

Enhancing Water Quality Analysis through HERE

2011 Exchange Network National Meeting
Denver, Colorado

Session #11
Network Innovations and Success Stories in Water
Wednesday April 28th, 2011

Problem Statement

The Gulf States have experienced unprecedented natural disasters that have amplified the need for remote and intuitive access environmental data during emergency response and recovery efforts. These scenarios have also resulted in massive and long term remediation challenges, as pollution from hurricane inflicted devastation and flooding have resulted an ongoing health risks.

Project Goal

- (Original Goal) This project will allow emergency management officials the ability to view and analyze ambient water quality conditions in relation to potential and actual sources of contamination, and sensitive receptors such as medical facilities, schools, and nursing homes, and to track change over time as emergency situations evolve.
- (How it can be applied more broadly – a broader project goal – oil spill, etc.) This project will allow **water quality stewards** the ability to view and analyze ambient water quality conditions in relation to sensitive receptors such as **endangered species, beaches, habitat**, and to track change over time.

Exchange Network Solution

- Apply principles of EN – REUSE!!!
 - Leverage what is already built
 - Reuse of HERE
 - Reuse of WQX
 - Build so others may use/enhance (to solve multiple business needs or project goals?)
 - GOMA
 - Oil Spill
 - Other co-managed waterbodies

Project Scope

- Funding (partial – recognize need to manage scope)
- Business Need – one solution – multiple projects
 - Supports state specific and joint project
 - Supports GOMA
 - Supports other???
- Existing HERE functionality
 - Facility
 - CAFO??

Project Workplan

- Activities to date
 - Identified business need
 - Tuesday March 22 - Kick off conference call
 - April 4 – 8 - On Site meetings
 - Technical – more details?
 - Water quality requirements gathering – more details?
- Next Steps/still do to...
 - Submit design to DMAC for comments

HERE Demonstration/WQ Prototype

- Do we need a slide here w/ major components identified or just a demo?
- This is Guy's part...

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