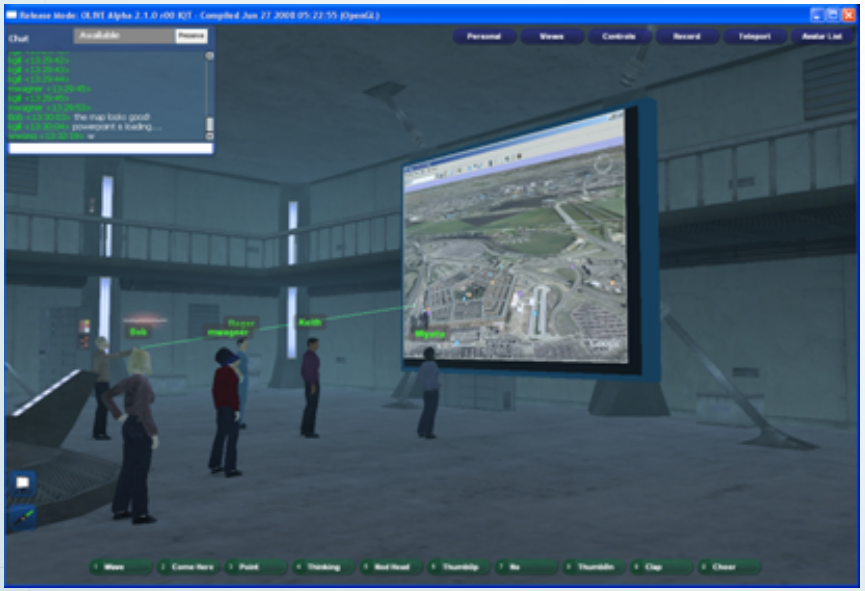
Knowledge Management in the Age of Zillionics



Michael Macedonia

Zillionics

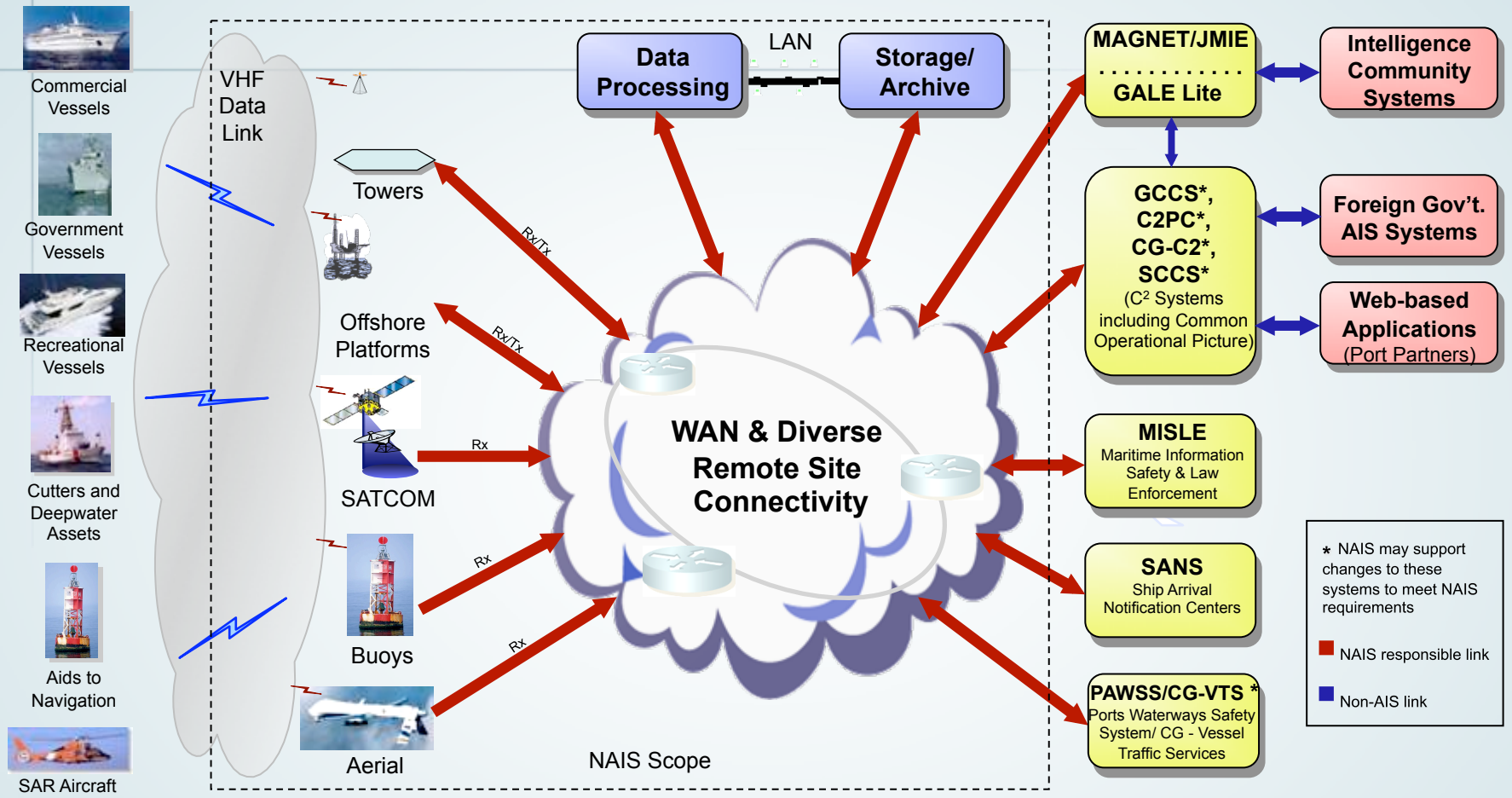
"Ubiquitous always-on sensors in bodies and environment will transform medical, environmental, and space sciences.

Unrelenting rivers of sensory data will flow day and night from zillions of sources."

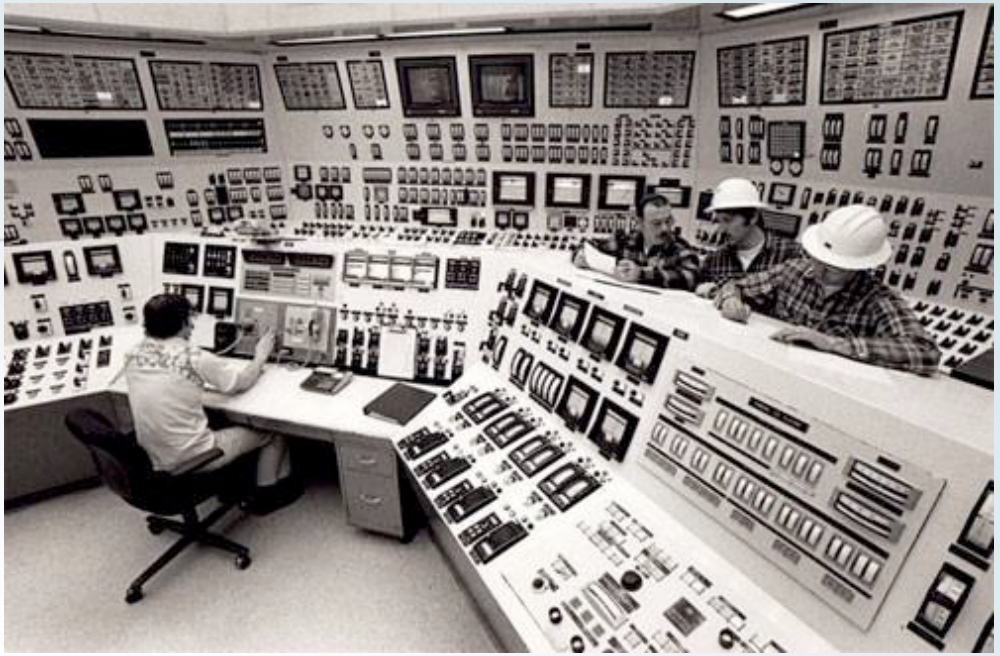
Kevin Kelly

Photo # USN 1162165 USS Spruance, combat information center, 1975

What Happens When the Fleet Joins the Net

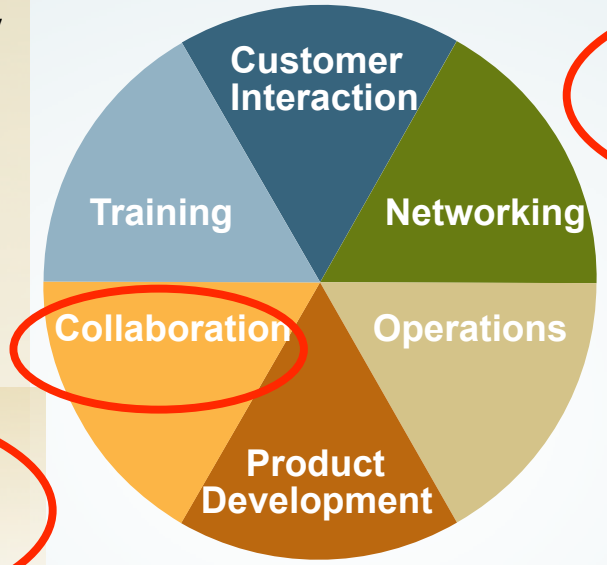


Nationwide AIS System Context Diagram



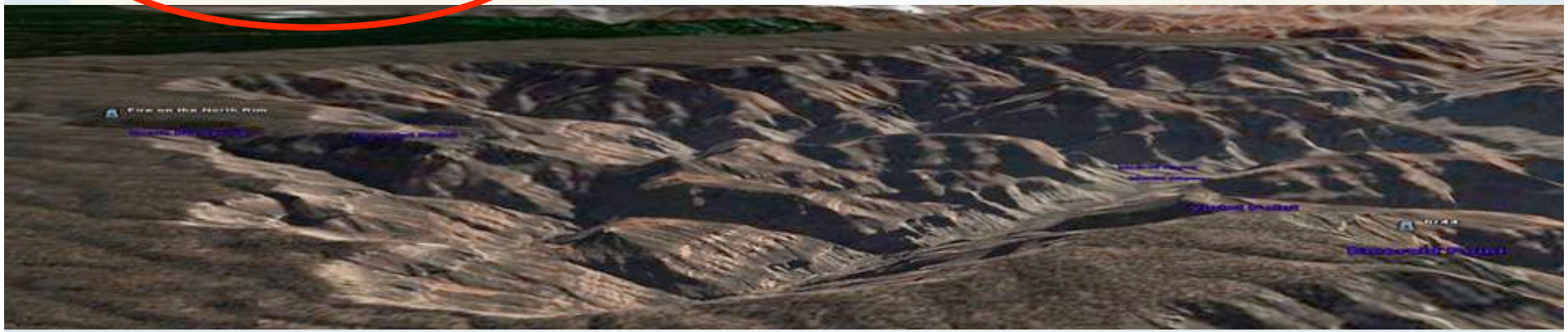
Connecting Virtual to Real

- Real-time connectivity to enterprise data
  - Pricing data
  - Medical records
  - City zoning maps
  - CAD data

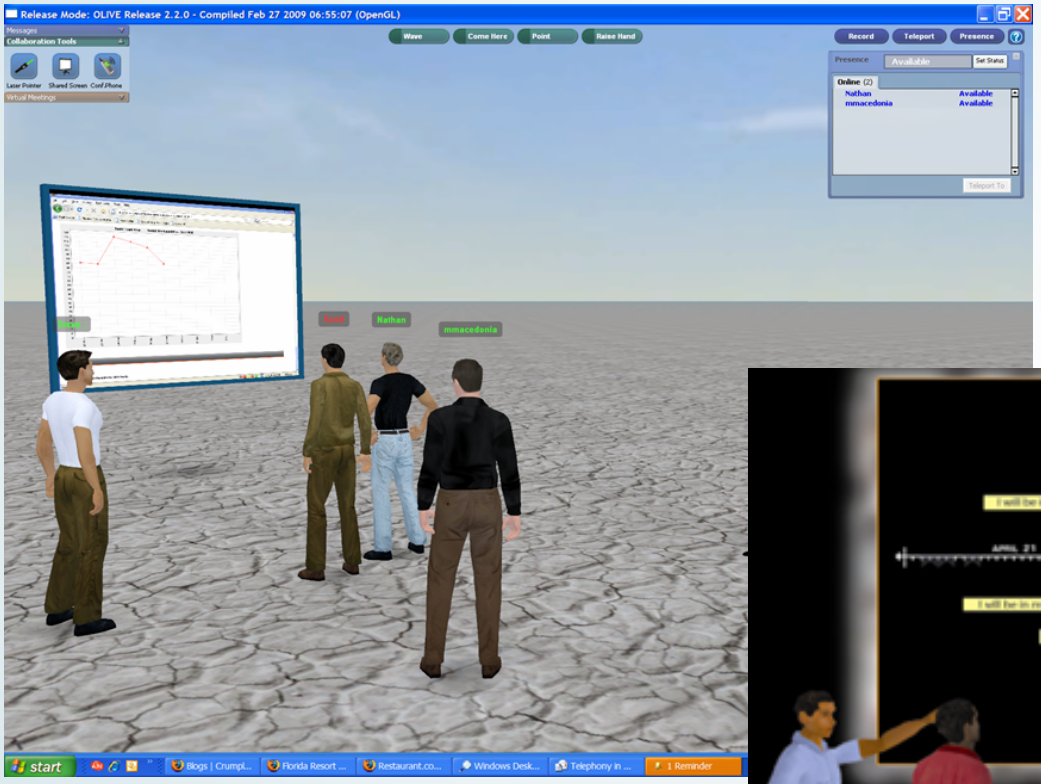


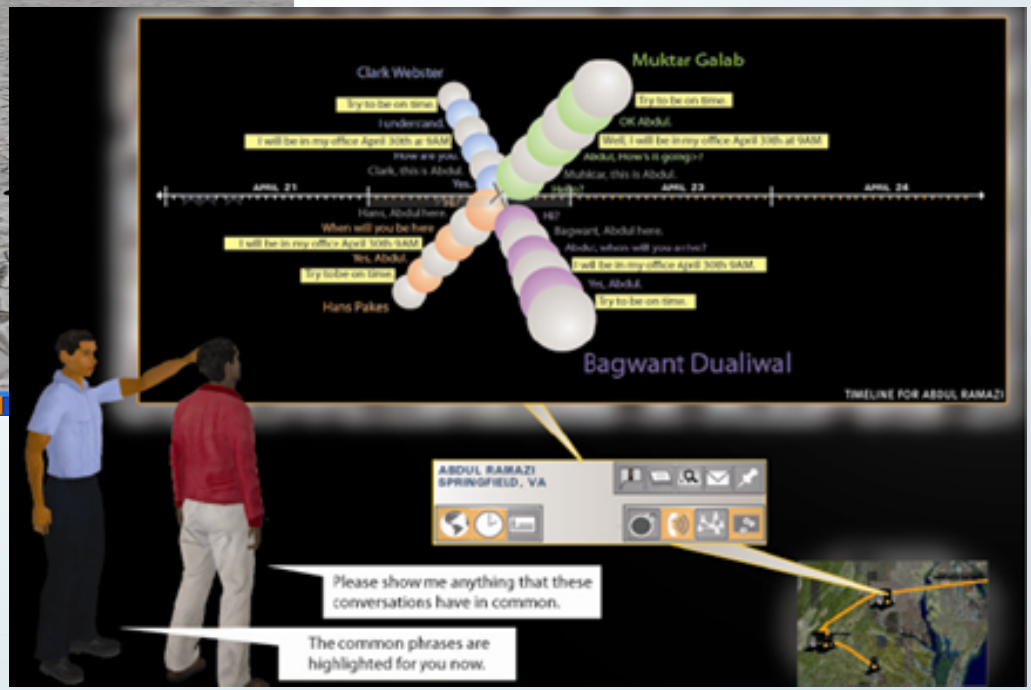
- GPS
- RFID
- Imagery
- Live video
- Medical monitors
- Sensor telemetry

- Virtual model of real earth location



Our Workspace

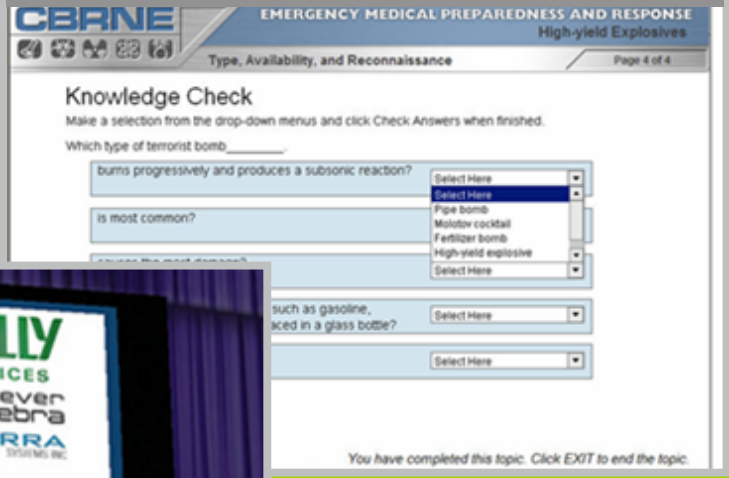




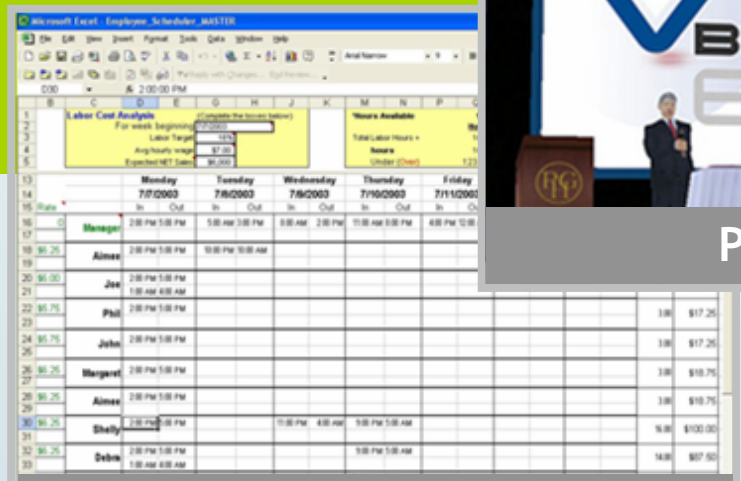
Integrating Contemporary Tools in Virtual Worlds

Video or Flash Based Web Content

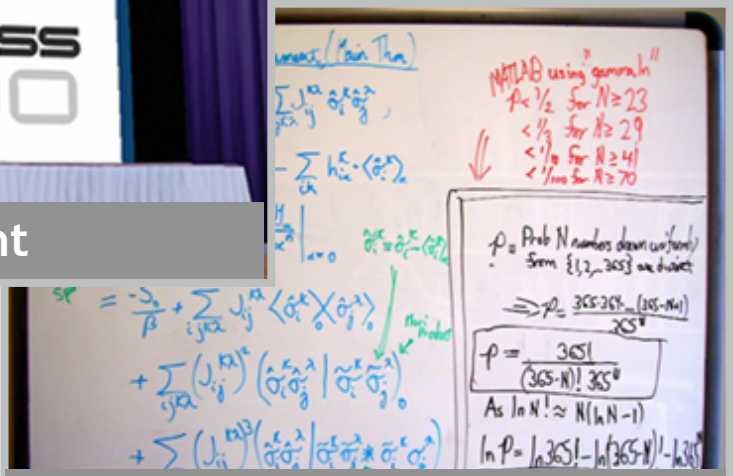
Sharable Content Object



PowerPoint



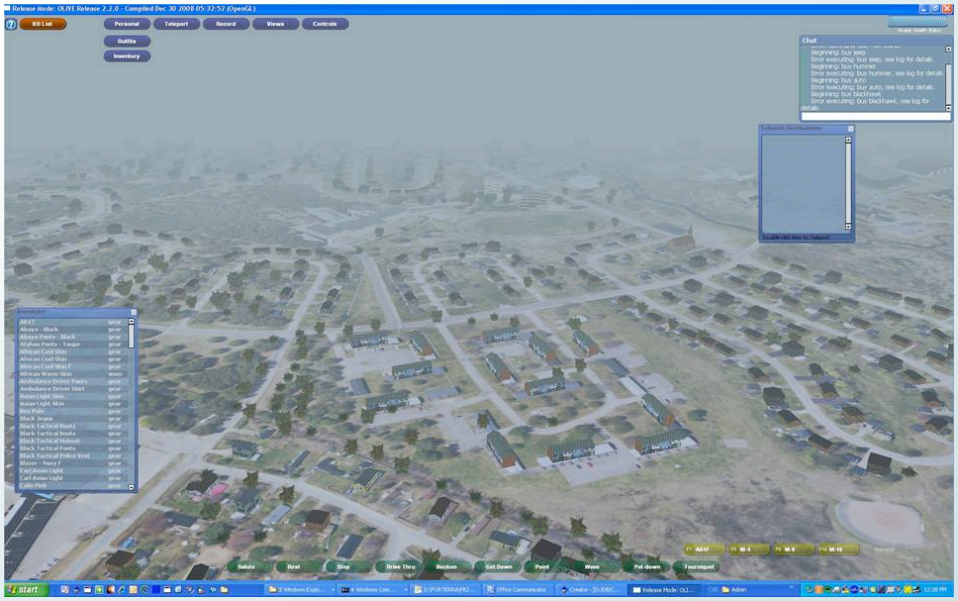
Desktop Applications



White Board

Collaboration in Context

Making it Real in Geo-specific Virtual Worlds



Processing Information Through a Community

Executing Decisions in Cyberspace

Summary

- Virtual worlds offer a way to make sense of it all
- Keys are collaboration and context
- Put the data in context
- Put the data and people in the virtual world