



Global Disaster
Preparedness Center



Multi-Hazard App & CAP

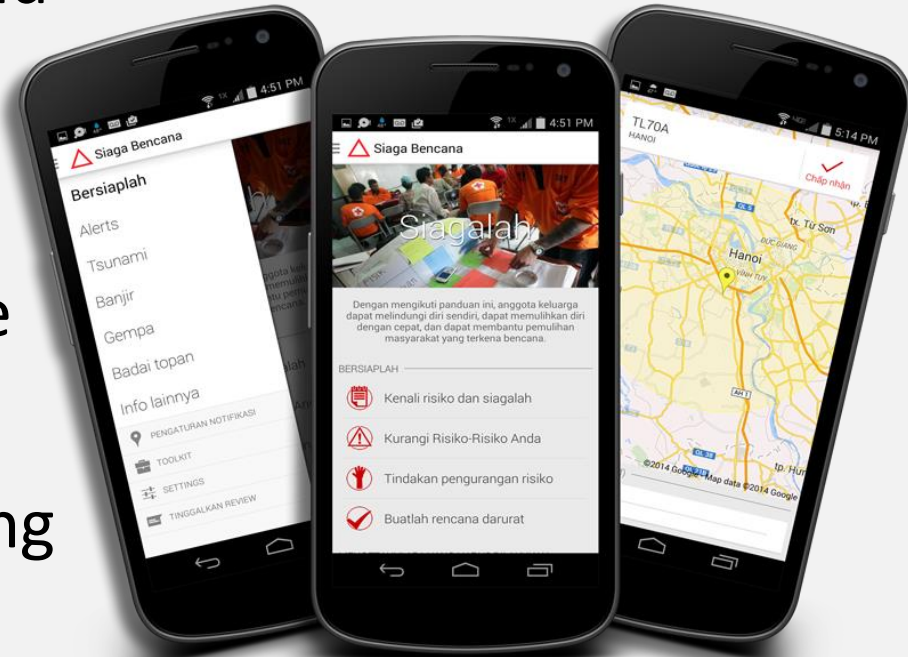
Jessica Ports Robbins

Technical Advisor, Preparedness ICTs

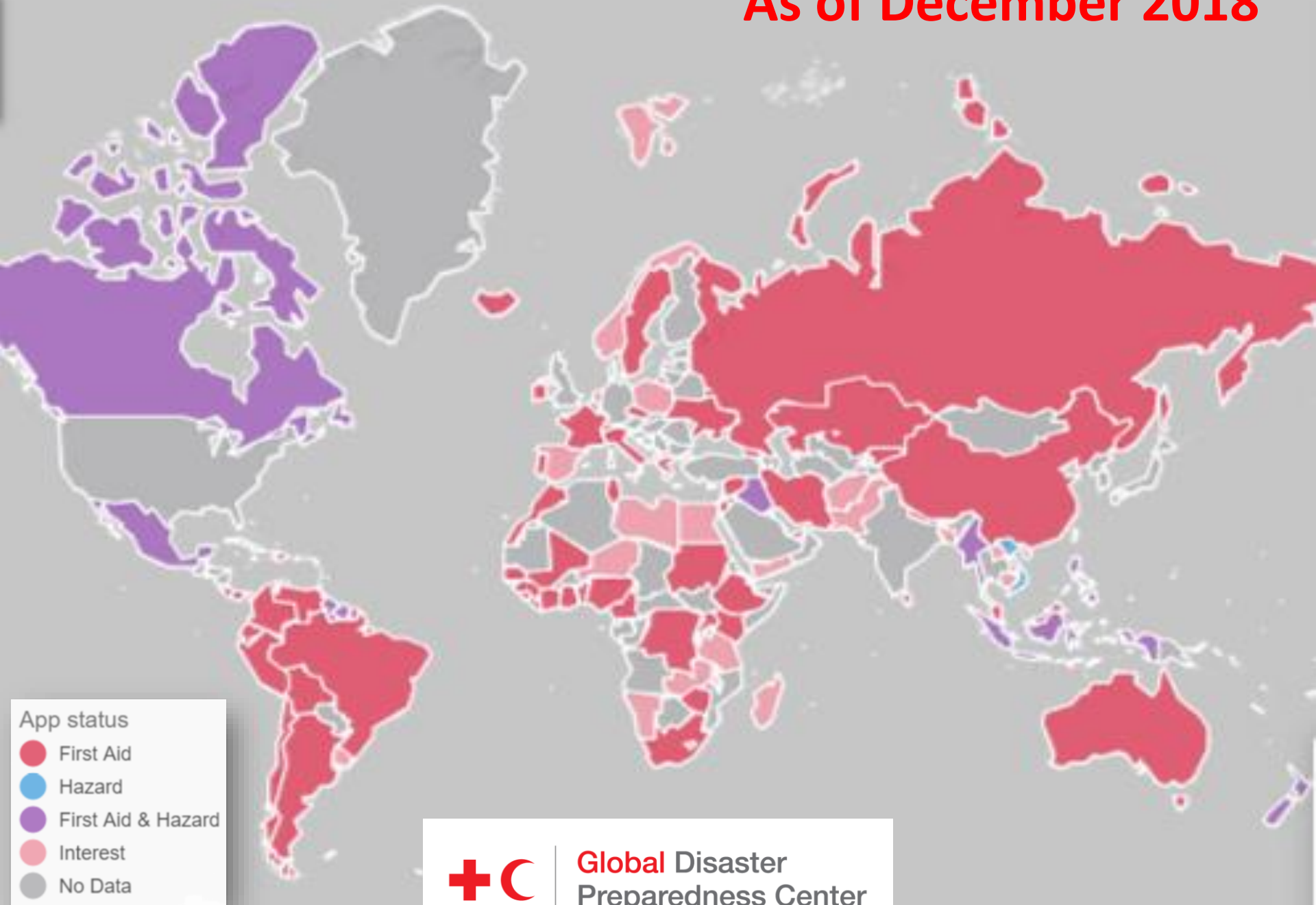
GET-19 | CAP Workshop

Universal App Program

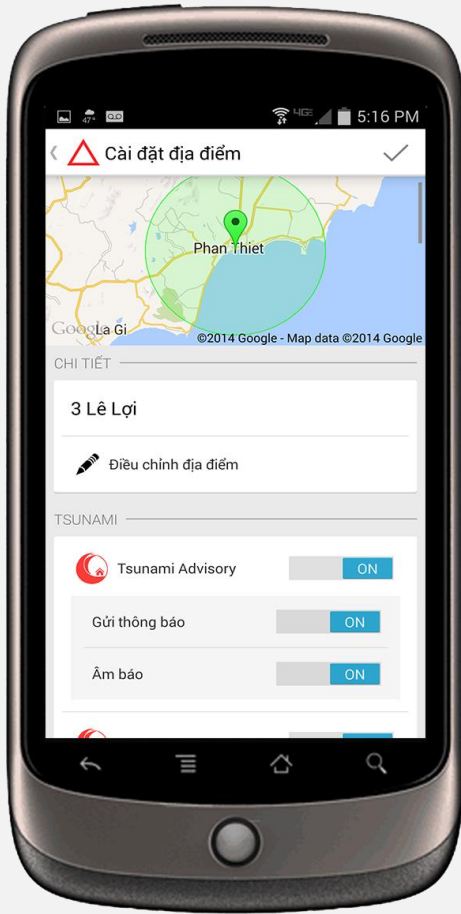
- Model for RC/RC national societies to license, adapt and release mobile apps
- Scalable
- Predictable quarterly release schedule
- Easy to use – minimal learning
- Connectedness - push notifications, links to NS programs, social media
- **No cost** for national societies



As of December 2018



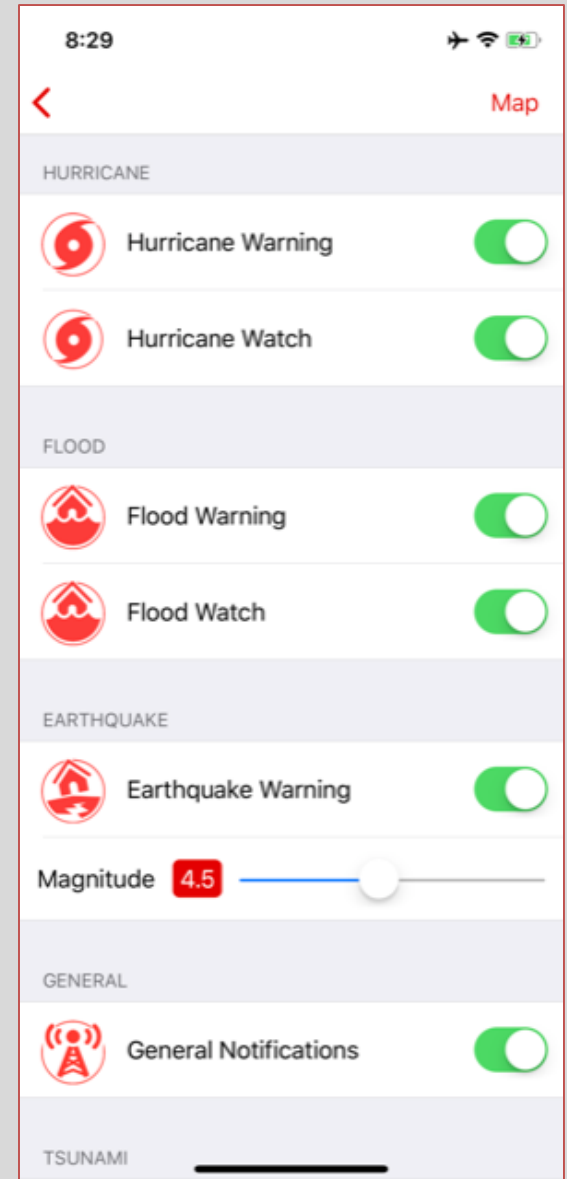
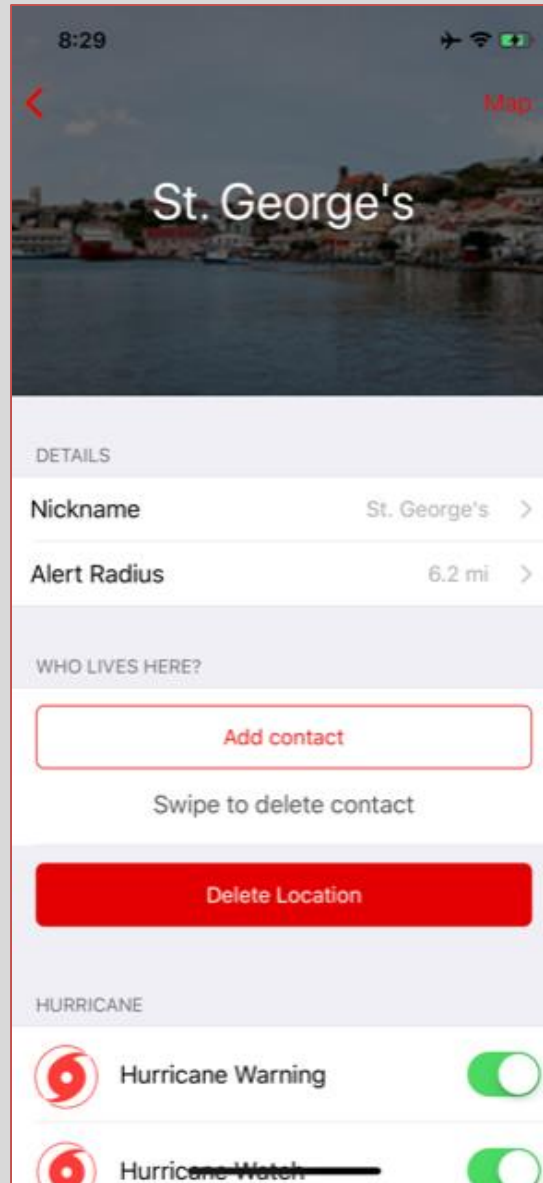
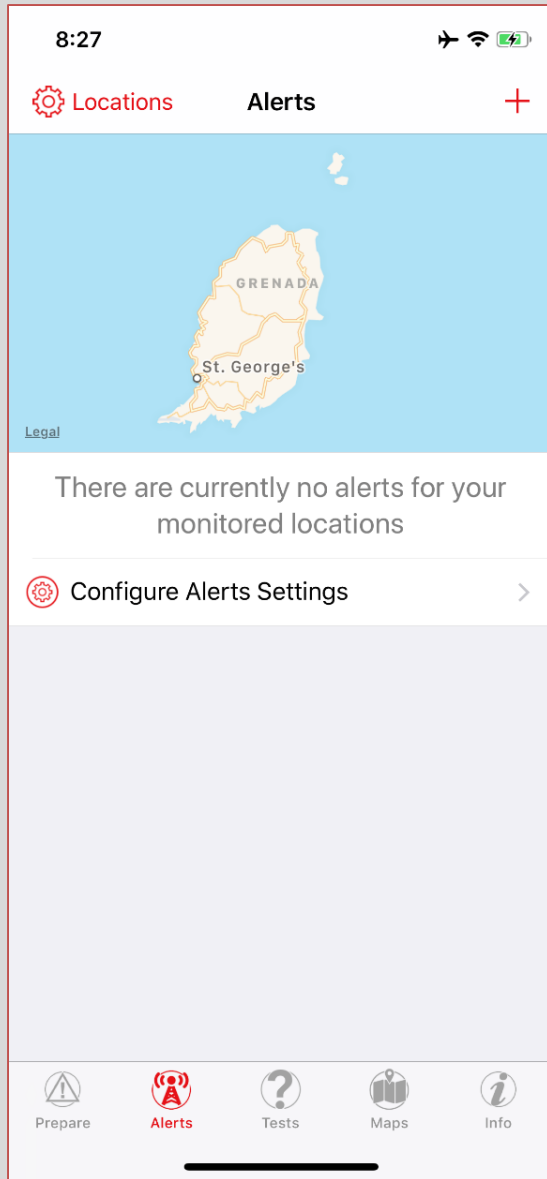
Universal Apps: Multi-Hazard



- App can save user location ensuring they have most up-to-date information
- Geo-targeted notifications allow for emergency info to be focused on specific areas
- ‘What Now’ guidance messages are sent with alerts to give immediate actions
- Toolkit featuring torch, strobe, alarm and “I’m safe” message sharing



Alerts Monitoring



Storm CMS Configuration

Active Events

[Configure Events](#)

- General Notifications ×
- Tsunami Advisory ×
- Tsunami Warning ×
- Tsunami Watch ×
- Hurricane Warning ×
- Hurricane Watch ×
- Flood Warning ×
- Flood Watch ×
- Dense Smoke Advisory ×
- Fire Warning ×
- Earthquake Warning ×

Categories English (EN) ▼

Save

[+ Add category](#)

Title

Code

Icon [+](#)

Page

Order ↑ ↓



General Notifications ▼

[Add](#)

⚠ Hurricane Warning ×

⚠ Hurricane Watch ×

Title

Code

Icon [+](#)

Page

Order ↑ ↓



General Notifications ▼

[Add](#)

⚠ Flood Warning ×

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General Notifications ▼

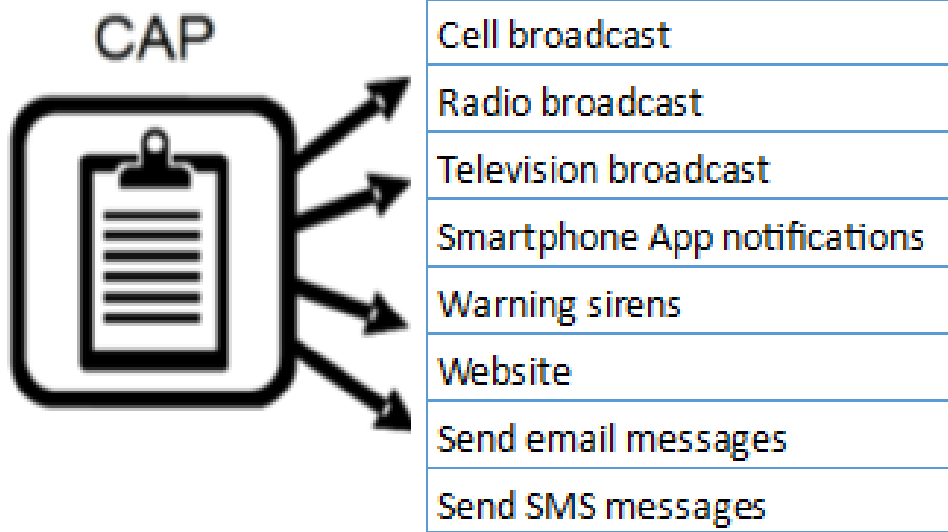
[Add](#)

⚠ Earthquake Warning ×

Storm CMS Configuration

Severe Thunderstorm Warning	Enabled 	
Severe Thunderstorm Watch	Enabled 	
Earthquake Warning	Enabled 	
	(USGS) United States Geological Survey <input type="radio"/>	
	(NOAA) National Oceanic and Atmospheric Administration <input type="radio"/>	
	(GeoNet) GeoNet <input checked="" type="radio"/>	
Icon 	Page <input type="text" value="Earthquake Warning"/>	<input checked="" type="checkbox"/> Default
Excessive Heat Warning		
Excessive Heat Watch		
Heat Advisory		





Hazards Alerting Platform: Ingest and Generate CAP

- The platform receives existing CAP/data feeds from alerting organisations such as USGS, Met Offices.
- Hazards are tagged with a 'what now' message and linked to further in app content.
- Agencies without a CAP originator are setup with a login in the Hazards platform to send attributed geo-targeted alerts.

Notify Send a push notification to these users.

CAP Generate a CAP alert

Page

-

The page is displayed in the "what now" section.

Language

English

Headline

Message

The message sent with this alert.

Alert area



The alert will be sent to all users monitoring a location within the selected area.

Show polygon data

Area description

Event

General Notifications

Type

Alert

Status

Actual

Category

Geo

Urgency

Immediate

Severity

Extreme

Certainty

Observed

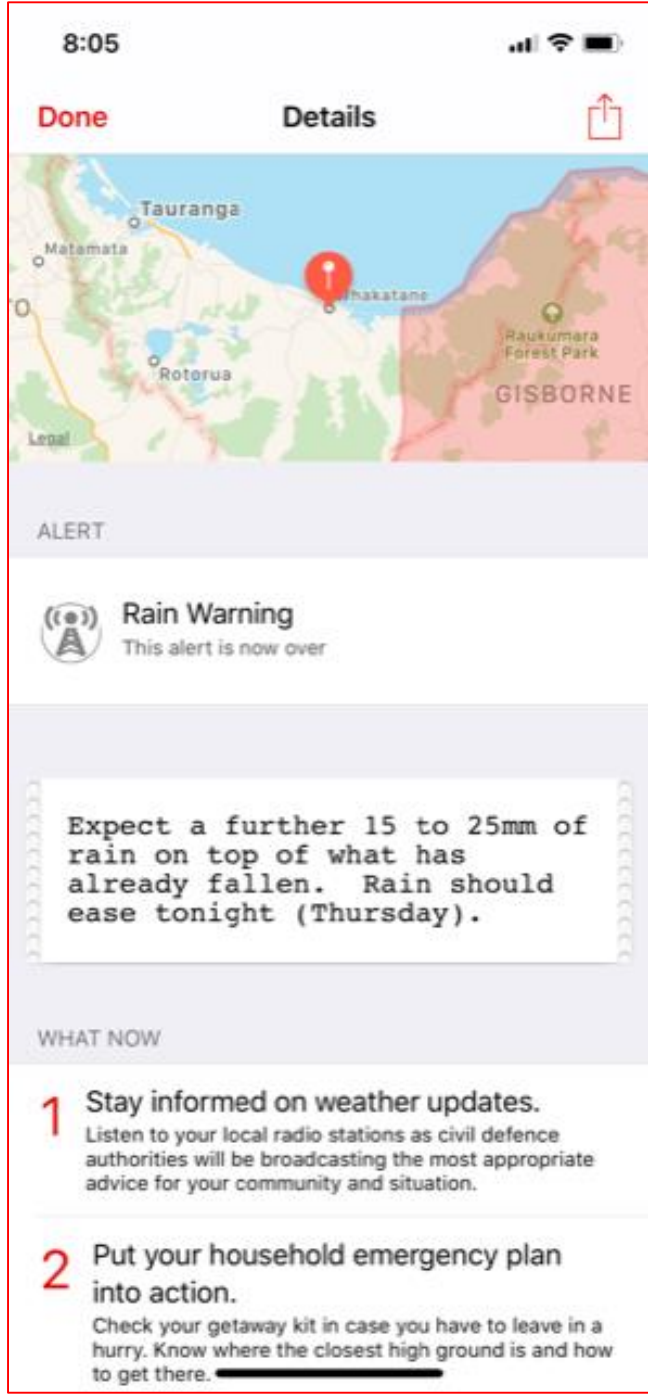
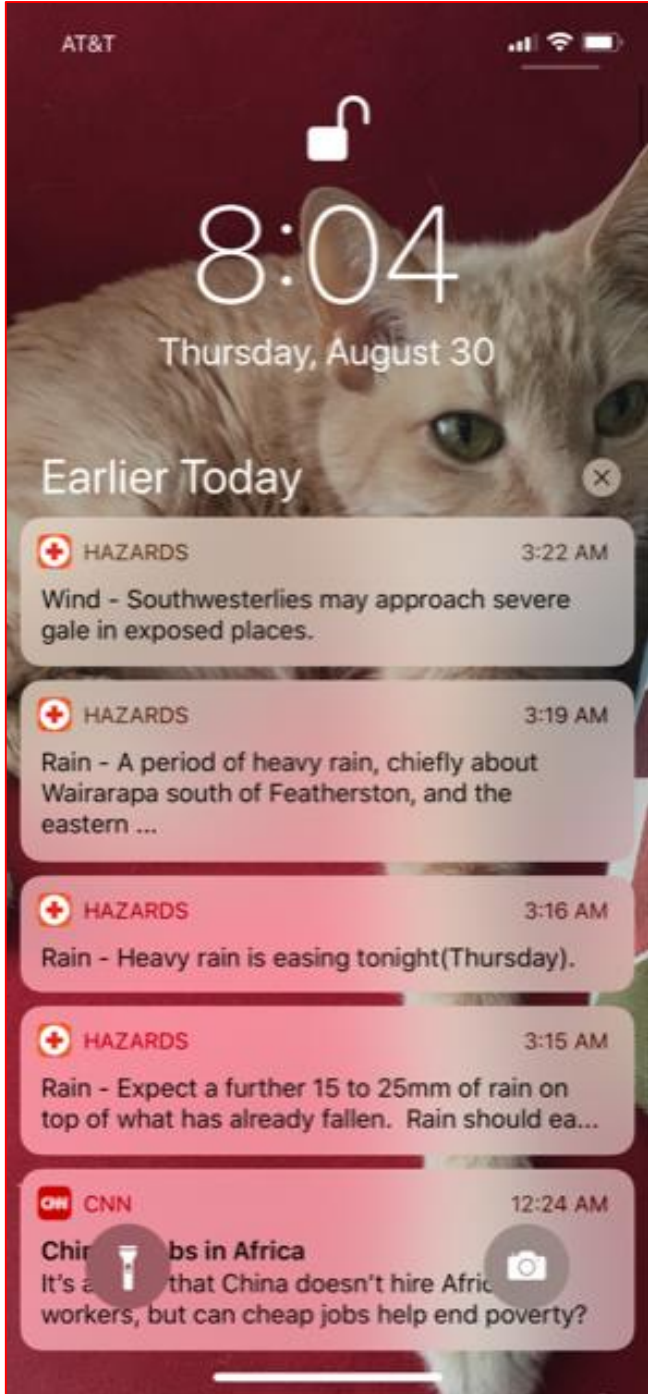
Effective date

2019-03-04 00:00:00

The date this alert will be effective from.



General Notifications



Hazard App User Experience

CAP Feed on WhatNow Portal

The screenshot shows a web browser window with the URL <https://whatnow.preparecenter.org/data/alerts/PHL>. The browser's taskbar includes icons for various applications: Apps, Trello, The Exchange, SharePoint, FY19 3SC Invoices, Mixpanel, PC.org Analytics, Appfigures, Ariba, and ECOS.

The WhatNow Message Portal header features a logo on the left and navigation links: BUILD YOUR APP, DOCS, WHATNOW MESSAGES, FEEDS, and DASHBOARD.

A dark sidebar on the left contains the following menu items: CONTENT USERS (with sub-items: Manage Content Users, Audit Log), CONTENT, and API USAGE.

The main content area has a search filter set to "The Philippine Red Cross". Below this, the title "The Philippine Red Cross Alert Feed" is displayed. The feed contains two alert entries, each with a red circular icon:

- General Notifications**
02/28/19 14:00:00 -06:00 through 02/28/19 18:00:00 -06:00
Area Affected: Severe Weather Bulletin #3-Final as of 4 am, March 1, 2019 For: Low-Pressure Area (Formerly BETTY)
Details: [Philippines Red Cross] Severe Weather Bulletin #...
- General Notifications**
02/28/19 09:00:00 -06:00 through 02/28/19 12:00:00 -06:00
Area Affected: Severe Weather Bulletin #2 as of 11 pm, 28, Feb 2019 For: Tropical Depression "BETTY" (WUTIP)
Details: [Philippines Red Cross] Severe Weather Bulletin #...



WhatNow Service

whatnow.preparecenter.org



STEP ONE: RC/RC National Society uploads contextualized messages on WhatNow Portal

STEP TWO: Media and Partners access through WhatNow API and broadcast messages alongside alerts

WhatNow API:

- Google Alerts
- Weather Apps
- Telecomms SMS
- Cash Transfer Programming
- TV Media

Message Viewer:

- Print and Share
- Social Media
- Radio Programs
- Coordination for RC/RC HQ & Branch Offices



STEP THREE: Communities at risk receive actionable messages from many communication channels

STEP FOUR:
SAFE ACTION



Enabling Action

Global Platform of RC/RC actionable and contextualized messages on how to prepare and respond to local hazards

- ✓ Based on PAPE – evidenced based, key messages for DRR
- ✓ Target audience: households and individuals.
- ✓ Messages contextualized and attributed to National Societies

20+ hazards || 78 languages || 6 urgency levels



Thank you.

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www.preparecenter.org
[@preparecenter](https://twitter.com/preparecenter)



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