Magello

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Outline

1. Introduction to Magello Project
   a. Magello Overview
   b. site layout

2. Objectives
   a. Building Magello into a national tool- NY/NJ, San Francisco, Puerto Rico
   b. Customizable Magello- Coast Guard and OEM
   c. Community outreach- Air Quality Measurements
   d. General Improvements

3. Results/Demo

4. Future Steps
Magello Overview

• Integrates high resolution oceanic and atmospheric forecasting, plume modeling and real-time urban information that can assist decision-makers and emergency responders prepare for, respond to, and recover from a catastrophic event.

• Web-based user-friendly Google Earth™ platform.

• Overlays allow end-users to view various information on a single user interface.

• Magello is a customizable tool
There is an explosion on a vessel currently passing the South most tip of Manhattan. The explosion results in a fire on-board and an oil spill. It is a clear and windy, summer day.
Implement Tracking tool into Magello

Use My Maps Editor app (by NextBusinessSystem Co. Ltd.)
Community Outreach: Air Quality Eggs

from AirNow.gov

AIR QUALITY INFORMATION
Newark, NJ
Current Conditions
Unhealthy for Sensitive Groups
PM2.5
Sensitive Groups 100
National Air-Quality

Update_time: 07/02/2014 04:00 EDT
General Improvements
Areas of Responsibility between EPA and USCG
Broken Link Warning
Future Steps

● Dashboard per lat/lon.
● Site security
● Water Quality
Dashboard per lat./lon.

Madison Square Garden New York, NY

Lat: 
Lon: 
SST: 
Currents: 
Salinity: 
Air temp: 
Wind V: 
Wind Dir:
Security

User Profile

Group Profile

➢ email account
➢ customized information
Water Quality

- Add water quality data to the air quality layer
- Found data provided by two different sources
  - +Pool
  - RiverKeeper.org

*in the process of researching the best option*
We would like to extend a special thank you to:

- Benjamin Stevenson, Program Analyst, NUSTL and colleagues.
- Kevin Clark, Operations Manager / Response, OEM, and colleagues.
- Chris Klarmann, USCG Incident Management Division, Sector New York, and colleagues.
- Jerry Bynum, Port Security Specialist, Sector San Francisco and colleagues.
- Julie Pullen, Director, CSR - Stevens Institute of Technology.
- Tal Meir, Mentor, Stevens Institute of Technology.
- Grace Python, Mentor, Stevens Institute of Technology.
Questions