



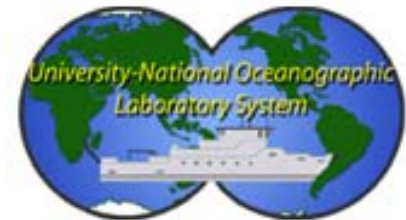
# R2R Shipboard Sampling Event Logger Break Out Group ~ Report Out

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# ■ Cruise Sampling Event Log (device deployment metadata for science)

➤ Leads: Cyndy Chandler and Alex Dorsk

➤ Facilitator:  
Andy Maffei



## R2R scientific sampling event log

### Who?

- 17 registered / 32 participants
- 15 organizations represented
- Technicians, managers and science support personnel

## R2R scientific sampling event log

### What?

- Brief history of event logger project
- Alex described the design process and gave a demonstration of the event logger prototype developed during the R2R pilot study
- Discussion generated some excellent suggestions for design improvements

## R2R scientific sampling event log

What . . . the R2R Event Logger is not . . .

- mandatory
- a data logger (just event metadata)
- finished (still a prototype)
- a replacement for existing event logger systems

## Highlights

- a digital event logging application would simplify the creation of a cruise event log and reduce errors
- final event log should be an electronic file in plain text (TSV, CSV, XML)
- R2R will work with RVTEC and others to define a common event log format specification

## Survey results

- time+nav data source available as UDP or serial
- many vessels already support an event logging system (eLOG, SCS, several home grown)
- several good 'wish list' suggestions that we had not heard before

## Next steps

- Design iteration and code updates
- Deployment and testing
  - Knorr BGC cruise ~ Yager/June 2010
- Define a deployment strategy . . . ?
  - R2R cruise in-a-box (laptop) <- possibly ?
    - Virtual machine
    - Data harvester (serial data stream)



## Next steps

- Form an event logger advisory group
  
- Development of “controlled” vocabularies
  - Instrument
  - Event activity descriptor (deploy, recover)

Test site: <http://dmoserv2.who.edu:8080/EventLoggerDev/eventlogger/test/>



thank you

