



Emergency Management Issues Special Interest Group Annual Meeting

ORNL Ready:

A Web-based Geospatial Visualization Tool for Emergency Management and Response

**Developed jointly by
The Energy and Environmental Sciences and
Facilities and Operations Directorates at
Oak Ridge National Laboratory**

May 2-5, 2011 Charleston Marriott • Charleston, South Carolina



ORNLReady

- A data driven geospatial visualization tool that
 - Prepares ORNL for scheduled and unscheduled events through careful planning and exercises
 - Assists ORNL in rapid emergency response through comprehensive state-awareness and seamless coordination

ORNLReady

- Currently used by the Laboratory Shift Superintendent (LSS) and the Emergency Operations Center (EOC) during day to day operations, exercises, and event responses.
- Provides the ability to quantify and visualize potential consequences (e.g., buildings, assets, and employees impacted) of events.

ORNLReady

Developed by leveraging research and operational capabilities in ORNL producing

- **Regional Data:**

 - ORNL data layers and data for the six surrounding counties

- **Visualization Tools:**

 - mapping interface, aerial imagery, navigation tools, Google Earth

- **Analytical Tools:**

 - plume modeling, bomb card, standoff, risk index