

Monday, June 22, 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_22Jun2009.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/>
3. GoogleCalendar online public access: [GoogleCalendar](#)
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: 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).

Web link to this seminar announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_24Jun2009_Gopalakrishna

OneNOAA [OneNOAA Science Seminar](#) added Thursday April 9, 2009 9:28 AM
Seminar Added: <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 as 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; 301-713-2600 Ext. 129) or Skip Theberge (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

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

Title: **Outcomes of The Arctic Council's Arctic Marine Shipping Assessment.**

Date/Location: Wednesday, 24 June 2009; 10:00-11:00 am Alaska Daylight/Standard Time ([RISA/ACCAP](#) seminar via teleconference only)

Speaker(s): Lawson Brigham (Distinguished Professor of Geography & Arctic Policy, UAF and Chair, Arctic Marine Shipping Assessment of the Arctic Council)

Abstract: In response to unprecedented changes occurring in the circumpolar Arctic, in 2004 the Arctic Council called for the Council's Protection of the Arctic Marine Environment (PAME) working group to conduct a comprehensive assessment of Arctic marine shipping. The Arctic Marine Shipping Assessment (AMSA) 2009 Final Report represents the results of this four year study. Findings and recommendations were negotiated and approved by the Ministers of the Arctic States on April 29, 2009 and take into consideration Arctic marine geography, changes in sea ice and climate, history of marine transport, governance of Arctic marine shipping, current marine use in the Arctic, Arctic marine infrastructure, human and environmental considerations and impacts, and Arctic marine shipping futures scenarios to 2020. Join us for an overview of the AMSA findings, presented by Dr. Lawson Brigham.

Remote Access & Notes: **To Participate / Log-In to the Alaska Climate Teleconference:** <http://www.uaf.edu/accap/teleconference.htm>. **Teleconference:** 1) Dial:1-800-893-8850; 2) When prompted, enter the PIN code: 7531823. **To view the presentation during a teleconference:** 1) Point your web browser to: <http://www.shareitnow.com>; 2) Click on the blue *Join a Meeting* button on the left side bar. 3) For Presenter ID enter: accap@uaf.edu. To join us in person: If you are in Fairbanks, join us in person on the UAF campus in the Duckering Building Room 535. Map: <http://www.uaf.edu/campusmap/> (purple zone). For more information about the Alaska Climate Teleconferences and the Alaska Center for Climate Assessment and Policy, please contact Brook Gamble (907-474-7812; accap@uaf.edu) or Sarah Trainor (907-474-7878; accap@uaf.edu) or visit our website: www.uaf.edu/accap.

Download Presentation(s): TBD

Web link To This Seminar http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_24Jun2009_Brighman

OneNOAA Seminar Added: [OneNOAA Science Seminar](#) added Wednesday, June 10, 2009 7:10 AM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **Google Earth: A new display tool for hydrological data sets**

Date/Location: Wednesday, 24 June 2009, 14:00-15:00 ETZ ([SSMC-2](#), Room 8246, NWS [OHD](#) seminar)

Speaker(s): Brian Cosgrove (NWS [OHD](#))

Abstract: Google Earth is seeing growing use in the National Weather Service, and has proven to be a valuable tool in visualizing hydrologic data sets. One common challenge is converting the data into a format which is compatible with Google Earth. This presentation will provide an overview of the recently developed "xmrgtokml" utility which can be used to convert XMRG data on the HRAP grid to a KML (Google Earth) formatted file. Example HRAP images will be shown, as will other examples of hydrologic data visualization within Google Earth.

Remote Access & Notes: **GotoMeeting:** <https://www1.gotomeeting.com/join/933838856>. **Conference call:** (866) 713-2373, passcode 9960047. For further information please contact Pedro.Restrepo@noaa.gov or ken.pavelle@noaa.gov.

Web link to this seminar announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_24Jun2009_Cosgrove

OneNOAA Seminar Added: [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Wednesday, June 17, 2009 10:47 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; 301-713-2600 Ext. 129) or Skip Theberge (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

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

Title: **Instream Temperature Predictions and Forecasting Using the Two-Zone Solute and Temperature 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: Quantifying the influences of changing weather and climate patterns on instream temperatures is becoming more important due to its effects on other instream processes and aquatic species. Along these lines, the Alaska-Pacific River Forecast Center is investigating the expansion of their services to include the forecasting of instream temperatures. Initial efforts have begun in the Ninilchik River in cooperation with the Cook Inlet Keeper organization by implementing the Two-Zone Solute and Temperature (TZTS) model developed at Utah State University. This research model includes options to account for a variety of heat fluxes including surface fluxes, bed conduction, hyporheic fluxes, dead zone fluxes, and shortwave solar radiation attenuation in the water column and bed substrate. This presentation will include a summary of the TZTS model structure, minimal data requirements for simplified applications (i.e., accounting for surface fluxes only), and how necessary data will be assembled for instream temperature forecasting in Alaska. Additionally, research approaches for more inclusive TZTS applications and the associated data collection and calibration will be covered.

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 or 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

OneNOAA Seminar Added: [OneNOAA Science Seminar](#) added Tuesday, June 2, 2009 11:26 AM / Last edited Wednesday, June 17, 2009 10:50 AM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Upcoming OneNOAA Science Seminars:

Title: **Venting of Liquid Carbon Dioxide on a Mariana Arc Submarine Volcano: A natural laboratory for studying effects of ocean acidification**

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

Speaker(s): Dr. John Lupton (NOAA [Pacific Marine Environmental Laboratory](#))

Abstract: TBD

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

(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_30June2009_Lupton

OneNOAA Seminar Added:

[OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Monday, June 15, 2009 7:29 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

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

Wednesday, 01 July 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 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

Abstract:

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. 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.

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), Mary Lou Cumberpatch (Mary.Lou.Cumberpatch@noaa.gov) or Skip Theberge (Albert.E.Theberge.Jr@noaa.gov).

Remote Access & Notes:

Web link to this seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_01Jul2009_Fiolek

OneNOAA Seminar Added:

[OneNOAA Science Seminar](#) added Wednesday, June 3, 2009 6:43 AM / Last edited Monday, June 15, 2009 9:48 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

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

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.

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 866-873-0221, and then wait for instructions. When prompted enter passcode 5574872 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).

Web link to this seminar announcement

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

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!

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 866-873-0221, and then wait for instructions. When prompted enter passcode 5574872 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).

Web link to this seminar announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_28Jul2009_Garber

OneNOAA Seminar Added: [OneNOAA Science Seminar](#) 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

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Remote Access & Notes:

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

OneNOAA Seminar Added: [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) 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

Abstract: 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?"

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).

**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 <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC->

seminar [seminars09.html#OneNOAASeminar_26Oct20009_North](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_26Oct20009_North)
announcement

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

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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
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/>

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