Coastal Response Research Center

Portsmouth Harbor Initiative
Workshop Notes
6/27/07

Group 1. Reporter: Amy Holman

I. Questions

Positive point: user interface, speed
- Need to know more about the trajectory model
    - how to get planning access
    - add link to how to get GNOME products
- How and who updates the website?
- How stable will the site be during a response?
- How will access rights be handled?
    - need options for input and read-only
- Where does this fit in ICS?
    o How will it keep up with the pace of the response?
- How does this system get selected for use in the response?
- What is the initial operating & management costs?
- Too slow on wireless
- Current design of overlaying full layers is data intensive; is there a way to extract needed data from the layer?
- May not be practical in remote areas
- Who controls access?
- How to upload your data
- Is query manager linked to this?
- Connect to EPA GIS people in Boston
- How would this feed other information management systems?
    o i.e., EPAOSC, ResponseLink, ASIN
- What are the legal implications?

II. Datasets
- Categorize datasets (Q1?)
    - different combinations for different purpose
- List of what data exists (log file) and time stamps
    – what's the most current data
- Hazard (e.g., chemical, MSDS, etc.) information
- Public page for press releases
- Reference EPAOSC.net
- Link to/info extracted from ACP

- Integrate GRP, booming strategies
- SCRIBE (EPA)
  - sampling and data management package
- Equipment (Response) location
- Boat ramps/Access Points
- Sampling locations and results
- Deployment locations
- Staging areas
- Land use
- Land based facility info (EPA)
- Outfalls
- Critical infrastructure, critical resources
- EPA/USCG jurisdiction boundary
- Naval Shipyard non –public facility and other data
- Access point to other facility databases

III. Possible Uses
- Mitigation and Protection strategies – must have high confidence in the data
- Pre-staging of equipment
- Does the program capture what's available in a specific area
  - (e.g., Portsmouth vs. Portland)?
- NRDA R
- Training tool/preparedness training
- Homeland security applications
- Situation awareness of offsite parties/EOC monitoring

IV. Comments
     Great product!
          - easy to use
          - amazed at what can be brought together

Group 2. Reporter: Bill Conner

I. Reactions
- Good interface (Google)
- Multiple data sources – plus
- Some info needs to be secure
- Wow
- Need to be thoughtful about access levels and times
- Make sure to collaborate with others who have similar systems
- Advantage to have everything in one place

- Concern: Long-term maintenance
- Will it be used?
  - Responsible Party must accept it

II. Uses
- Incident command – COP for decision making (IAP)
  - i.e., where to deploy boom
- Facilities plans (to respond to spills)
- Drills/trainings
- Area familiarization
- NRDA/Restoration planning
- Education

III. Other Data
- "Best" weather information
- Real time/recent data on wildlife, etc.
- Storm surge prediction
- Nexrad loop
- Interactivity between ESI data and spill trajectory
- Synthesis of SCAT data to support cleanup plan
- Real time location of deployed assets
- Over flight results
- Automatic update of Key outputs to post by SitUnit

Group 3. Reporter: Betsy Nicholson

I. Concerns
- Internet dependency (storms)
  - reliability
  - support
- Website management
- System security
- Data accessibility
  - classified data used?
  - all data
- Ease of incorporating new layers in real time
- Build in organizing structure to narrow type of response/use/decision
- Build in ICS link/protocol
  - for SCAT forms, ICS forms, blank forms
- Need for standard print layout and input
- Link to Web Emergency Operation Center
- Who inputs and maintains real time data?

Comments:

+ Easy to use

+ Ease of mgmt incident review

II. Possible Uses
- Fisheries closures
- Categorize different spill scenario
- Predictive real time
  - Storm impact – slosh, storm surge model hurvac
- Flooding /inundation
- Natural resource damage assessment
- Response planning tool
- Cost recovery
- Harmful algal blooms

III. Data Needs
- Defined geographic extent
- Human population density/census
- Air plume modeling
- Low tide aerial photography
- Response assets database (be able to link to this)
- Coastal structures (boat ramp, staging areas, hotel/restaurants)
- General access to state GIS (i.e., water intakes)
- Human use / socioeconomic data
- Environmental /Natural resource sampling stations
- Areas of commercial use (aquaculture, shellfish, etc.)
- MTS/Port data to determine impact
- Links to area and task specific photographs (booming)
- Trend analysis on sampling

Group 4. Reporter: Ru Morrison

I. Needs
- On land facilities (e.g., tanks)
- Use in natural disasters, security response
- Trajectories for inland issues (e.g., Katrina)
- Facility reps. to have access to data, models
- Communication to media via platform
  - spill updates
  - photos
  - to help keep facts straight

II. Data
- Equipment data
- Responder data (info on spill folks: who, where)
- Photos, video clips of site locations (e.g. boat launch)
- Sediment data – chemistry
  - grain size
  - chemistry
- Background data
  - H_2O quality
  - sediment data
- Additional forms (e.g., incident action forms)
  - personnel tracking
- Tracking material spilled – spilled, recovered
- Important parties in a particular area
  - State, Fed.folks to contact
- Important docs (e.g., MOAs)
- Priorities lists for response
- List of stakeholders (keep up to date)
- AIS data – very helpful

III. Users
- Regulators
- Potential responsible parties
- Responders
- Researchers

IV. Uses
- NRDA
- Press releases/media
- General public – educational tool
- "Conference call" decision making model

V. Concerns/Questions
- Maintenance –support
- Keeping up to date
- Can you have a "backup" of system on your computer: updatable, with data of interest?
- Printing maps with data
- "Practice mode" option for drills / simulation capabilities
- Stability

Group 5. Reporter: Kurt Schwehr

I. **Concerns**
- Has possibilities
- How will we get access and infrastructure?
- Field wireless access
- Scanning forms in field – how?
- Security of Data (e.g. details of tank contents)
- Struggling on Resource tool - seems more for planning

II. **Need**
- Access to existing response plan
- Agency equipment - locations and points of contact / status of the equipment
- How does this integrate with command systems?
  - System level (people and data) integration
  - USCG Response software – crossing in security boundaries
  - → Unified Command → who is running this?
- Who is doing this/who updates, changes data?
  - Sustainability – broken links
  - Stand alone version from off-site
  - Cell upload of field data
  - Lots of different roles for people
- AIS vs IN MSLE PISTCES – How does this fit in CMD structure?
- Command & control/trajectory issues
- Portsmouth
  - Need to get people who currently do this and their tools
  - EPA is doing data collections & web management
  - Not cove vs. cove → "Save Great Bay"
  - Response plan book
    - Share files DES
    - ??? GIS is monopolized so go to the book

Liked – map server is way faster than ESRI

III. **Data**
- Decisions require mixing data
- Depends on what your role is
- Overlap of trajectories and area of type
- Need to be able to inject decisions from GIS traditional tools
- Given real time today →need 6, 12, 18, 24 hour forecasts

- Can't link to a hydrodynamic model
  - Only upload pictures
  - Time tagged
  - Or movie → play movie on the DHSE map
- Minimal training "where it is that easy"
- "What is live" vs. "what is static" needs to be clear/obvious on display
- How do you update the trajectory
  - Export bathy from view → to real time observation data file
- Need standards for how data comes in
  - e.g., SCAT – how does it come in – via PDA? Realtime upload?
  - Don't want two upload paths
- Server changes with every response – on site
- NOAA's role
  - Support USCG
  - Public trustee for resources
  - Scientific Support Coordinator
- Would EPA use this? EPA is developing their own (EPA OSE Net map system)
- "Home Port"
- Planning Session
  - When people call what do they worry about?
  - Where does it fit in the command post?
- Command System
  - NOAA posts on a site
  - MISLE
- MISLE – USCG coordinator across sectors
  - Talk to USCG RDC about commands
- Drink Intakes
- Ground water well protection areas
- Facilities response plan (eg. large oil)
- "Risk Management Plan"
- Acronym page
- EPA has laptop with data - wants this tool to develop specific strategies