

**U.S. Environmental Protection Agency's
Global Change and Ecosystem Protection Research
STAR Progress Review Workshop**

**Hilton Old Town Alexandria
1767 King Street
Alexandria, VA 22314**

June 16 – 18, 2004

Draft Agenda

Wednesday, June 16, 2004

- 1:00 – 1:30 p.m.** **Welcome and Introduction**
- 1:30 – 4:30 p.m.** **Climate, Land Use, and UV Radiation**
- 1:30 – 2:00 p.m.** *Interactive Effects of Climate Change, Wetlands, and Dissolved Organic Matter on UV Damage to Aquatic Foodwebs*
Scott Bridgham, University of Oregon
- 2:00 – 2:30 p.m.** *The Influence of Climate-Induced Alterations in Dissolved Organic Matter on Metal Toxicity and UV Radiation in Rocky Mountain Streams*
William Clements, Colorado State University
- 2:30 – 2:45 p.m.** **Break**
- 2:45 – 3:15 p.m.** *Interactions Among Climate, Humans, and Playa Wetlands on the Southern High Plains*
Scott McMurry, Texas Technical University
- 3:15 – 3:45 p.m.** *Assessing the Interactive Effects of Land Use, Climate, and UV Radiation on River Ecosystems: Modeling Transparency and the Response of Biota to UVR*
Don Morris, Lehigh University
- 3:45 – 4:00 p.m.** **Break**
- 4:00 – 4:30 p.m.** **Panel Session With Presenters**
- 4:30 p.m.** **Adjourn**

Thursday, June 17, 2004

- 8:30 – 11:30 a.m. Regional Scaling for Environmental Decision Making: Statistical Modeling**
- 8:30 – 9:00 a.m. *Bayesian Methods for Regional-Scale Stressor Response Models***
 Conrad Lamon, Louisiana State University
- 9:00 – 9:30 a.m. *Developing a Risk Propagation Model for Estimating Ecological Responses of Streams to Anthropogenic Watershed Stresses and Stream Modifications***
 Vladimir Novotny, Northeastern University
- 9:30 – 9:45 a.m. Break**
- 9:45 – 10:15 a.m. *Adaptive Implementation Modeling and Monitoring for TMDL Refinement***
 Kenneth Reckhow, Duke University
- 10:15 – 10:45 a.m. *Developing Relations Among Human Activities, Stressors, and Stream Ecosystem Responses and Linkage in Integrated Regional, Multi-Stressor Models***
 Jan Stevenson, Michigan State University
- 10:45 – 11:00 a.m. Break**
- 11:00 – 11:30 a.m. Panel Session With Presenters**
- 11:30 – 1:00 p.m. Lunch**
- 1:00 – 4:00 p.m. Regional Scaling for Environmental Decision Making: Physical Modeling**
- 1:00 – 1:30 p.m. *Development of Coupled Physical and Ecological Models for Stress-Response Simulations of the Apalachicola Bay Regional Ecosystem***
 Mark Harwell, Florida A&M University
- 1:30 – 2:00 p.m. *Developing Regional-Scale Stressor Response Models for Managing Eutrophication in Coastal Marine Ecosystems***
 Robert Howarth, Cornell University
- 2:00 – 2:15 p.m. Break**
- 2:15 – 2:45 p.m. *A Shallow-Water Coastal Habitat Model for Regional-Scale Evaluation of Management Decisions in the Virginia Province***
 Charles Gallego, Smithsonian Institute
- 2:45 – 3:15 p.m. *Development of a Regional-Scale Model for the Management of Multiple-Stressors in the Lake Erie Ecosystem***
 Joseph Koonce, Case Western Reserve University
- 3:15 – 3:30 p.m. Break**
- 3:30 – 4:00 p.m. Panel Session With Presenters**
- 4:00 p.m. Adjourn**

Friday, June 18, 2004

- 8:45 – 11:00 a.m. Regional Scaling for Environmental Decision Making: Population Modeling**
- 8:45 – 9:15 a.m. *Application of Individual-Based Fish Models to Regional Decision Making***
Roland Lamberson, Humboldt State University
- 9:15 – 9:45 a.m. *Effects of Multiple Stressors on Aquatic Communities in the Prairie Pothole Region***
Patrick Schoff, University of Minnesota–Duluth
- 9:45 – 10:15 a.m. *Stressor-Response Modeling of the Interactive Effects of Climate Change and Land Use Patterns on the Alteration of Coastal Marine Systems by Invasive Species***
Robert Whitlatch, University of Connecticut
- 10:15 – 10:30 a.m. Break**
- 10:30 – 11:00 a.m. Panel Session With Presenters**
- 11:00 a.m. Adjourn**