

***Ecosystem Based Management: From Theory to Practice***  
***Marine Law Symposium    Sea Grant Science Symposium***  
***October 19 – 20, 2006***  
***\*updated 11.17.06\****

Below are links to EBM-related documents and websites. To suggest additional documents or links, please e-mail Kristen Fletcher at [kfletcher@rwu.edu](mailto:kfletcher@rwu.edu).

**BACKGROUND on EBM PRINCIPLES**

These documents are recommended as core background materials, especially for those unfamiliar with Ecosystem Based Management.

Dallmeyer, Dorinda, *Toward a Sea Ethic*, in MARINE CONSERVATION BIOLOGY: THE SCIENCE OF MAINTAINING THE SEA'S BIODIVERSITY (Elliott A. Norse and Larry B. Crowder, editors) (2005).

[pdf available]

Browman, Howard I. and Konstantinos I. Stergiou, et. al, *Politics and Socio-Economics of Ecosystem-Based Management of Marine Resources*, MARINE ECOLOGY PROGRESS SERIES, Vol. 300: 241-296 (2005).

[http://www.int-res.com/articles/meps\\_oa/m300p241.pdf](http://www.int-res.com/articles/meps_oa/m300p241.pdf)

Grumbine, R. Edward, *What is Ecosystem Management?*, CONSERVATION BIOLOGY 8:27-38 (1994).

[http://www.fiu.edu/~envstud/courses/evr5320/Grumbine\\_1994.PDF](http://www.fiu.edu/~envstud/courses/evr5320/Grumbine_1994.PDF)

Lawrence Juda, *Obstacles to Ecosystem Based Management*, PROCEEDINGS OF GLOBAL CONFERENCE ON OCEANS, COASTS, AND ISLANDS, UNESCO, Nov. 12 – 14, 2003 (pp. 67-72).

<http://www.globaloceans.org/globalconferences/2003/pdf/Pre-ConferenceProceedingsVolume.pdf>

Scientific Consensus Statement on Marine Ecosystem-Based Management (signed by various scientists and policymakers) March 21, 2005.

[http://compassonline.org/files/inline/EBM%20Consensus%20Statement\\_FINAL\\_July%2012\\_v12.pdf](http://compassonline.org/files/inline/EBM%20Consensus%20Statement_FINAL_July%2012_v12.pdf)

Council on Environmental Quality, US OCEAN ACTION PLAN (2005).

<http://ocean.ceq.gov/actionplan.pdf>

US Commission on Ocean Policy, AN OCEAN BLUEPRINT FOR THE 21<sup>ST</sup> CENTURY, Executive Summary (2004).

[http://www.oceancommission.gov/documents/full\\_color\\_rpt/welcome.html](http://www.oceancommission.gov/documents/full_color_rpt/welcome.html)

Pew Oceans Commission, AMERICA'S LIVING OCEAN: CHARTING A COURSE FOR SEA CHANGE, Executive Summary (2003). [http://www.pewtrusts.org/pdf/env\\_pew\\_oceans\\_final\\_report.pdf](http://www.pewtrusts.org/pdf/env_pew_oceans_final_report.pdf)

**EBM MEETINGS & SYMPOSIA**

The Symposium is building on the work and ideas from several preceding conferences. Links below are to recent conferences on ecosystem based management.

Ecosystems, Infrastructure, and the Environment: Reconciling Law, Policy and Nature, June 9, 2006, Baltimore, Maryland, American Bar Association Standing Committee on Environmental Law.

[http://www.abanet.org/publicserv/environmental/34th\\_natsprconf.shtml](http://www.abanet.org/publicserv/environmental/34th_natsprconf.shtml)

Coastal Conference on Ecosystem-Based Approaches to Management in the Southeast Region, March 19 – 21, 2006, University of North Carolina Wilmington.

<http://www.uncw.edu/dpscs/031906aHome.htm>

Implementing Marine Ecosystem-Based Management: Integrating Perspectives from Science and Management, Dec. 12 – 13, 2005, by COMPASS, Monterey, California.

[http://compassonline.org/?q=meetings\\_and\\_events/#ime](http://compassonline.org/?q=meetings_and_events/#ime)

Ocean Ecosystem Management: Challenges and Opportunities For Regional Ocean Governance, October 21, 2005, Duke Environmental Law & Policy Forum Symposium.

<http://www.law.duke.edu/conference/delpf/2005/>

Workshop on Regional Ocean Governance, Coastal Zone 2005 Conference, July 20, 2005, organized by School of Marine Affairs, University of Washington.

[http://courses.washington.edu/oceangov/cz05\\_workshop.html](http://courses.washington.edu/oceangov/cz05_workshop.html)

Workshop on Improving Regional Ocean Governance in the United States, December 9, 2002, organized by Center for Study of Marine Policy, University of Delaware.

<http://www.ocean.udel.edu/cmp/pdf/RegionalProceedings.pdf>

## **GENERAL EBM INFORMATION & PARTNERS**

COMPASS – Communication Partnership for Science & the Sea

<http://www.COMPASSonline.org/>

Committee on Ecosystem Effects of Fishing, National Research Council, DYNAMIC CHANGES IN MARINE ECOSYSTEMS: FISHING, FOOD WEBS, AND FUTURE OPTIONS (National Academies Press 2006) (recommended & co-authored by Dorinda Dallmeyer).

<http://www.nap.edu/catalog/11608.html>

Ecosystem Based Management Tools

<http://www.ebmtools.org>

This website provides a comprehensive source of information about Coastal-Marine Ecosystem-Based Management (EBM) Tools, including a searchable on-line database of EBM Tools, training and funding opportunities, coastal and marine data sources, and EBM Tools meetings and conferences.

Sand County Foundation Ecosystem Management Projects:

<http://www.sandcounty.net/>

From Racing to Rights:

Emerging Strategies for Improving Fisheries Management in North America

<http://sandcounty.net/resources/index.aspx?Id=34>

From January 11 - 13, 2005, the Community Based Conservation Network® of Sand County Foundation brought together North American fishermen who are developing effective incentives, experiences, and competencies to utilize marine resources sustainably, employ adaptive management regimes, and lead stock rebuilding efforts where needed. This volume captures the stories of those fisheries leaders.

Natural Resources as Community Assets - Lessons from Two Continents

<http://sandcounty.net/assets/index.htm>

This important book concludes that community-based natural resource management (CBNRM) can harness the energy, knowledge, and culture of rural peoples to improve the protection and utilization of forests, rangeland, wildlife, and aquatic environments. It offers a practice that can restore damaged ecological systems, enhance biodiversity, create economic opportunities, expand the civic capacity of communities and act as a catalyst for democratization.

Cooperative Sagebrush Initiative

<http://www.sage-wise.com>

The Cooperative Sagebrush Initiative (CSI) is a citizen and industry-led comprehensive and collaborative partnership aimed at producing measurable results for sage grouse and other species of concern made possible by a private sector conservation fund.

Thunder Basin Grassland Prairie Ecosystem Association

[http://www.emri.org/Projects/TBGPEA/tbgpea\\_wy.htm](http://www.emri.org/Projects/TBGPEA/tbgpea_wy.htm)

Thunder Basin Grasslands Prairie Ecosystem Association (Association) is a non-profit organization established to provide private landowner leadership in developing a responsible, common sense, science-based approach to long-term management of their lands.

Environmental Law Institute Oceans Program

<http://www2.eli.org/ocean/index.htm>

Note: Contact Dr. Kathryn J. Mengerink ([mengerink@eli.org](mailto:mengerink@eli.org)) for work related to legal and regulatory gaps in ecosystem based management.

HANDBOOK ON GOVERNANCE AND SOCIOECONOMICS OF LARGE MARINE ECOSYSTEMS (2006).

[http://www.iwlearn.net/abt\\_iwlearn/pns/learning/lme-gov-handbook.pdf](http://www.iwlearn.net/abt_iwlearn/pns/learning/lme-gov-handbook.pdf)

Joint Ocean Commission Initiative

<http://www.jointoceancommission.org/>

Note: Contact Jay West ([jwest@merid.org](mailto:jwest@merid.org)) at the Meridian Institute (<http://www.merid.org/>) for more information.

Large Marine Ecosystem Portal

<http://woodsmoke.edc.uri.edu/Portal/>

National Center for Ecological Analysis & Synthesis (NCEAS) at the University of California Santa Barbara

<http://www.nceas.ucsb.edu/fmt/doc/?frames.html>

*Ocean Ecosystem Management: Challenges and Opportunities For Regional Ocean Governance*, DUKE ENVIRONMENTAL LAW & POLICY FORUM Symposium Issue.

<http://www.law.duke.edu/journals/delpf/>

Craig Russell, John Hansen, Marnie Meyer, Simon Geerlofs, Carrie Byron, PRELIMINARY OVERVIEW OF US REGIONAL OCEAN GOVERNANCE INITIATIVES (2005).

[http://courses.washington.edu/oceangov/czdocs/USRegProfiles\\_Rev1.pdf](http://courses.washington.edu/oceangov/czdocs/USRegProfiles_Rev1.pdf)

The Nature Conservancy Global Marine Initiative

<http://www.nature.org/initiatives/marine/>

To access a portal for marine regional plans by The Nature Conservancy, visit

<http://conserveonline.org/workspaces/MECA>

Note: Contact Mike Beck ([mbeck@TNC.org](mailto:mbeck@TNC.org)) for more information on the Conservancy's Eco-Regional Planning efforts.

## **NORTHEAST/CANADIAN REGIONAL LINKS & INFORMATION**

Gulf of Maine Council

<http://www.gulfofmaine.org/>

For access to presentations from the Council's EBM Meeting in Portland, Maine, 9/14/05, visit

<http://www.gulfofmaine.org/knowledgebase/ebm/resources.php>

Massachusetts Ocean Management Initiative

<http://www.mass.gov/czm/oceanmanagement/index.htm>

Eastern Scotian Shelf Integrated Management (ESSIM) Initiative

<http://www.mar.dfo-mpo.gc.ca/oceans/e/essim/essim-intro-e.html>

New England Governors' Conference, Inc.

<http://www.negc.org/premiers.html>

Bay of Fundy Ecosystem Partnership

<http://www.bofep.org/>

New York Legislation creating NY Ocean and Great Lakes Ecosystem Conservation Council

Press Release is available at: <http://www.ny.gov/governor/press/06/0809061.html>.

## **GREAT LAKES REGIONAL LINKS & INFORMATION**

State of the Lakes Ecosystem Conference (SOLEC)

<http://www.epa.gov/solec/index.html>

(including access to the State of the Great Lakes Reports)

New York Legislation creating NY Ocean and Great Lakes Ecosystem Conservation Council

Press Release is available at: <http://www.ny.gov/governor/press/06/0809061.html>.

## **WEST COAST REGIONAL LINKS & INFORMATION**

Project on Ocean Governance, School of Marine Affairs, University of Washington.

<http://courses.washington.edu/oceangov/>

Washington State Ocean Policy Work Group, includes report, Action for Washington's Ocean: The Interim Report of the Washington State Ocean Policy Work Group, and other related policy memos.

[http://courses.washington.edu/oceangov/OPWG\\_Archive.html#InterimReportMemos](http://courses.washington.edu/oceangov/OPWG_Archive.html#InterimReportMemos)

California Sustainable Oceans Act

<http://govdocs.aquake.org/cgi/reprint/2006/605/6050010.pdf>

California Ocean Protection Council and Ocean Trust Fund

[http://resources.ca.gov/copc/6-8-06\\_meeting/0606 OPC Book/](http://resources.ca.gov/copc/6-8-06_meeting/0606 OPC Book/)

California Ocean Protection Council Five-year Strategic Plan

[http://resources.ca.gov/copc/6-8-06\\_meeting/0606 OPC Book/0606COPC06 OPC Five Year Strategic Plan MEMO.pdf](http://resources.ca.gov/copc/6-8-06_meeting/0606 OPC Book/0606COPC06 OPC Five Year Strategic Plan MEMO.pdf)

## **SPEAKER LINKS**

These links provide you with a direct link to institution webpages for the speakers and moderators in the Symposium. Presentations will be made available approximately 3 weeks following the Symposium.

### **THURSDAY- OCTOBER 19, 2006**

**Dorinda Dallmeyer**, Opening Keynote Speaker  
*The Environmental Ethics of Ecosystem Based Management*  
Univ. of Georgia Environmental Ethics Certificate Program  
<http://www.uga.edu/eecp/>

**Panel I: Approaches to Ecosystem Based Management**  
**Moderator: Kristen Fletcher**, Marine Affairs Institute  
<http://law.rwu.edu/marineaffairs>

**Panelists:**  
**William Dennison**, V.P. for Science Applications, University of Maryland Center for Environmental Science  
<http://www.umces.edu/>

**Anders Andren**, Director, Wisconsin Sea Grant  
<http://www.seagrant.wisc.edu/>

**Joe Costa**, Executive Director, Buzzards Bay National Estuary Program  
<http://www.buzzardsbay.org/>

**Panel II: Essential Elements of Ecosystem Based Management**  
**Moderator: Tracey Morin Dalton**, University of Rhode Island Department of Marine Affairs  
<http://www.uri.edu/cels/maf/>

**Panelists:**  
**Michael Beck**, Senior Scientist, The Nature Conservancy Global Marine Initiative  
<http://www.nature.org/initiatives/marine/>

**Kevin McAleese**, Program Director, Community Based Conservation Network - North America Sand County Foundation  
<http://www.sandcounty.net/>

**Susan Snow-Cotter**, Director, Massachusetts Office of Coastal Zone Management  
<http://www.mass.gov/czm/>

**Kate Killerlain Morrison**, Ocean Policy Analyst, Massachusetts Office of Coastal Zone Management  
<http://www.mass.gov/czm>

**Ronald C. Baird**, Keynote Speaker  
*Applying the Best Science to Enable an Ecosystem Based Approach*  
University of North Carolina Wilmington  
<http://www.unewil.edu/cmsr/>

**FRIDAY - OCTOBER 20, 2006**

**Kim Diana Connolly**, Keynote Speaker

*Ecosystem Based Fisheries Management: Not Yet Ready for Regulatory Primetime*

University of South Carolina School of Law <http://www.law.sc.edu/>

**Panel III: Additional Perspectives on Ecosystem Based Management**

**Moderator: Dennis Nixon, URI**

<http://www.uri.edu/cels/>

**Panelists:**

**Cathy Roheim**, University of Rhode Island and Marine Stewardship Council

<http://www.msc.org/> and

<http://www.uri.edu/cels/enre/>

**Michael Keyworth**, Brewer Cove Haven Marina

<http://www.byy.com/Barrington/>

**Jennifer McCann**, Rhode Island Sea Grant

<http://seagrant.gso.uri.edu/ecosystems/index.html>

**Panel IV: Facilitated Discussion on Next Steps**

**Facilitator: Christophe A. G. Tulou, Christophe Tulou Associates**

**Heinz Center, Sustainable Oceans, Coasts and Waterways Program**

<http://www.heinzctr.org/Programs/SOCW/overview.shtml>

**Panelists:**

**Russ Moll**, California Sea Grant

<http://www-csgc.ucsd.edu/>

**David Keeley**, Gulf of Maine Council

<http://www.gulfofmaine.org/>