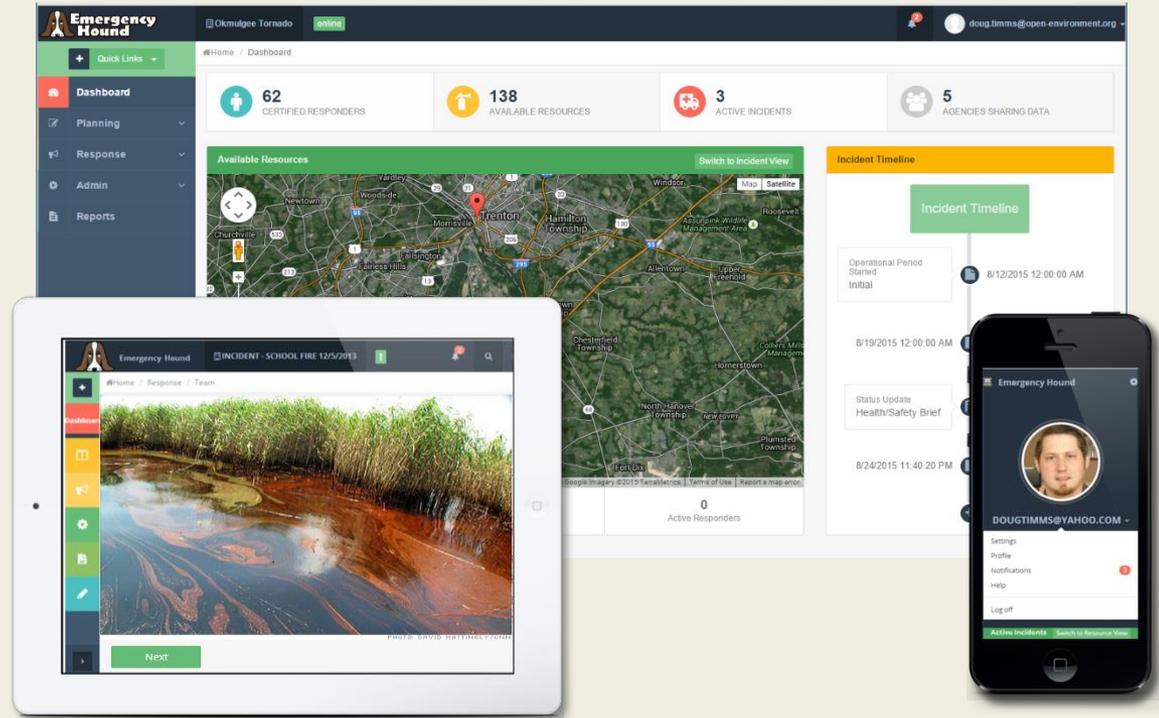


Tribal Emergency Response Project

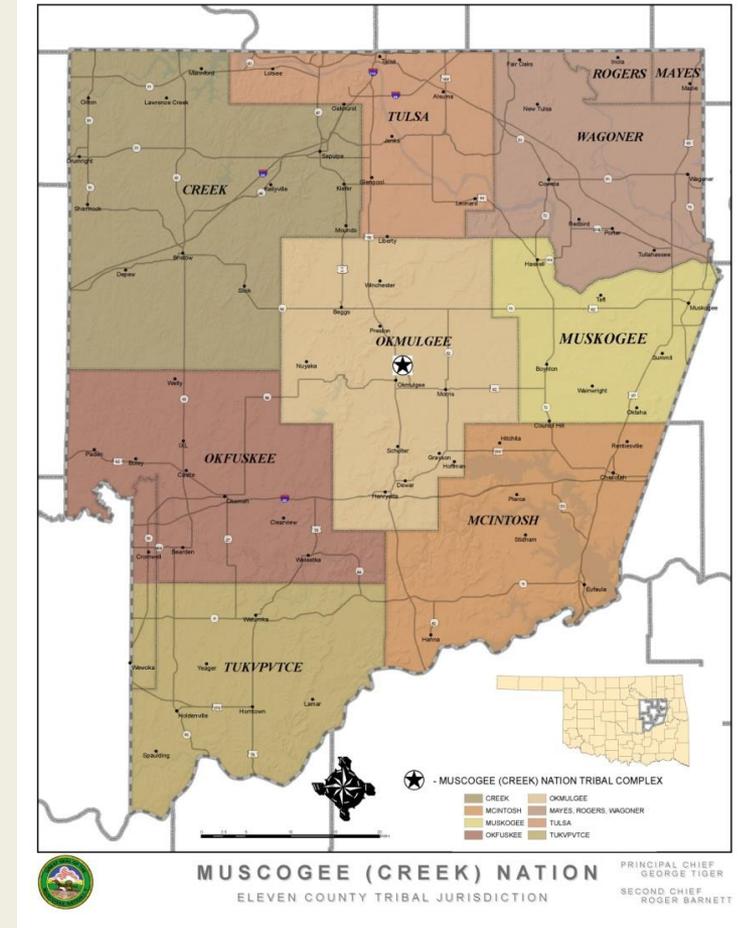
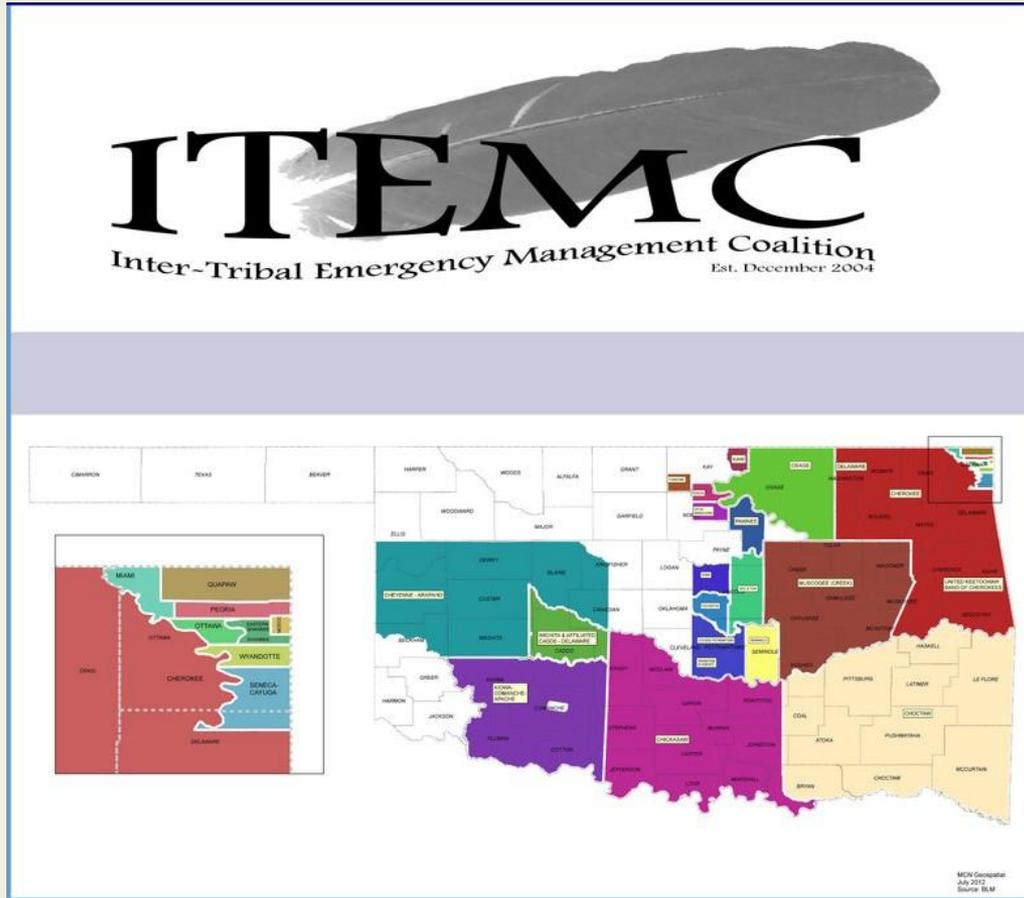


Doug Timms – Open Environment
Frank Harjo – Muscogee Creek Nation

Robert T. Stafford Disaster Relief and Emergency Assistance Act

- 2013 Amendment:
 - ✓ Enabled Tribes to apply directly to FEMA for emergency assistance
 - ✓ Prior to the amendment, tribes had to rely on states to get the disaster declaration
 - ✓ Eastern Band of Cherokee, March 2013, first tribe to apply directly for federal disaster assistance

39 Tribal Nations in Oklahoma



Project Partners: Citizen Potawatomi Nation, Kickapoo Tribe of Oklahoma, Seminole Nation

Project Background

1. Open Source software development
2. Create a Tribal Emergency Management **data standard** that encompasses emergency management planning and response
3. Develop an **application** to allow updates in the field and back to central repository with or without live connection
4. Develop the infrastructure to allow tribal emergency management to expand and incorporate additional tools

Resource & Incident Management

Resource Management

- Maintain listing of emergency responders & updated credentials
 - NIMS Credentialing Standards
- Develop and maintain inventory of resources
 - Integrated with FEMA web services for standardized resource types



Resource Management

- Register EM personnel
- Build Profile
- NIMS Credentials
- Assign Roles
- Incident Command

The screenshot shows the 'Emergency Hound' web application interface. The top navigation bar includes the 'Emergency Hound' logo, the current incident title 'INCIDENT - SCHOOL FIRE 12/5/2013', a green up arrow, a notification bell with a '2' badge, a search icon, and the user profile 'DOUG.TIMMS@OPEN-ENVIRONM'. Below the navigation bar is a breadcrumb trail: 'Home / Response / Team'. The main content area is titled 'Build Incident Command Team' and features a 'Select Starting Template' section. This section displays four organizational chart templates labeled 'Type 5', 'Type 4', 'Type 3', and 'Type 2'. 'Type 5' is a single box. 'Type 4' has a top box connected to two bottom boxes. 'Type 3' has a top box connected to three middle boxes, each of which is connected to two bottom boxes. 'Type 2' has a top box connected to three middle boxes, each of which is connected to two bottom boxes. A green 'Next' button is located at the bottom of the template selection area. On the left side of the interface is a vertical sidebar with various icons: a plus sign, a dashboard icon, a document icon, a megaphone icon, a gear icon, a file icon, a pencil icon, and a right arrow icon.

Resource Management

Emergency Hound Okmulgee Tornado online doug.timms@open-environment.org

Home / Resources / Edit Resource

Basic Resource Info

Resource Type	Count	Unit
Canine Search and Rescue Team – Disaster Response	1	team

Description: Member of East Oklahoma Canine Search and Rescue Dogs.

Status	Jurisdiction	Data Sharing
Available	Muscogee Creek Natic	All Jurisdictions

Latitude	Longitude	Last Verified
Map 40.02459	-74.76565	08/26/2015 09:10 PM Doug Timms

[Verify](#) [Show Verification History](#)

Detailed Info

Personnel - (Dog Team)	Personnel - (-)	Team - (Knowledge and Equipment)
3 handlers	13 dogs	Tailing, Cadaver (Land and Water) and Air Scent

[Close](#) [Save](#)

Incident Management

The screenshot displays the Emergency Hound web application interface. The top navigation bar includes the logo, incident name 'Okmulgee Tornado', and status 'online'. A sidebar on the left contains a 'Quick Links' menu and a main navigation menu with categories: Dashboard, Planning, Response, Admin, and Reports. The 'Response' category is expanded, showing options like Incident Search, Incident Details, Basic Info, Location, Command Team, Status/Timeline, Attachments, Admin, and Reports. The main content area is titled '#Home / Response / Map' and features a breadcrumb trail: 1 Basic Info, 2 Location, 3 Team, 4 Resources, 5 Status, 6 Operational Periods. The 'Incident Location' section is active, showing a satellite map of the Okmulgee area. A brown shaded area on the map represents the 'Impacted Area', which is highlighted with a red box in the interface. A pop-up menu over the map offers options to edit the location, impacted area, or threatened area, and includes a 'Save Impacted Area' button. To the right of the map, the 'Location Description' field contains the text: 'Southwest of city, smoke impacting roads south of Rt. 33 and west of Rt 75.' Below this, form fields for City (Okmulgee), County (Okmulgee), and State (OK) are visible. Latitude and Longitude fields are also present, with values 35.95716 and -96.16521 respectively. A red box highlights the 'Impacted Area' section, which shows 'Area = 1009.38 acres' and a coordinate string: '{lat: 35.97939532955972, lng: -96.16779327392578},{lat:'. At the bottom of the form, there are 'Save' and 'Save and Continue to Team' buttons.

Incident Management

- Review Incident Timeline
- Generate reports
 - Includes FEMA 200 series ICS forms

Emergency Hound | INCIDENT - SCHOOL FIRE 12/5/2013 | DOUG.TIMMS@OPEN-ENVIRONMENT.ORG

Switch Jurisdiction

Dashboard

Planning

Response

Incident Search 309

General Info

Command Team

Command Team

Timeline

Attachments

Timeline

Friday, December 12, 2013 10:00 am
Incident Initiated by John Smith
Scroll Confirmed

12:25 am Notifications Sent to:
Jane Doe (555-111-2222)
James Johnson (555-333-4444)

Incident Updated
Incident location and description updated

10:00 am

INCIDENT BRIEFING (ICS 201)

1. Incident Name Brush fire	2. Incident Number INC-001	3. Date/Time Initiated 8/10/2015 7:00:44 PM
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4. Map/Sketch (include sketch, showing the total area of operations, the incident site/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines, or other graphics depicting situational status and resource assignment)

5. Situation Summary and Health and Safety Briefing (for briefings or transfer of command): Recognize potential incident Health and Safety Hazards and develop necessary measures (remove hazard, provide personal protective equipment, warn people of the hazard) to protect responders from those hazards.

6. Prepared by: Name Position/Title Signature:

7. Current and Planned Objectives:
Objective

8. Current and Planned Actions, Strategies, and Tactics:
Time Actions

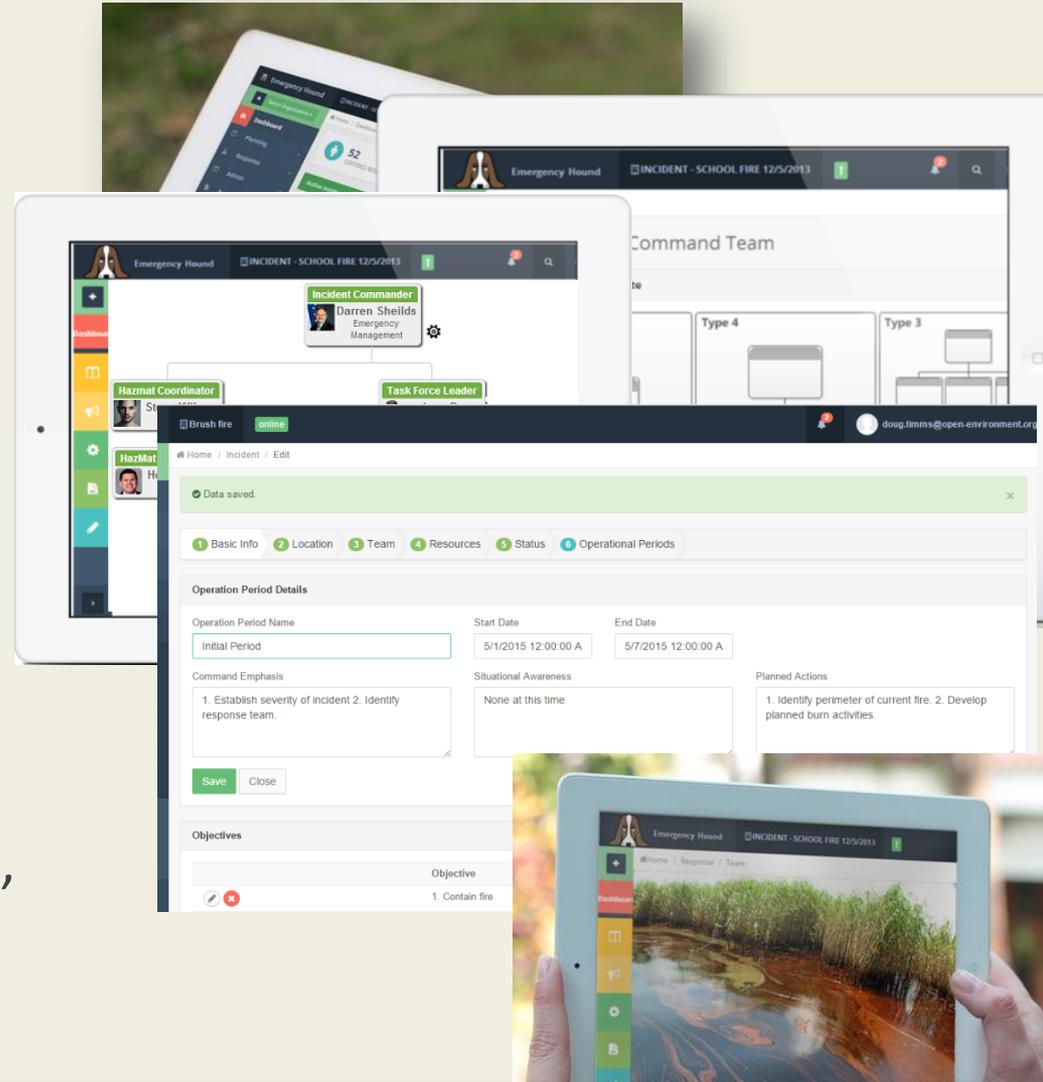
9. Current Organization

10. Resource Summary

Run Report

Incident Response

- Log initial incident info
- Map out incident:
 - Identify nearby environmental concerns (integration with EN web services)
 - Plot impacted & affected areas
- Organize Incident Command Team:
 - Check-in / check-out
- Manage incident objectives, planned actions, operational periods, status updates, health and safety briefings, situational summaries, command emphasis, hazardous material concerns...
- Onsite picture/video logging



System Dashboard

Emergency Hound

INCIDENT - SCHOOL FIRE 12/5/2013 ↑

   DOUG.TIMMS@OPEN-ENVIR

Switch Jurisdiction

Home / Dashboard

52 CERTIFIED RESPONDERS

468 RESOURCES READY

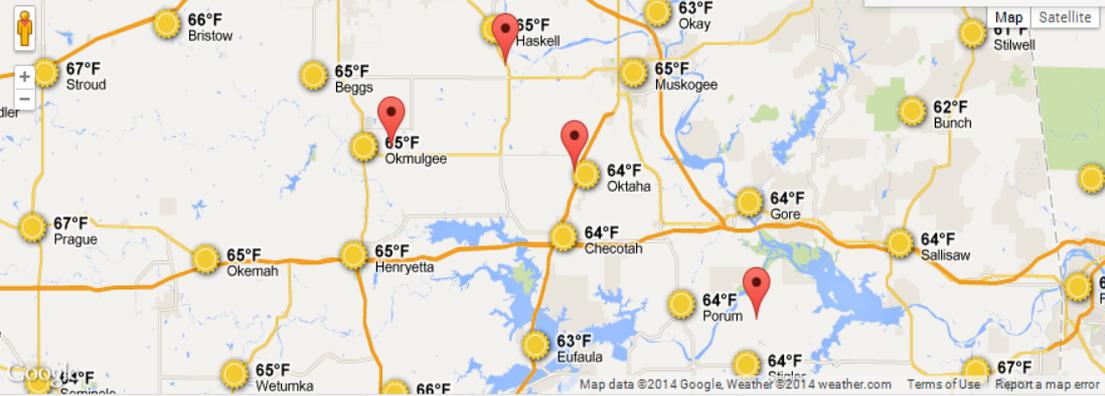
3 AGENCIES SHARING DATA

2 You have 2 notifications

-  Shelter #4 at full capacity
20 minutes ago
-  4 buildings destroyed 2nd St. Beggs
3 hour ago

See all the notifications

Active Incidents



4 Active Incidents

39 Status Updates This Week

4 Active Responders

Timeline

-  **John Smith** started new incident: School Fire 2
-  **Doug Timms** 22 minutes ago
Responder Checks In.
-  **John Doe** 5 minutes ago
Modifies incident information: School Fire.
-  **Jane Williams** completed a task 1 minute ago
Incident Closed: School Fire.

+ more

Todos

- Resources required
- Incidents

Remaining Project Schedule

- **Q4 2015:** Tribal partner review of system; incorporate feedback into Phase C
- **Q1 2016:** Phase C (Complete System)
Publishing to App Stores
- **Q1-Q2 2016:** Regional Training / Outreach Sessions

For More Information

Newsletter:

- <http://www.emergencyhound.com>

Sign up for
project updates

Contact:

- **Frank Harjo:** fharjo@mcn-nsn.gov
- **Doug Timms:** doug.timms@open-environment.org