January 10, 2012 – Executive Classroom

0730   Continental Breakfast at Thomas Center – Executive Prefunction Room

0800   Meeting Check-In – Executive Classroom

0830   Welcome and Introductions – Bruce Corliss
       • The UNOLS Fleet – Bruce Corliss

0845   UNOLS Vessel Design and Construction Projects – Federal agency representatives will have an opportunity to report briefly on the design and construction projects currently underway:
       • Ocean Class Research Vessels – Navy
       • R/V Sikuliaq - NSF
       • Regional Class Research Vessels - NSF

0900   Green Research: The Derek M. Baylis Survey of the Northern San Andreas Fault, Chris Goldfinger, Oregon State University

0925   Oceanography Under Sail: What can be Learned from the Tara Ocean, Lee Karp-Boss (on behalf of the Tara Oceans consortium), University of Maine

0950   Foss Hybrid Tugs, Susan Hayman and Paul Jamer, Foss Maritime Company and AKA Group

1015   Coffee Break

1030   Engineering Challenges for a Green Ship Conversion, Matthias Teichrieb, Tactical Marine Solutions Ltd.

1055   Vessel Energy Management, What It Is and Common Areas for Energy Improvement, Michael Gaffney, Alaris Companies

1120   Developing an Environmentally Compliant Vessel Lubrication Plan, Ben Bryant, Kluber Lubrication North America

1145   The Benefits and Challenges of Bio-fuels and Bio-lubricants in Marine Applications, Dennis Donahue, NOAA-GLERL

1210   Lunch Break

1310   Sustainability and Building a "Green Culture" in the Marine Transportation Industry, Deborah Franco, Harley Marine Services

Lessons Learned from Greening the Cruise Vessels, Jaime Sweeting, Royal Caribbean Cruises Ltd.

SNAME Marine Vessel Environmental Performance Method, Timothy S. Leach, The Glosten Associates, SNAME

SuPort: Integrating Sustainability into Ports, Craig Covil, Arup

Break

Radiated Noise of Research Vessels, Christopher Barber, ARL Penn State


Greening the European Research Vessel Fleet, Cattrijsse, A & Rogers, R., Flanders Marine Institute & National Oceanography Centre

Adjourn Day 1 Session

Greening the Research Fleet - Evening Reception and Poster Session
Hosted by the Nicholas School of the Environment
Energy and Environment Hub - Gross Chemistry Building
6:00 pm – 7:30 pm

Day 2, January 11, 2012 – Executive Classroom

Continental Breakfast at Thomas Center – Executive Prefunction Room

Opening Remarks – Bruce Corliss

Emerging Sustainability & Life Cycle Initiatives-Implications for Fleets & Ports, Jay Golden, Duke University

Breakout Sessions:
• Ship Design
• Vessel Environmental Classifications
• Vessel Operations
• Greening Port Facilities
• Science Opportunities with Sail-Assisted Vessels

Break

Discussion of Breakout Topics – Moderators will summarize the breakout session findings and recommendations.

Formulate Preliminary Workshop Recommendations

Workshop Wrap-Up and Closing Remarks
• Call for Volunteers to assist with the report preparation.

Lunch and Adjourn Workshop