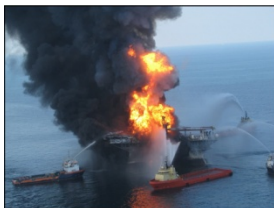


# Environmental Response Management Application (ERMA)








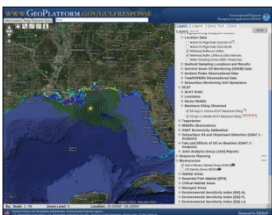
*ERMA Gulf of Mexico  
Deepwater Horizon Oil Spill*

## Overview

Developed by the UNH Research Computing Center in conjunction with the UNH Coastal Response Research Center and NOAA's Office of Response and Restoration, ERMA is a web-based Geographic Information System (GIS) tool. It is designed to improve the coordination efforts of disaster responders and stakeholders by incorporating data from the wide array of responding agencies on a single map interface.

## Key Features

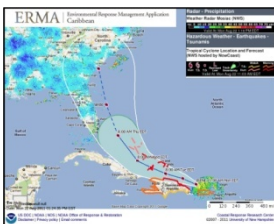
-  Supplies a Common Operational Picture (COP) to aid responders in coordinating their efforts.
-  Provides for the secure upload and download of data such as marine debris, incident command areas, and field surveys on customized maps.
-  Allows the user to choose to view different layers of the map at once, including wreckage locations, fishery statuses, and wildlife observations.
-  Displays timely information on weather forecasts, tides, and shipping traffic.
-  Enables the user to view existing information such as spill response plans and restoration projects.



*Public ERMA site*

## ERMA Deployments

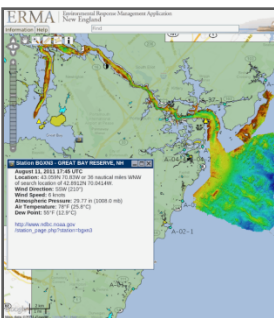
ERMA is specific to a single geographic region because of the nature of the detailed data it presents. Versions of ERMA have been or are being created for the following locations: New England, the Gulf of Mexico, the Caribbean, the South West, Puget Sound, the Arctic, and the Pacific. A public version of the Gulf of Mexico ERMA is available at <http://gomex.erma.noaa.gov>. Additionally, UNH undergraduates, with assistance from UNH Research Computing Center, have created the ERMA-based Dynamic Response Platform (DRP) to be used for coordinated emergency response on a university campus.



*ERMA Caribbean*

## Awards

- ★ ERMA's Deepwater Horizon iteration was honored by Government Computer News for being one of the top ten government websites of 2010.
- ★ ERMA's NOAA collaborators received the 2010 NOAA Administrator's and Technology Transfer Award.
- ★ The Deepwater Horizon version of ERMA is a finalist for the prestigious Partnership for Public Service's Samuel J. Heyman Service to America Medal in the category of Homeland Security.
- ★ The Dynamic Response Platform was awarded first prize in the 2011 UNH Whittemore School of Business and Economics Paul J. Holloway Innovation-to-Market competition.



*ERMA New England  
Pilot ERMA site*