

Monday, June 08, 2009

Please join us for our upcoming [OneNOAA science discussion seminars](#). This is a [joint effort](#) to help share science and management information and to promote constructive dialogue between scientists, educators, and resource managers across [NOAA](#).

A PDF version of this announcement is available:

[http://www.nodc.noaa.gov/General/NODC-About/Outreach/docs/09/OneNOAASeminars\\_08Jun2009.pdf](http://www.nodc.noaa.gov/General/NODC-About/Outreach/docs/09/OneNOAASeminars_08Jun2009.pdf)

**i-access to our seminar announcements:**

1. Join our seminar weekly announcements e-mail list [nominally, sent on Mondays]. To join our email list contact [Hernan Garcia](#) or a [seminar partner](#).
2. Online web public access: <http://www.nodc.noaa.gov/General/NODC-About/Outreach/> (Maintained by [Hernan Garcia](#))
3. GoogleCalendar online public access: [GoogleCalendar](#)\* (Maintained by [Felix A. Martinez](#))
4. Archive of previous OneNOAA science discussion seminars (by calendar year): [\[2008\]](#), [\[2007\]](#), [\[2006\]](#), [\[2005\]](#), [\[2004\]](#).
5. Note: All seminars subject to title, location, date, and time changes.

**OneNOAA Science Seminars This week:**

**Title:** **The End of the Blue Frontier: Managing Places in the Sea**

**Date/Location:** Monday, 08 June 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, NOAA Central Library, NOAA [OAR](#) Office of Communications seminar)

**Speaker(s):** Dr. Elliott Norse (President and Founder of [Marine Conservation Biology Institute](#))

**E-mail(s):** [elliott@mcbi.org](mailto:elliott@mcbi.org)

**Abstract:** Preceding his presentation, Dr. Norse will be presented the [NOAA Nancy Foster Award](#) for Habitat Conservation. Dr. Norse is being honored for decades of dedication to research, public policy, and education related to marine conservation issues. Among Dr. Norse's accomplishments are several books on conservation biology, a leading voice on marine habitat issues, visionary leadership on ocean programs, and infectious energy.

**About The Speaker(s):** Dr. Norse received his Ph.D. in marine ecology, and since 1978 he's focused on environmental policy at the US Environmental Protection Agency, White House Council on Environmental Quality, Ecological Society of America, The Wilderness Society, and Ocean Conservancy. Marine Conservation Biology Institute (MCBI) is a conservation advocacy organization focusing on ecosystem-based management including marine reserves, destructive fishing methods and ocean zoning as ways to protect, recover and sustainably use places in the sea. Elliott's 140+ publications include *Global Marine Biological Diversity: A Strategy for Building Conservation into Decision Making* (1993), *Marine Conservation Biology: The Science of Maintaining the Sea's Biodiversity* (2005), "Resolving mismatches in U.S. ocean governance" in *Science* (2006) and "Essential ecological insights for marine

ecosystem-based management and marine spatial planning" in Marine Policy (2008). He's a Pew Fellow in Marine Conservation and recipient of NOAA's [Nancy Foster Award](#) for Habitat Conservation.

**Remote Access & Notes:** *Call-in information:* 866-631-5469; Passcode: 3958086. *For further information* please contact Mary Lou Cumberpatch ([Mary.Lou.Cumberpatch@noaa.gov](mailto:Mary.Lou.Cumberpatch@noaa.gov); 301-713-2600 Ext. 129) or Skip Theberge ([Albert.E.Theberge.Jr@noaa.gov](mailto:Albert.E.Theberge.Jr@noaa.gov); 301-713-2600 Ext. 115).

**Web link to this seminar announcement** [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_08Jun2009\\_Norse](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_08Jun2009_Norse)

**OneNOAA Seminar Added:** [OneNOAA Science Seminar](#) added Thursday, June 4, 2009 1:59 PM / Last edited Friday, June 5, 2009 9:23 AM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

---

**Title:** **From Phytoplankton to Fish: Global Patterns in the Energy Flow through the Marine Food Web**

**Date/Location:** Tuesday, 09 June 2009 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, [NOAA Central Library Silver Spring Seminar](#))

**Speaker(s):** Charles Stock (NOAA [Geophysical Fluid Dynamics Laboratory](#))

**Abstract:** Predicting the impact of climate change on higher trophic levels in marine ecosystems (e.g., fisheries) is hampered by uncertainties in the factors controlling the propagation of primary production through the marine food web. A marine ecosystem model and two compilations of observed and derived phytoplankton and mesozooplankton productivity estimates are thus used to diagnose the factors controlling global patterns in the ratio of mesozooplankton productivity to primary productivity (referred to as the z-ratio). Results suggest a modest yet significant ( $r = 0.4$ ) increasing trend in z-ratios with productivity, from values of ~0.01-0.04 in the oligotrophic sub-tropical gyres to >0.1 in highly productive upwelling regions. Two mechanisms were responsible: 1) zooplankton gross growth efficiencies increased as ingestion rates far exceeded basal metabolic costs in productive regions; and 2) the increasing dominance of large phytoplankton in such systems shortened the trophic distance between primary producers and mesozooplankton. Results suggest that climate-driven changes in primary production may be amplified at higher trophic levels.

**Remote Access & Notes:** *Call-in information:* 866-631-5469; passcode: 3958086. *For further information* please contact Mary Lou Cumberpatch ([Mary.Lou.Cumberpatch@noaa.gov](mailto:Mary.Lou.Cumberpatch@noaa.gov); 301-713-2600 Ext. 129) or Skip Theberge ([Albert.E.Theberge.Jr@noaa.gov](mailto:Albert.E.Theberge.Jr@noaa.gov); 301-713-2600 Ext. 115).

**Web link to this seminar** [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_09Jun2009\\_Stock](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_09Jun2009_Stock)

*announcement*

*OneNOAA  
Seminar Added:*

[OneNOAA Science Seminar](#) added Monday, June 1, 2009 7:48 AM / last edited Thursday, June 4, 2009 2:00 PM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

---

**Title:** **Capacity Building and Partnerships in West Africa**

**Date/Location:** Wednesday, 10 June 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, [NOAA Central Library Silver Spring](#) Seminar)

**Speaker(s):** Teresa Turk (NOAA Fisheries, Office of Science and Technology, Office of International Affairs)

**E-mail(s):** [teresa.turk@noaa.gov](mailto:teresa.turk@noaa.gov)

**Abstract:**

The 2007 Magnuson-Stevens Act calls on the United States to promote improved monitoring, control, and surveillance for high seas and Regional Fisheries Management Organization (RFMO) fisheries; improve the effectiveness of RFMOs through adoption of IUU vessel lists, stronger port state controls, and market-related measures; and build capacity in other countries to ensure sustainable fisheries and regulatory enforcement. To further NOAA Fisheries Service efforts in Africa, we have been collaborating with the U.S. Navy's African Partnership Station (APS) to improve maritime safety, security, and resource stewardship. We participated in an on-board, fisheries-focused reception in Senegal in 2007, including a speech by a representative of the Senegalese Ministry of Fisheries on the importance of fisheries to maritime security in the region. In early April 2008, NOAA Fisheries coordinated a 10 day observer training workshop on board APS vessel, HSV2 Swift, in Tema, Ghana. We worked with the Ghanaian Ministry of Fisheries to offer a training program for up to 35 fishery observers. The program trained observers to improve the ways they collect data for scientific research and monitoring of fish stocks and bycatch within domestic and international fisheries. NOAA Fisheries also provided Ghana with safety and scientific equipment for use by observers while performing their duties. In February 2009, NOAA Fisheries in coordination with the Ministry of Fisheries Senegal and through the US Navy's APS, USS Nashville, provided a second observer training to 40 Senegalese observers and several interested NGO's and university students. The presentation will discuss these ongoing activities and future plans for a coordinated engagement working with a variety of partners dedicated to improving fisheries management and combating IUU fishing in West Africa.

**About The  
Speaker:**

Teresa Turk is a fisheries biologist with NOAA Fisheries, Office of International Affairs and serves as the coordinator for international observer programs and capacity building projects in W. Africa. She also works for the Office of Science and Technology, National Observer Program and serves as the National Coordinator for the development of the Fisheries Scientific Computing System (FSCS). She received her B.S. in Zoology and M.A. in Anthropology from the University of Arkansas and

her M.S. in Fisheries Science from the University of Washington. She has been working toward improving observer programs for the past 20 years. Most recently, she has been actively engaged in assisting the International Commission for the Conservation of Atlantic Tunas (ICCAT) efforts to develop and implement a regional observer program for transshipment vessels in the Atlantic Ocean and coordinating the development of international observer training for West Africa.

**Remote Access & Notes:** *Call-in information:* 866-631-5469; passcode: 3958086. *For further information* please contact Mary Lou Cumberpatch ([Mary.Lou.Cumberpatch@noaa.gov](mailto:Mary.Lou.Cumberpatch@noaa.gov); 301-713-2600 Ext. 129) or Skip Theberge ([Albert.E.Theberge.Jr@noaa.gov](mailto:Albert.E.Theberge.Jr@noaa.gov); 301-713-2600 Ext. 115).

**Web link to this seminar announcement** [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_10Jun2009\\_Turk](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_10Jun2009_Turk)

**OneNOAA Seminar Added:** [OneNOAA Science Seminar](#) added Friday, May 22, 2009 7:52 AM / Last edited Friday, June 5, 2009 8:00 AM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

**Title:** **NOAA Enterprise GIS Seminar Series: NWS RIDGE 2 Radar Demonstration**

**Date/Location:** Wednesday 10 June 2009; 14:00-15:00 ETZX ([SSMC-2](#), Room 12246, Enterprise GIS Technical Seminar Series)

**Speaker(s):** Keith Stellman (NWS Shreveport) and Corey Pieper (NWS Southern Region HQ)

**Abstract:** The National Weather Service is close to releasing its next-generation interactive radar display - RIDGE 2. (See beta version here: <http://radar.srh.noaa.gov/>) The RIDGE 2 radar display, which utilizes Google Maps, gives users the ability to toggle elements aside from just the radar. Warnings, watches, and advisories along with the radar can be overlaid on the Google Maps interface, which provides map, terrain, and satellite background options. Another improvement of the RIDGE 2 is the ability to display radar reflectivity data in mosaic form from Terminal Doppler Weather Radar sites. The presenters will also discuss some of the technical aspects of development such as the use of the OpenLayers application programming interface, tiling, caching, and web mapping services.

**Remote Access & Notes:** *Remote Access:* Webex: <http://www.mymeetings.com/nc/join.php?i=745983570&p=NOAAGIS&t=c> ; Webex Meeting Number: 745983570 ; Webex Meeting Passcode: NOAAGIS. *Conference Call* Number: 866-909-6773; Conference Call Pass code: 819016. For questions please contact [Kim.Jenkins@noaa.gov](mailto:Kim.Jenkins@noaa.gov) and [Randy.Warren@noaa.gov](mailto:Randy.Warren@noaa.gov).

**Web link to this seminar** [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_10June2009\\_Stellman](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_10June2009_Stellman)

*announcement*

**OneNOAA Seminar Added:** [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Monday, June 8, 2009 6:41 AM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

**Upcoming OneNOAA Science Seminars:**

**Title:** **To Be Determined**

Wednesday, 17 June 2009 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, NOAA Central Library Silver Spring, [NODC Seminar](#))

**Date/Location:** A [NODC seminar as part of the "NOAA work in the high latitudes and the International Polar Year 2007-2008 seminar series"](#)

For further information see: <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#IPYSeminars>

**Speaker(s):** Dr. Jackie M. Grebmeier (Research Professor, [Chesapeake Biological Laboratory](#))

**E-mail(s):** [jgrebmei@cbl.umces.edu](mailto:jgrebmei@cbl.umces.edu)

**Abstract:** TBD

**For Webcast access:** 1) go to

<http://www.mymeetings.com/nc/join.php?i=741283869&p=nodc1315&t=c>; 2) type in other required fields (i.e., your name, e-mail, organization; meeting number is 741283869; password is "nodc1315" -password is case sensitive- ); 3) indicate that you have read the Privacy Policy; 4) click on Proceed. **For phone access:** toll free dial 877-916-2513 using a touch-tone phone; when prompted enter participant code 5877174 followed by a "#" (Please mute your phone during the presentation or toggle \*6

**Remote Access & Notes:**

otherwise it produces a sound feedback). Please note that webcast & phone access is limited to 50 connections on a first-come-first served basis. Webcast & phone access will start approximately 5 min before the seminar. If possible, seminar audio will be available via podcast together with the seminar slides following the seminar. **For general questions about this seminar**, please contact Hernan Garcia ([Hernan.Garcia@noaa.gov](mailto:Hernan.Garcia@noaa.gov)), Mary Lou Cumberpatch ([Mary.Lou.Cumberpatch@noaa.gov](mailto:Mary.Lou.Cumberpatch@noaa.gov)) or Skip Theberge ([Albert.E.Theberge.Jr@noaa.gov](mailto:Albert.E.Theberge.Jr@noaa.gov)).

**Notes about the speaker(s):**

Dr. Grebmeier is a research professor at the Chesapeake Biological Laboratory. Her research interests are related to pelagic-benthic coupling, benthic carbon cycling, and benthic faunal population structure in the marine environment. Over the last 20 years, her field research program in both the Arctic and Antarctic has focused on such topics as understanding how water column processes influence biological productivity in Arctic waters and sediments, how materials are exchanged between the sea bed and overlying waters, and documenting longer-term trends in ecosystem health of Arctic continental shelves (See [5](http://arctic.cbl.umces.edu/web-</a></p>
</div>
<div data-bbox=)

[content/Jacqueline\\_Grebmeier/index.html](http://content/Jacqueline_Grebmeier/index.html)).

**Web link to this seminar Announcement**

[http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_17Jun2009\\_Grebmeier](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_17Jun2009_Grebmeier)

**OneNOAA Seminar Added:**

[OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Wednesday February 18, 2009 3:28 PM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

---

**Title:** **High-resolution MODIS / AMSR-E Composite SST for Diagnostic and Regional Weather Prediction Studies**

**Date/Location:** Wednesday, 17 June 2009 14:00-15:00 ETZ ([World Weather Building](#), Room 707, Camp Springs, MD; [JCSDA](#) seminar)

**Speaker(s):** JGary Jedlovik (NASA / MSFC / [SPoRT](#))

**Abstract:**

Accurate high resolution specification of sea surface temperature (SST) is important for regional weather forecasting studies and coastal ocean applications. Chelton et al. (2007) and Lacasse et al. (2008) showed that the use of coarse resolution SST products such as from the real-time global (RTG) SST analysis (Thiebaux et al. 2003) in regional weather forecast models do not properly portray the fluxes of heat and moisture from the ocean that drive the formation of low level clouds and precipitation over the ocean. High resolution SSTs may also be important for hurricane track and intensity forecasts and useful to verification of ocean circulation models. Previous work developed a polar orbiting data compositing technique which provides spatially continuous, accurate, high-resolution SST fields using data from the Moderate-resolution Imaging Spectrometer (MODIS) on NASA's Terra and Aqua satellites was developed (Haines et al. 2007). Case et al. (2008) presented a detail analysis of the impact of the composite SST product in coast regions. However, the approach was limited during periods of long-term cloud cover where latency of past data reduced the accuracy of the data presented in the composites. Recently, an enhanced compositing technique was developed to circumvent shortcomings of the Haines et al. (2007) approach by including AMSR-E SST data in the compositing process. The enhanced scheme also incorporates a more sophisticated temporal weighting scheme which considers bias, observational errors and spatial resolution along with the latency of the SST data in the generation of the high resolution composites. The enhanced SST composite product is produced four times a day in near real-time over the ocean regions surrounding the continental U.S. The product is being integrated into NASA's Short Term Prediction and Research Transition (SPoRT) project (Jedlovec et al. 2006) and distributed to the NWS, other government agencies, and the public for use in regional weather forecast applications. Prospective users and also get this product from the Physical Oceanography DAAC in standard L3P format later this year. The presentation will describe this work and present examples of the impact of the product on short-term weather forecasts.

**Remote Access & Notes:**

**Phone Access:** Toll free 1-866-715-2479; International: 1-517-345-5260; Passcode: 9457557. **For questions** please contact Christina Bacon (301-763-8154 x 188; [Christina.Bacon@noaa.gov](mailto:Christina.Bacon@noaa.gov)) or [George.Ohring@noaa.gov](mailto:George.Ohring@noaa.gov).

**Notes about the speaker(s):**

Gary Jedlovec received his B.S. and M.S. degrees in meteorology in 1979 and 1981 from Saint Louis University, Saint Louis, MO. He was awarded the Ph.D. in meteorology with a minor in remote sensing from the University of Wisconsin - Madison in 1987. From 1981-1985 he was employed as a research associate with the Universities Space Research Association (USRA). In 1985, he joined NASA where he is still employed as an atmospheric scientist. Dr. Jedlovec also holds an adjunct professor position with the University of Alabama in Huntsville, where he teaches and mentors graduate students in atmospheric sciences. Dr. Jedlovec has spent most of the last 25 years developing and evaluating algorithms to retrieve geophysical parameters from remotely sensed aircraft and satellite measurements for regional climate studies and weather forecasting applications. For the last few years, Dr. Jedlovec has lead an effort to transition the use of unique NASA EOS satellite data into NWS forecast offices as part of the Short-term Prediction and Research Transition (SPoRT) program at NASA.

**Web link to this seminar announcement**

[http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_17Jun2009\\_Jedlovik](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_17Jun2009_Jedlovik)

**OneNOAA Seminar Added:**

[OneNOAA Science Seminar](#) added Wednesday, January 21, 2009 12:29 PM / Last edited Friday, June 5, 2009 7:09 AM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

**Title:** **Is Swarm Sensing in the Ocean An Idea Whose Time Has Come?**

**Date/Location:** Thursday, 18 June 2009; 12:00 – 13:00 ETZ ([SSMC-4](#), Room #8150, [NOS](#) seminar)

**Speaker(s):** Jules Jaffe (Marine Physical Laboratory, Scripps Institution of Oceanography)

**E-mail(s):** [jjaffe@ucsd.edu](mailto:jjaffe@ucsd.edu)

**Abstract:**

The understanding of oceanic processes has always been hindered by the difficulty in measuring them. Almost all types of propagating waves are either rapidly attenuated or suffer little and non-specific interaction with the ocean's interior. The latest generation of ships, moorings, gliders all offer advantages, however, still suffer from significant aliasing. Via the revolution in micro processing technology, power storage and the continuing advancement of low cost sensors the opportunity to launch swarms of small, autonomous, self contained, and communicating vehicles now exists. Such vehicle swarms could sample oceanic processes on space-time scales that were heretofore unobtainable while being transported at lower Reynolds numbers. This permits the measurement of ocean currents while at the same time providing a view from the point of view of small animals that cannot swim faster than these currents. Among the many interesting processes that can be investigated using these ideas are

coastal larval transport, the measurement of various features of sub mesoscale eddies, and the evolution of thin oceanic layers of phytoplankton. This talk will describe the speaker's experiences in developing autonomous platforms for ocean sensing, his vision of the evolution of these systems, and the role that they can play in helping to achieve a better understanding of the dynamics of the ocean's interior and the processes that occur within.

**Remote Access  
& Notes:**

Presentations are available remotely via a combination of phone & webcast. Please be aware that remote access is limited to 50 connections on a first-come-first served basis, so we cannot guarantee participation. **To participate remotely you must:** 1) Dial 866-541-1377, and then wait for instructions. When prompted enter passcode 142625 followed by the # sign. Please use your phone's mute button (or toggle \*6) during the presentation until you are ready to ask questions. 2) Go to the webcast site at <http://www.mymeetings.com/nc/join.php?i=746752585&p=&t=c> 3) Enter meeting number 746752585 if needed. No passcode is required. 4) Enter other required fields. 5) Indicate that you have read the Privacy Policy and click Proceed. **For questions:** contact Felix Martinez ([Felix.Martinez@noaa.gov](mailto:Felix.Martinez@noaa.gov)).

**Web link to this  
seminar  
announcement**

[http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_18Jun2009\\_Jaffe](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_18Jun2009_Jaffe)

**OneNOAA  
Seminar Added:**

[OneNOAA Science Seminar](#) added Monday, June 1, 2009 7:36 AM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

**Title:**

**The Role of Water Cycle Observations and Science in the Global Earth Observation System of Systems (GEOSS) : An Opportunity for NOAA**

**Date/Location:**

Thursday, 18 June 2009, 0930-1100 ETZ ([SSMC-2](#), Room 8246, NWS [OHD](#) seminar)

**Speaker(s):**

Rick Lawford (University of Maryland, Baltimore County and University of Manitoba)

**Abstract:**

The Global Earth Observation System of Systems (GEOSS) is being developed in the 2006-2015 timeframe to bring together the observational capabilities of the nations to effectively address the information needs of many communities. The area of Water Management is one of nine Societal Benefit Areas (SBAs) being directly addressed by the Group of Earth Observations (GEO). The focus on Water Management is very timely given the uncertainty that is expected in water supplies as a result of climate change. GEO initiatives related to water include those that deal with the monitoring and prediction of floods and droughts, the development of integrated data sets for measuring and reporting precipitation, soil moisture, runoff, and water quality, as well as projects that support capacity building in the developing world. NOAA continues to play a critical role in the development of the Water SBA. This presentation will provide a brief summary of the structure of GEO and review some of the activities related to Water that are currently underway. It will also lead to discussions of ways in

which NOAA could contribute to these activities through its programs and its ongoing and emerging services in weather, water and climate.

Rick Lawford is the former Director of the International GEWEX Project Office who now divides his time between the University of Manitoba in Winnipeg where he works as the Network Manager for the Canadian Drought Research Initiative, and the University of Maryland, Baltimore County (UMBC), where he works as a GEO Consultant. Before working for UMBC/GEWEX he worked in NOAA as the program manager for the GEWEX Americas Prediction Project (GAPP) and the GEWEX Continental-scale International Project (GCIP). He also occupied a number of positions in the Canadian government, primarily with Environment Canada in program management and research in the fields of hydrology, hydrometeorology and meteorology.

**About The Speaker(s):**

**Remote Access & Notes:**

**GotoMeeting:** <https://www1.gotomeeting.com/join/280005584>. **Conference call:** 866-713-2373, passcode 9960047. For further information please contact [Pedro.Restrepo@noaa.gov](mailto:Pedro.Restrepo@noaa.gov) or [ken.pavelle@noaa.gov](mailto:ken.pavelle@noaa.gov).

**Web link to this seminar announcement**

[http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_18Jun2009\\_Lawford](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_18Jun2009_Lawford)

**OneNOAA Seminar Added:**

[OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Tuesday, June 2, 2009 11:26 AM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

**Title:** XBT lines in The Arabian Sea and Bay of Bengal

**Date/Location:**

Wednesday, 24 June 2009; 12:00-13:00 ETZ ([SSMC-3](#), 4th Floor, Room 4817, [NODC Seminar](#))

**Speaker(s):**

Dr. Vissa Gopalakrishna (National Institute of Oceanography, Dona Paula, Goa, India)

**Abstract:**

TBD

**Remote Access & Notes:**

**For Webcast access:** 1) go to <http://www.mymeetings.com/nc/join.php?i=741283869&p=nodc1315&t=c>; 2) type in other required fields (i.e., your name, e-mail, organization; meeting number is 741283869; password is "nodc1315" -password is case sensitive- ); 3) indicate that you have read the Privacy Policy; 4) click on Proceed. **For phone access:** toll free dial 877-916-2513 using a touch-tone phone; when prompted enter participant code 5877174 followed by a "#" (Please mute your phone during the presentation or toggle \*6 otherwise it produces a sound feedback). Please note that webcast & phone access is limited to 50 connections on a first-come-first served basis. Webcast & phone access will start approximately 5 min before the seminar. If possible, seminar audio will be available via podcast together with the seminar slides following the seminar. **For general questions about this seminar**, please contact Hernan Garcia ([Hernan.Garcia@noaa.gov](mailto:Hernan.Garcia@noaa.gov)).

*Web link to this seminar announcement* [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_24Jun2009\\_Gopalakrishna](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_24Jun2009_Gopalakrishna)

*OneNOAA Seminar Added:* [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Thursday April 9, 2009 9:28 AM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

---

**Title:** **Development of the Fishing Ecosystem Analysis Tool (FEAT)**

**Date/Location:** Wednesday, 24 June 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, [NOAA Central Library Silver Spring Seminar](#))

**Speaker(s):** Matt Austin (NOS Office of Coast Survey Cartographic and Geospatial Technologies Program)

**Abstract:** The Fishing Ecosystem Analysis Tool (FEAT) is a system for analyzing and spatially displaying commercial and recreational catch data in combination with the place-based approach to defining and measuring fishing communities envisioned by National Standard 8 of the Magnuson-Stevens Act. Fishing communities in Hawaii are currently defined at the island level, which is overly broad for conducting social impact analysis. A suitable scale for many analyses is Zip Code Tabulation Area, which the U.S. Bureau of the Census developed by aggregating census blocks. We refer to these areas as Socioeconomic Zones because they can be characterized using Census socioeconomic variables such household income, poverty level, education, ethnicity and many others. Socioeconomic zones can be linked to commercial marine license catch data and recreational catch data using anglers' zip codes. This allows for spatial analysis and reporting of catch variables such as species, pounds landed, port of landing, gear used, and fishing area location. We can then associate any of these variables with socioeconomic zones and characteristics. Data from 10 years of commercial marine license catch reports and 7 years of recreational catch data currently are entered into the database. We will provide a number of examples of possible analyses that can be conducted with FEAT, which has the capability to tie in with other Pacific Islands Fisheries Science Center (PIFSC) data systems and to be used for many purposes other than analysis of human dimensions data.

**Remote Access & Notes:** *For further information* please contact Mary Lou Cumberpatch ([Mary.Lou.Cumberpatch@noaa.gov](mailto:Mary.Lou.Cumberpatch@noaa.gov); 301-713-2600 Ext. 129) or Skip Theberge ([Albert.E.Theberge.Jr@noaa.gov](mailto:Albert.E.Theberge.Jr@noaa.gov); 301-713-2600 Ext. 115).

*Web link to this seminar announcement* [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_24May2009\\_Austin](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_24May2009_Austin)

*OneNOAA Seminar Added:* [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Tuesday, April 28, 2009 11:26 AM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

---

**Title:** **Reducing Threats of Land-based Sources of Pollution to Human and Ecosystem Health: A case study for the Island of Dominica**

**Date/Location:** Thursday, 25 June 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, [NOAA Central Library Silver Spring Seminar](#))

**Speaker(s):** Ed Kruse (International Affairs Specialist, NOS International Program Office)

**Abstract:** TBD

**Remote Access & Notes:** *For further information* please contact Mary Lou Cumberpatch ([Mary.Lou.Cumberpatch@noaa.gov](mailto:Mary.Lou.Cumberpatch@noaa.gov); 301-713-2600 Ext. 129) or Skip Theberge ([Albert.E.Theberge.Jr@noaa.gov](mailto:Albert.E.Theberge.Jr@noaa.gov); 301-713-2600 Ext. 115).

**Web link to this seminar announcement** [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_25May2009\\_Kruse](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_25May2009_Kruse)

**OneNOAA Seminar Added:** [OneNOAA Science Seminar](#) added Monday, May 4, 2009 7:05 AM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

---

**Title:** **Water Temperature Forecasting Model**

**Date/Location:** Thursday, 25 June 2009, 13:00-14:30 ETZ ([SSMC-2](#), Room 8246, NWS [OHD](#) seminar)

**Speaker(s):** Dr. Bethany Neilson (Assistant Professor, Civil and Environmental Engineering, Utah Water Research Laboratory, Utah State University)

**Abstract:** TBD

**Remote Access & Notes:** *GotoMeeting:* <https://www1.gotomeeting.com/join/324792289>. *Conference call:* 866-713-2373, passcode 9960047. For further information please contact [Pedro.Restrepo@noaa.gov](mailto:Pedro.Restrepo@noaa.gov) or [ken.pavelle@noaa.gov](mailto:ken.pavelle@noaa.gov).

**Web link to this seminar announcement** [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_25Jun2009\\_Neilson](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_25Jun2009_Neilson)

**OneNOAA Seminar Added:** [OneNOAA Science Seminar](#) added Tuesday, June 2, 2009 11:26 AM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

---

**Title:** **Polar Resources in the NOAA Central Library Network**

**Date/Location:** Tuesday, 30 June 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, NOAA Central Library)

Silver Spring, [NODC Seminar](#))

**A [NODC seminar as part of the "NOAA work in the high latitudes and the International Polar Year 2007-2008 seminar series"](#)**

For further information about the IPY seminars see:

<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#IPYSeminars>

**Speaker(s):** Anna Fiolek (NOAA Central Library)

**E-mail(s):** [Anna.Fiolek@noaa.gov](mailto:Anna.Fiolek@noaa.gov)

Located in Silver Spring, Maryland, the NOAA Central Library (NCL) networks over thirty NOAA libraries nationwide. NCL is considered the most comprehensive multidisciplinary and historically richest scientific collection in hydrographic surveying, oceanography, ocean engineering, atmospheric sciences (climatology and meteorology), meteorological satellite applications, living marine resources, geophysics, cartography, and mathematics in the United States. It incorporates holdings of NOAA's predecessor agencies, including the Coast and Geodetic Survey, National Weather Service, and the Bureau of Fisheries. The collections reflect the history of these organizations, their scientific research, observations and data from 1820 to the present.

**Abstract:** The NOAA Library Network collections are unique; over 40% of the items in NOAALINC (the online catalog) and their manual catalogs are not found anywhere else. Unique polar research includes historic and current reports from the various polar expeditions, and research and observations from both the Arctic and Antarctic regions. The presence of these unique and historical resources in NOAA impelled the Library to participate in the 4th International Polar Year (IPY) 2007-2008 activities. Many unique and historically valuable NOAA polar research documents and scientific data, in the forms of digital videos, still images, and datasets, have been entered into the NOAALINC, the National Oceanographic Data Center Ocean Archive System (OAC), and other oceanographic information catalogs and databases. This was possible thanks to the Library's collaboration with several NOAA projects and programs, including the Video Data Management System (VDMS), Climate Data Modernization Program (CDMP), and NODC Cruise Report Program. Over two hundred thirty of these unique and historically valuable documents were selected, cataloged, imaged and entered into NOAALINC to assure online, open access to their full-text files.

A comprehensive bibliography has been prepared to provide an additional access point to the polar related resources via the Library's home page. This online bibliography also serves as an Internet locator for printed and remote resources in polar research. It is located at: <http://docs.lib.noaa.gov/rescue/Bibliographies/IPY2007.pdf>. During the 4th IPY, the NOAA Library Network collections serve as an important resource for polar data and research. The Library's IPY home page and the Polar Poster developed in NCL serve as an additional access point to the library's polar resources. The library's IPY home page and Polar Poster are located at:

<http://www.lib.noaa.gov/collections/ipy.html> ;  
[http://docs.lib.noaa.gov/rescue/Bibliographies/IPY2007\\_poster.pdf](http://docs.lib.noaa.gov/rescue/Bibliographies/IPY2007_poster.pdf).

**Remote Access & Notes:** *For Webcast access:* 1) go to <http://www.mymeetings.com/nc/join.php?i=741283869&p=nodc1315&t=c>; 2) type in other required fields (i.e., your name, e-mail, organization; meeting number is 741283869; password is "nodc1315" -password is case sensitive- ); 3) indicate that you have read the Privacy Policy; 4) click on Proceed. *For phone access:* toll free dial 877-916-2513 using a touch-tone phone; when prompted enter participant code 5877174 followed by a "#" (Please mute your phone during the presentation or toggle \*6 otherwise it produces a sound feedback). Please note that webcast & phone access is limited to 50 connections on a first-come-first served basis. Webcast & phone access will start approximately 5 min before the seminar. If possible, seminar audio will be available via podcast together with the seminar slides following the seminar. *For general questions about this seminar,* please contact Hernan Garcia ([Hernan.Garcia@noaa.gov](mailto:Hernan.Garcia@noaa.gov)), Mary Lou Cumberpatch ([Mary.Lou.Cumberpatch@noaa.gov](mailto:Mary.Lou.Cumberpatch@noaa.gov)) or Skip Theberge ([Albert.E.Theberge.Jr@noaa.gov](mailto:Albert.E.Theberge.Jr@noaa.gov)).

**Web link to this seminar announcement** [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_30Jun2009\\_Fiolek](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_30Jun2009_Fiolek)

**OneNOAA Seminar Added:** [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Wednesday, June 3, 2009 6:43 AM

**Title:** **Climatology and scenarios of Texas hurricanes from planning perspective and other current activities at ECSC**

**Date/Location:** Wednesday, 22 July 2009; 12:00 – 13:00 ETZ ([SSMC-4](#), Room #8150, [NOS](#) seminar)

**Speaker(s):** Dr. Tanveer Islam (Integrated Assessment Research Associate, [NOAA Environmental Cooperative Science Center](#))

**E-mail(s):** [tanveerul.islam@famu.edu](mailto:tanveerul.islam@famu.edu)

**Abstract:** The lack of public attention to preparedness for hurricanes and other potentially catastrophic disasters is a persistent phenomenon in American society. Most of the published materials on hurricanes are too demanding of time or technical expertise to meet the requirements of being "usable science" that might inform public planning or private investment in coastal counties and cities. This study provides a place-based approach to the organization and analysis of historic hurricane information in the context of informing decision-making in urban planning, disaster management and mitigation, and natural resource stewardship on the Texas coast. The metrics used here for "usable science" include visual representations of hurricane histories based on state-of-the-art data and robust basic statistics, combined with a relatively brief explanatory text that can be understood by a broad range of interested citizens.

National Oceanic and Atmospheric Administration's (NOAA) hurricane track information for storms hitting Texas between 1851 and 2006 has been analyzed according to origin, intensity, speed of approach to the coast, and date. This analysis shows a significant percentage (54%) of the storms formed in the Gulf of Mexico with an even higher percentage for storms that hit the upper Texas coast. Although the overall temporal distribution generally shows the well known pattern of storm activity in August and September, Texas storms that form in the Gulf of Mexico have a significantly different temporal landfall pattern. The study also focuses on historic hurricanes that pose special challenges to emergency managers because of their rapid formation and landfall on the Texas coastline. All too often, hurricane planning is primarily informed by the most recent serious event, or by generic scenarios that do not reflect important regional hurricane characteristics that are "knowable" from historic records. By reconstructing scenarios of historic hurricanes that formed and made landfall rapidly on the Texas coastline, the study suggests that these storms are especially challenging for emergency planners, citizens, and public officials.

Presentations are available remotely via a combination of phone & webcast. Please be aware that remote access is limited to 50 connections on a first-come-first served basis, so we cannot guarantee participation. **To participate remotely you must:** 1) Dial 866-541-1377, and then wait for instructions. When prompted enter passcode 142625 followed by the # sign. Please use your phone's mute button (or toggle \*6) during the presentation until you are ready to ask questions. 2) Go to the webcast site at <http://www.mymeetings.com/nc/join.php?i=746752585&p=&t=c> 3) Enter meeting number 746752585 if needed. No passcode is required. 4) Enter other required fields. 5) Indicate that you have read the Privacy Policy and click Proceed. For questions: contact Felix Martinez (Felix.Martinez@noaa.gov). **For questions:** contact Felix Martinez ([Felix.Martinez@noaa.gov](mailto:Felix.Martinez@noaa.gov)).

**Remote Access & Notes:**

**Web link to this seminar announcement**

[http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_22July2009\\_Islam](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_22July2009_Islam)

**OneNOAA Seminar Added:**

[OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Monday, May 11, 2009 10:36 AM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

**Title:** **Sea Grant 101: Have you ever wondered how the National Sea Grant College Program works - research, extension, and education?**

**Date/Location:** Wednesday, 29 July 2009; 12:00 – 13:00 ETZ ([SSMC-4](#), Room #8150, [NOS](#) seminar)

**Speaker(s):** Dr. Nikola Garber (Assistant Director for Administration, [NOAA Sea Grant](#))

**E-mail(s):** [Nikola.Garber@noaa.gov](mailto:Nikola.Garber@noaa.gov)

**Abstract:** For more than 40 years, the National Sea Grant College program has worked to create and maintain a healthy coastal environment and economy. A partnership between universities and the federal government's National Oceanic and Atmospheric

Administration NOAA), Sea Grant directs federal resources to pressing problems in local communities. By drawing on the experience of more than 3,000 scientists, engineers, public outreach experts, educators and students from more than 300 institutions, Sea Grant is able to make an impact at local and state levels, and serve as a powerful national force for change. Come learn more about us!

Presentations are available remotely via a combination of phone & webcast. Please be aware that remote access is limited to 50 connections on a first-come-first served basis, so we cannot guarantee participation. **To participate remotely you must:** 1) Dial 866-541-1377, and then wait for instructions. When prompted enter passcode 142625 followed by the # sign. Please use your phone's mute button (or toggle \*6) during the presentation until you are ready to ask questions. 2) Go to the webcast site at <http://www.mymeetings.com/nc/join.php?i=746752585&p=&t=c> 3) Enter meeting number 746752585 if needed. No passcode is required. 4) Enter other required fields. 5) Indicate that you have read the Privacy Policy and click Proceed. **For questions:** contact Felix Martinez ([Felix.Martinez@noaa.gov](mailto:Felix.Martinez@noaa.gov)).

**Remote Access & Notes:**

**Web link to this seminar announcement**

[http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_28Jul2009\\_Garber](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_28Jul2009_Garber)

**OneNOAA Seminar Added:**

[OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Friday, June 5, 2009 6:55 AM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

**Title:**

**Flows and mixing in abyssal channels of the Atlantic (Vema Channel 31°S), Romanche Fracture Zone (equator), Vema Fracture Zone (11° N)**

**Date/Location:**

Monday, 17 August 2009; 11:00-12:00 ETZ ([SSMC-3](#), 4th Floor, Room 4817, [NODC Seminar](#))

**Speaker(s):**

Dr. Eugene Morozov ([Shirshov's Institute of Oceanology](#), Moscow, Russia)

**Abstract:**

TBD

**Remote Access & Notes:**

**For Webcast access:** 1) go to <http://www.mymeetings.com/nc/join.php?i=741283869&p=nodc1315&t=c>; 2) type in other required fields (i.e., your name, e-mail, organization; meeting number is 741283869; password is "nodc1315" -password is case sensitive- ); 3) indicate that you have read the Privacy Policy; 4) click on Proceed. **For phone access:** toll free dial 877-916-2513 using a touch-tone phone; when prompted enter participant code 5877174 followed by a "#" (Please mute your phone during the presentation or toggle \*6 otherwise it produces a sound feedback). Please note that webcast & phone access is limited to 50 connections on a first-come-first served basis. Webcast & phone access will start approximately 5 min before the seminar. If possible, seminar audio will be available via podcast together with the seminar slides following the seminar. **For**

*general questions about this seminar*, please contact Hernan Garcia ([Hernan.Garcia@noaa.gov](mailto:Hernan.Garcia@noaa.gov)). For further information about the speaker, please contact [Dan.Seidov@noaa.gov](mailto:Dan.Seidov@noaa.gov).

**Notes about the speaker(s):** Dr. Eugene Morozov, is the director of Laboratory of Internal Waves at the Shirshov Institute of Oceanology, Russian Academy of Sciences, Russia. He is also Vice President of IAPSO.

**Web link to this seminar announcement** [http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_17Aug2009\\_Morozov](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_17Aug2009_Morozov)

**OneNOAA Seminar Added:** [OneNOAA Science Seminar](#) added Wednesday, February 11, 2009 7:14 AM \ Last edited Monday March 16, 2009 12:01 PM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

**Title:** **What Can Science Tell Us That Fishermen Don't Already Know?**

**Date/Location:** Monday, 26 October 2009; 12:00-13:00 ETZ ([SSMC-3](#), 4th Floor Large Conference Room 4527, [NODC](#) Seminar)

**Speaker(s):** Dr. Elizabeth W. North (Assistant Professor, [University of Maryland Center for Environmental Science](#))

**E-mail(s):** [enorth@hpl.umces.edu](mailto:enorth@hpl.umces.edu)

For millennia, fishermen have known that abundances of fish vary from year to year and that these variations could be associated with changes in weather. One hundred years ago, many scientists thought that man could not exhaust the sea's bounty and that climate fluctuations were unpredictable and not related to human activities. Today, we see that fish populations may fluctuate due to fishing, natural weather and climate variability, and human-induced climate change. As our understanding of the earth's system grows and our ability to predict (or at least forecast envelopes of future realities) expands with it, we need to ask, "What is the validity of the quantitative tools developed from this understanding, and how can we use these tools to better manage fish, fisheries, and ecosystems?"

**Abstract:**

Although empirical relationships between oceanographic conditions and fish and shellfish recruitment are notoriously ephemeral, I will make the case that a process-level understanding of recruitment for individual species is an achievable and important goal for fisheries science. The state of the ecosystem (both physical and biological components) can have profound influences on early-life dynamics, which in turn feed back to the ecosystem via proliferation or collapse of year classes that can shift community structure as they pulse through a system. Understanding the influence of environmental variability on both the ecosystem and single species is necessary for projecting how fished populations will respond to climate change, for developing

decision-support tools for ecosystem-based management, and for science to tell us something that fishermen don't already know. Supporting insights and examples will be drawn from the Global Ecosystem Dynamics (GLOBEC) Program and from research on Chesapeake Bay and the Western Atlantic's Middle Atlantic Bight. Perspectives on research needs and priorities will be offered.

**For Webcast access:** 1) go to <http://www.mymeetings.com/nc/join.php?i=741283869&p=nodc1315&t=c>; 2) type in other required fields (i.e., your name, e-mail, organization; meeting number is 741283869; password is "nodc1315" -password is case sensitive- ); 3) indicate that you have read the Privacy Policy; 4) click on Proceed. **For phone access:** toll free dial 877-916-2513 using a touch-tone phone; when prompted enter participant code 5877174 followed by a "#" (Please mute your phone during the presentation or toggle \*6 otherwise it produces a sound feedback). Please note that webcast & phone access is limited to 50 connections on a first-come-first served basis. Webcast & phone access will start approximately 5 min before the seminar. If possible, seminar audio will be available via podcast together with the seminar slides following the seminar. **For general questions about this seminar**, please contact Hernan Garcia ([Hernan.Garcia@noaa.gov](mailto:Hernan.Garcia@noaa.gov)).

**Remote Access & Notes:**

Elizabeth W. North is an Assistant Professor at the University of Maryland Center for Environmental Science (UMCES). Located at Horn Point Laboratory, Dr. North works to advance basic principles of fisheries oceanography, support fisheries management, and enhance ecosystem restoration. Her research integrates field and numerical modeling approaches and focuses on physical-biological interactions during the early life of fish and shellfish. Dr. North received a B.A. from Swarthmore College in 1991, a M.S. in Interdisciplinary Science Studies from Johns Hopkins University in 1996, and a Ph.D. in Marine, Estuarine, and Environmental Science with specialization in Fisheries Science from University of Maryland in 2001. In 2007, she received the Cronin Award for Early Career Achievement from the Coastal and Estuarine Research Federation. Currently she serves on the ICES Working Group on Modelling Physical-Biological Interactions and the US GLOBEC Standing Committee for Synthesis, and she will co-chair the ICES workshop on Understanding and quantifying mortality in fish early life stages: experiments, observations and models (WKMOR) in 2010. See also <http://hpl.umces.edu/faculty/enorth.html>.

**Notes about the speaker(s):**

**Web link to this seminar announcement**

[http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar\\_26Oct20009\\_North](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_26Oct20009_North)

**OneNOAA Seminar Added:**

[OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Friday, April 10, 2009 10:49 AM  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Please check for seminar changes and cancelations. Remote access to seminars is available when indicated via a combination of web/phone access. When available, seminar presentations will be available for download (see Notes for each seminar).

A PDF version of this announcement is available [Download [OneNOAASeminars\\_DDMM2008.pdf](#)]

[http://www.nodc.noaa.gov/General/NODC-About/Outreach/docs/09/OneNOAASeminars\\_12Jan2009.pdf](http://www.nodc.noaa.gov/General/NODC-About/Outreach/docs/09/OneNOAASeminars_12Jan2009.pdf)

[NOAA Staff Locator](#)

[Internal NOAA Locator](#)

[Dept. of Commerce](#) - [NOAA](#) - [NESDIS](#) - [NODC](#)

--

Hernan E. Garcia, Ph.D.  
NOAA-NESDIS-NODC Ocean Climate Laboratory  
SSMC-III, E/OC5, Room 4230  
1315 East-West Highway  
Silver Spring, MD 20910, USA

E-mail: [Hernan.Garcia@noaa.gov](mailto:Hernan.Garcia@noaa.gov)  
Phone: (301) 713-3290 Ext 184  
Fax: (301) 713-3303  
OCL: <http://www.nodc.noaa.gov/OC5/>  
NODC: <http://www.nodc.noaa.gov/>

OneNOAA Science Seminars:  
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/>

~~~~~  
The contents of this message are mine personally  
and do not reflect any position of the Government  
or NOAA  
~~~~~