

# **2016 NASA Ocean Color Research Team Meeting**

## **2-4 May 2016 – Silver Spring, MD**

### **MON - 2 May 2016**

#### **NASA Headquarters Update**

8:30 – 9:30 Welcome/Program Update for NASA Ocean Biology & Biogeochemistry/Community Q&A – P. Bontempi/NASA Headquarters

#### **NASA Ocean Biology Processing Group Updates**

9:30-10:00 NASA Ocean Biology Processing Group/Satellite Ocean Color Update – B. Franz/NASA GSFC

#### **10:00-10:30 BREAK**

10:30-10:50 Ocean Biology DAAC and SeaDAS update – S. Bailey/NASA GSFC

10:50-11:10 SeaBASS Updates- C. Proctor/NASA GSFC

11:10-11:30 HPLC Pigments, Protocols, and Field Support Group Activities – A. Mannino/NASA GSFC

#### **Ocean Color Satellite Mission Updates**

11:30-12:00 The Pre-Aerosol, Cloud, ocean Ecosystem (PACE) Mission – J. Werdell/NASA GSFC

#### **12:00-1:30 LUNCH – (on your own)**

1:30–2:00 A Pre-Aerosol, Cloud, ocean Ecosystem (PACE) Science Team – E. Boss/Univ. of Maine

2:00–2:30 SOCON: Sustained Ocean Color Observations from Nanosatellites – J. Morrison/North Carolina State University

2:30-2:50 Hypsiri Aquatic Study Group Update – K. Turpie/Univ. of Maryland- Baltimore County

#### **Field Project Updates**

2:50-3:10 Earth Venture Suborbital -2: North Atlantic Aerosols and Marine Ecosystems Study (NAAMES) – E. Boss/University of Maine

- 3:10-3:30      BREAK**
- 3:30-4:00      EXport Processes in the Ocean from Remote Sensing (EXPORTS) - Introducing a Science Plan for a NASA Field Campaign on the Ocean's Biological Pump – D. Siegel/Univ. of California – Santa Barbara
- 4:00-4:25      Arctic COastal Land Ocean InteRactions Scoping Study (Arctic-COLORS) – A. Mannino/NASA Goddard Space Flight Center
- 4:25-4:50      Scoping for Interdisciplinary Coordinated Experiment of the Southern Ocean Carbon Cycle (ICESOCC)– G. Mitchell/Univ. of California – San Diego – SIO
- 4:50-5:20      Secchi disk depth: A satellite product for everyone and its analytical retrieval from ocean color measurements– Z. Lee/Univ. of Massachusetts - Boston
- 5:20            ADJOURN**
- 5:30-6:30      Poster Session**

**TUES – 3 May 2016**

**Advanced Planning for Ocean Biology and Biogeochemistry**

- 8:30-9:00      The Next NRC Decadel Survey in Earth Science and Applications from Space 2017– S. Doney/WHOI
- 9:00-9:20      Introduction and Overall Goals of the Ocean Biology and Biogeochemistry Advanced Planning – M. Tzortziou/City College of New York

**Project Updates**

- 9:20-9:50      Variability and trends in ocean carbon uptake from models and data – G. McKinley/University of Wisconsin-Madison
- 9:50-10:20      Understanding export production in high-latitude oceans: how can atmospheric gas observations help constrain remote sensing data and ocean biogeochemical general circulation models – C. Nevison/Univ. of Colorado
- 10:20-10:50    BREAK**
- 10:50-11:10    Aquatic carbon biogeochemistry and export in mangrove-dominated rivers of the Florida Coastal Everglades- D. Ho/University of Hawaii

11:10-11:30 Toward a carbon budget for tidal wetlands and estuaries of the contiguous U.S.:  
The WETCARB project - R. Najjar/Pennsylvania State University

11:30-12:00 GNATS and the changing carbon cycle in the Gulf of Maine – B. Balch/Bigelow  
Laboratory for Ocean Sciences

**12:00-1:30 LUNCH – (on your own)**

### **Project Updates**

1:30-1:45 Second State of the Carbon Cycle Report (SOCCR-2) – R. Najjar/Pennsylvania  
State University

1:45-2:15 GEOstationary Coastal and Air Pollution Events (GEO-CAPE) mission and  
KORea/United States – Ocean Color (KORUS-OC) Field Campaign – J.  
Salisbury/University of New Hampshire

2:15-2:35 Remote sensing, modeling and working with managers of the San Francisco Bay  
and Estuary – C. Davis/Oregon State University

2:35-3:05 How are we doing at modeling changing ocean ecosystems? Phenology and 21<sup>st</sup>  
century projections – I. Marinov/University of Pennsylvania

**3:05-3:30 BREAK**

3:30-3:55 The Great Atlantic Sargassum Belt – C. Hu/University of South Florida

3:55-4:25 Human Impacts to Coastal Ecosystems in Puerto Rico (HICE-PR): A remote  
sensing, hydrologic, ecologic and socio-economic assessment with management  
implications– M. Barreto/University of Puerto Rico

4:25-4:45 Improving atmospheric correction of ocean color imagery in the post EOS era:  
The case of absorbing aerosols - R. Frouin/Univ. of California-San Diego, SIO

4:45-5:10 Remote sensing of atmosphere-ocean systems in the UV: how can multi-angle  
polarimetry help distinguish between variations caused by absorbing aerosols  
from variations caused by CDOM– J. Chowdhary/NASA GISS

5:10 ADJOURN

**5:30-6:30 Poster Session**

**WEDS – 4 May 2016**

8:30-9:00 Update for NASA's Earth Science Division and Research and Analysis programs  
– J. Kaye/NASA Headquarters

### **Project Updates**

9:00-9:30 Earth Venture Suborbital-2: Coral Reef Airborne Laboratory (CORAL) Project –  
E. Hochberg/Bermuda Institute for Ocean Studies

9:30-10:00 Cyanobacteria Assessment Network (CyAN) for freshwater systems: an early  
warning indicator for toxic and nuisance blooms using ocean color satellites – B.  
Schaeffer/EPA

**10:00-10:20 BREAK**

10:20-10:50 Coastal Marine Habitats: Requirements for Measuring Life on the Edge– F.  
Muller-Karger/University of South Florida

10:50-11:20 NASA's Role in the Southern Ocean Carbon and Climate Observations and  
Modeling (SOCCOM) project – J. Sarmiento/Princeton University

11:20-11:50 Monitoring the Tuna Fishery of the Eastern Tropical Pacific from Space – D.  
Kiefer/USC-SSAI

11:50-12:00 Open discussion/Wrap-Up/Next IOCS/OCRT – P. Bontempi/NASA Headquarters

**12:00 ADJOURN**