

## **Ocean Protection Council Science Advisory Team (OPC-SAT) Annual Meeting**

Wednesday, September 10, 2008  
Oceano Hotel, Mirada Room  
Half Moon Bay, CA  
8:00 a.m. – 2:15 p.m.

OPC-SAT Members Present: R. Ambrose, A. Boehm, F. Chavez, K. Coale, C. Costello, J. Field, S. Gaines, G. Griggs, F. Gulland, M. Hall-Arber, T. Haymet, S. Johnson, K. McLeod, M. Moline, S. Murray, K. Nielsen, J. Paduan, J. Schubel, W. Sydeman, S. Weisberg

Ocean Science Trust (OST) Staff Present: A. Mace, Executive Director; T. Hoffman, Independent Consultant; D. Pietri, Program Associate; K. Geldreich, Office Manager

OPC-SAT Members Absent: D. Cayan, H. Scheiber, J. Stachowitz

Guests: D. Bohan, Ocean Protection Council; N. Fishman, Ocean Protection Council

### **1. Welcome remarks, introductions, agenda**

A. Mace opened the meeting and welcomed the members. R. Ambrose was appointed as co-chair.

D. Bohan, Executive Policy Officer of the Ocean Protection Council (OPC) welcomed the members, provided background on the OPC, and discussed how the OPC has dealt with various issues in the past (i.e., marine debris). Bohan described some potential roles for the OPC-SAT in future actions of the OPC, such as leading a new salmon study analyzing scientific and governance challenges to moving forward.

T. Hoffman outlined the ground rules for the meeting.

### **2. Overview and introduction to OST, OPC, and OPC-SAT coordination**

A. Mace provided an overview of the OST, its establishment, its mission and goals, and how it coordinates with the OPC. Mace outlined the roles and responsibilities of the OPC-SAT, and fielded questions from OPC-SAT members. Question topics included:

- Sources of long-term funding
- Allocation of grant money by OPC
- Interactions between the OPC-SAT and the OST
- Sea Grant funded research



### **3. Research Priorities – Overview and question**

A. Mace described the process for developing research priorities, and gave the team an overview of the 2008 issue areas. Mace also described the purpose of the OPC “Focused Research and Outreach Initiative” and how the OPC hopes to use this research. Members asked questions about the research priorities and the number of proposals submitted the previous year. Members provided thoughts and advice on how to make the best use of this research.

### **4. Research Priority Issue Areas**

A. Mace introduced the Research Issue Areas, and then the group had an extended conversation on the following five areas:

- Climate Change – Topics of discussion included: 1) Predictive capacity, mitigation, and adaptive management; 2) cumulative impacts; 3) interactions between anthropogenic and natural stressors; 4) resilience, vulnerability, and risk management; 5) climate modeling; and 6) ecosystem goods and services.
- Harmful Algal Blooms (HABs) – Topics of discussion included: 1) data information and synthesis; 2) HAB drivers; 3) prediction and mitigation; and 4) cumulative impacts.
- Salmon-Ocean Conditions – Topics of discussion included: 1) prediction and mitigation; 2) ocean survival; 3) ocean and terrestrial stressors; 4) resilience; 5) uncertainty.
- Land-ocean Interactions – Topics of discussion included: 1) water quality indicators; 2) cumulative impacts; 3) land use; and 4) predictive modeling.
- Wave and Tidal Energy: Topics of discussion included: 1) feasibility and coordination; 2) cumulative impacts; and 3) coastal zoning.

The group agreed to continue discussion and refinement of the Research Priorities after the meeting in small working groups for each topic. The following people were chosen as working group leaders:

- Climate Change – Dan Cayan
- HABs – Francisco Chavez
- Land-Ocean Interactions and Water Quality – Steve W.
- Wave and Tidal Energy – Kenneth Cole
- Salmon-Ocean conditions – John Field and Bill Sydeman

### **5. Emerging Issues**

A. Mace introduced the Emerging Issues, and explained that the purpose of this session was to brainstorm about Emerging Issues that could be used to inform future OPC actions, research priorities, or meeting themes and panel discussions.

The group discussed Emerging Issues of interest. Some of the issues discussed included:

- Desalination
- Aquaculture
- Socio-economic analysis and social science research needs
- Technological innovations
- Disaster scenario planning
- Sand, sedimentation, and beach nourishment

## **6. Next steps**

A. Mace outlined next steps for the group to take in the coming months. These included:

- Synthesis of research priorities and emerging issues
- Development of working groups for both the research priorities and emerging issues
- Comments on synthesis of research priorities and emerging issues

## **7. Meeting Closure**

Meeting adjourned.