cazeau
Village Démocratie
Waaf Jérémie
Cité Militaire
New Boulevard
Cité Numéro Un
Village W. Lamothe
Portail St. Joseph
Zone Predailler
Lamentin
Cité Numéro Deux
Port-au-Prince
Bois Caradeux
Fort National
Dos Morne
Poste Marchand
Saint Antoine
Nazon
Delmas
Mon Repos
Arcachon
Bourdon
Cité L'Eternel
Bois Verna
Côte Ploge
Portail Léogane
Thor Le Volant
Carrefour
Canape Vert
Waney Bijou
Turgeau
Bois Patate
Babiole
Bizoton
Savane Salée
Bolosse
Fragneau Ville
Pacot
Gros Morne
Mahothière
Fontamara
Martissant
Saint Gérard
Haut-Turgeau
Tesserot
Deprez
Jacquet
Frères
Carrefour Feuilles
Ça Va CommeCa
Morne Hercule
Juvénat
Nerette
Pétionville
St Rûc
Bois-Moquette
Baussan
Morne Calvaire
Tête de l'Eau

Red River Flood Community Sandbagging Effort, 2009
FEMA/Andrea Booher

What are good disaster-based crowdsourcing tasks?
FEMA/Andrea Booher

FEMA/Jocelyn Augustino

What's Ahead?

Crises are Places of Innovation

Fundamental Institutional Shifts in Practice & Policy

Leysia Palen

Colorado Waldo Canyon Fire Joint Info. Center 2012

FEMA/Michael Rieger

Astrodome Shelter, Katrina Aftermath

FEMA/Andrea Booher

Perilous but Promising: CS Research is Deeply Consequential

Thank you

National Science Foundation

Project EPIC Team

University of Colorado Boulder

Contact

http://epic.cs.colorado.edu

@palen

@epiccolorado

AP/Jae C Hong