

ERMA is NOT a New Response Technology



Interagency Coordinating Committee on Oil Pollution Research

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Environmental Response Management Application (ERMA)

Contracting Agency: NOAA/CRRC

Estimated Completion: October 2009

ERMA is an open source web-based GIS tool designed for decision-makers during spills and other hazards. It was created by scientists and practitioners from NOAA's Office of Response and Restoration and the University of New Hampshire under the auspices of the Coastal Response Research Center (CRRC). ERMA integrates and synthesizes various real time and static datasets into a single interactive map, thus providing easy and fast visualization of the area under consideration, improving communication and coordination among stakeholders. ERMA captures base data and incorporates high resolution data relevant to site-specific decision-making. These data can include real time weather and ocean observations, restoration projects, multi-jurisdictionally managed areas and priorities defined by local stakeholders. ERMA allows users to interact directly to upload/download relevant data on the fly. ERMA allows users with diverse abilities to create graphic overlays, special labels, and areas of interest. ERMA can link to documents and plans and to temporal queries to ESI data. All data layers and tool functionalities meet open source compatibility standards enabling users to leverage ERMA data in Google Earth or ArcGIS. ERMA was developed for Portsmouth Harbor, NH as a prototype and is being expanded to support SONS 2010. The second generation of ERMA was developed for the US Caribbean and will be operational Oct 1, 2009.

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