



# Southern California Marine Monitoring Conference IV

## Summary of Break-Out Sessions

Aquarium of the Pacific  
Long Beach, CA  
April 25, 2006

# What Qualities/Characteristics Should SCCOOS Develop To Provide Framework?

- The ability to obtain data / get permission
- Tailor data for different audiences
- Cover a vast range of data retrieving abilities
- Flexibility in data to look at large and small scale perspectives
- Water Quality / Pollution Impact
- Impacts on Human Health
- Baseline Info and Changes
- On-line forms for data submission and data requests
- Human being to contact for more information

# What Qualities/Characteristics Should SCCOOS Develop To Provide Framework?

- Real time or summary data—they are handled differently.
- Wide range of data that needs to be integrated—oceanographic, physical and biological
- Multiple mechanisms for data input—automated vs human-done
- Easy to navigate and access
- Well described meta data—what are we looking at?
- Historical data sets are critical—not really monitoring without the long view
- Local and regional products—daily / long range
- Display in visually accessible manner
- Geographic display /index—small to large scale geo orientation
- Multi-lingual
- News alerts
- Ability to receive and distribute metadata
- Referrals to PI, or Data Managers and Collectors
- Layered information into cohesive
- One-stop shopping source—portal or gateway...start with SCCOOS!
- Common site linking so people don't know they are leaving SCCOOS
- Search Engine
- Spatial Context

# What Qualities/Characteristics Should SCCOOS Develop To Provide Framework?

- Standardized ways to control and give data
- Agreed-upon format /strategy to share data
- Determine a way of providing data: Cafeteria or Gatekeeper?
- Two tiers of data: simple vs. complex—appropriate for use
- Assign a quality role. Assimilating like data
- Prepare aggregate data on CD, annually
- Include PDFs on website
- Include layered images

# What Qualities/Characteristics Should SCCOOS Develop To Provide Framework?

- Application for oil-spill impacts—timely decisions for response
- Formats / Computer Literacy / Participation by Those Contributing Data
- Quality assurance for data content
- Lack of awareness by stakeholders of SCCOOS' existence and purpose
- Should not be proprietary, but credit should be given to provider
- Recognize need to determine the difference between certifiable and additional data that might add to knowledge and discussion
- User should be able to determine the difference in data quality and application and crediting
- Source of training for citizen groups
- Longevity

# What Qualities/Characteristics Should SCCOOS Develop To Provide Framework?

- Meta Data—User should take the responsibility...? (volume)
- Organization based on a data base—query by field, spatial, temporal, author, common data types, etc.
- Synthesizing data: make as flexible as possible
- All data that come in should be public
- Products should be appropriate to all different uses—customize where necessary
- Various access options—international signage
- Provide data of water quality to National Weather Service. SCCOOS does not issue alerts, but helps those who do

# Barriers to Data Integration, Dissemination and Collaboration?

- Funding, Funding Funding
- Lack of structure
- Calculation and processing limits by computer
- Scientific literacy of first time users
- Language issues
- Proprietary issues
- Delays in real time data
- Multiple locations of similar data
- Quality assurance of data
- Competing with data from other sites
- SCCOOS 'clearinghouse' for archived data from other sites
- Cross communication / Consistency and integrity of data from other sites
- Marketing of the SCCOOS sites
- Liability concerns...sewage example?
- Accountability
- Territorialism Concerns
- Integration Process Concerns
- Data storage
- Confidence in SCCOOS--level of commitment and data quality
- Resource protection—password protection

# Our List of Potential Customers and Their Data Needs

- Fish and Game
- Private businesses
- Recreational groups
- Legislative
- Land Use
- Desalinization
- Tracking management
- Search and Rescue
- Sand Deposition Models
- Ocean Literacy
- Improve existing biological models
- Public Utilities
- Life Guards
- Pharmaceutical
- Oil and Mineral
- Coast Guard / Military



# Our List of Potential Customers and Their Data Needs

- Teachers
- Students
- Local, Regional and Federal politicians / municipalities
- Resources Agencies
- Commercial users
- NGOs and Advocates
- Researchers
- Consumers of sea food
- Local sport , recreational and commercial fisherman
- THE AQUARIUM
- Commercial boaters
- Transportation Data
- Media
- General Public—swimmers, divers, boaters, fisher people, beach users
- Regulatory Agencies

# Data Sets For Two Select Customers

- Commercial and Recreational Fisher people
  - Biological, historical data
  - Real time meteorological data
  - Trajectory data models
  - Pollution
- Regulatory Agencies
  - Raw data, but not for analysis—they may want to do it themselves
  - Regional data / Ecosystem data
  - Access to geographic information
  - Biological and Oceanographic data
  - Anthropogenic vs Natural Causes and How to Respond

# Data Sets For Two Select Customers

- Public Health
  - Swimming advisories
  - Sea Food Watch
  - Dispersal and Propagation
  - Dissolved Oxygen
  - Rainfall /Atmospheric Conditions
  - Domoic acid

# Data Sets For Two Select Customers

- General Public
  - How many times has this beach been closed?
  - Red tide?
  - Historical statistics covering any number of public concerns
- Policy Makers