

[OneNOAA Science Discussion Seminar Series 2009](#) [Sep 28, 2009]

A [PDF](#) version of this [OneNOAA science seminar](#) announcement is available.

Please join us for our upcoming [OneNOAA science discussion seminars](#). The OneNOAA Science seminars are a [joint effort by several NOAA seminar partners](#) to pool seminars of common interest to help share science and management information and to promote constructive dialogue between scientists, educators, and resource managers.

i-access to our [OneNOAA science seminar](#) announcements:

1. Join our weekly e-mail seminar announcement [nominally, email sent on Mondays]. To join our email list contact [Hernan Garcia](#) or a OneNOAA [seminar partner](#).
2. Online OneNOAA web 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. Subscribe to the OneNOAA Science Seminar [RSS](#) feed.
6. Interested in becoming a [OneNOAA science seminar partner](#)? or submit a [OneNOAA seminar announcement](#)?
7. **Note:** All seminars subject to title, location, date, and time changes. Please check the [OneNOAA seminar web page](#) for the latest seminar updates.

Note upcoming [OneNOAA Science Discussion Seminar](#) by Dr. Jane Lubchenco (Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator). See [seminar details](#).

OneNOAA Science Seminars This Week: This week there are two seminars

1. [Ocean for Life: Enhancing Cultural Understanding Through Ocean Science](#) (Sep. 29, 2009)
2. [Operational Implementation of 4D-VAR Assimilation for the U.S. Navy](#) (Oct 01, 2009)

Seminar details below:

Seminar Title: **Ocean for Life: Enhancing Cultural Understanding Through Ocean Science**

Date/Location: Tuesday, 29 September 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, NOAA Central Library Silver Spring, seminar sponsored by Office of National Marine Sanctuaries and the National Marine Sanctuary Foundation)

Speaker(s): Jonathan Shannon (OFL 2009 program director, ONMS Education Liaison), Michiko Martin (ONMS Communications and Outreach Division head), Letise LaFeir (NMSF Director of Education and Government Relations).

Abstract: All life in the ocean is connected and in the same way our human cultures are all connected. Diversity is a strength in the ocean world. So too in ours. The goal of the Ocean for Life program

is to bring better understanding of the diverse marine world and of the diverse peoples of the world. Our lives depend on close connections to the ocean -- and on the close connections that link us all. During two field studies, one to the Florida Keys National Marine Sanctuary (July 15-30) and the other to the Cordell Bank, Gulf of the Farallones, and Monterey Bay National Marine Sanctuaries (July 29-Aug 9), high school students from Western and Middle Eastern countries worked together to learn more about marine science and each other's cultures. The students captured their experience by creating youth media projects based upon the three themes of Ocean for Life: a sense of place, interconnectedness, and ocean conservation and stewardship. These projects will be shared along with highlights from the two field studies. Upon returning to their home communities, the participants are encouraged to use their experience to become better stewards of their local environment, promote its connection to the ocean, and strengthen the links they have built to the communities and cultures of their fellow participants. We will also discuss how you can help this effort, through serving as a mentor and/or forum moderator on www.oceanforlife.org.

Remote access via webinar: Meeting Number: 742656968, Meeting Passcode: brownbag. 1. Join the meeting now: <http://www.mymeetings.com/nc/join.php?sigKey=mymeetings&i=742656968&=brownbag&t=c> ; 2. Enter the required fields; 3. Indicate that you have read the Privacy Policy; 4. Click on Proceed; Audio: 866-833-7307; passcode 8986360. **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).

Remote Access & Notes:

Web link to this

OneNOAA science seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_29September_Shannon_etal

OneNOAA Seminar Added:

[OneNOAA Science Seminar](#) added Friday, August 14, 2009 2:45 PM / Last edited Monday, September 21, 2009 7:43 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Seminar Title: **Operational Implementation of 4D-VAR Assimilation for the U.S. Navy**

Date/Location: Thursday, 01 October 2009; 10:00 - 11:00 ETZ ([World Weather Building](#), Room 707, Camp Springs, MD; [JCSDA](#) seminar)

Speaker(s): Liang Xu ([Naval Research Laboratory](#), Monterey, CA)

E-mail(s): xu@nrlmry.navy.mil

Abstract: An observation-space global 4D-Var atmospheric data assimilation system, NAVDAS-AR (NRL Atmospheric Variational Data Assimilation System – Accelerated Representer), for the U.S. Navy has been successfully implemented and

tested at Fleet Numerical Meteorology and Oceanography Center (FNMOC). NAVDAS-AR will replace NAVDAS (NRL Atmospheric Variational Data Assimilation System), the 3D-Var observation-space data assimilation system, to provide the analysis for the Navy Operational Global Atmospheric Prediction System (NOGAPS) in the near future. In this talk, we will give a brief background of the development and testing of the NAVDAS-AR. We will present the weak constraint variational formulation and the minimization algorithm used in the system. Some of the results obtained from a recent validation test report required for the NAVDAS-AR operational transition will be shown. We will also give a brief description of some of the NAVDAS-AR capabilities that were not included in the current operational implementation. Planned upgrades to the operational 4D-Var system will also be discussed. (L. Xu, N. Baker, B. Ruston, T. Hogan, P. Pauley, and S. Swadley, NRL, Monterey, CA; T. Rosmond and B. Chua, SAIC, Monterey, CA; R. Pauley, FNMOC, Monterey, CA).

Remote Access & Notes:

For phone access: USA participants: 1-866-715-2479, International: 1-517-345-5260, Passcode: 9457557. **For questions** please contact George Ohring (George.Ohring@noaa.gov).

Web link to download Presentation(s):

Go to <http://www.jcsda.noaa.gov/JCSDASeminars.php> to download slides the day before the talk.

Web link to this OneNOAA science seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_01Oct2009_Xu

OneNOAA Science Seminar Added:

[OneNOAA Science Seminar](#) added Tuesday, September 8, 2009 1:01 PM / Last updated Wednesday, September 23, 2009 6:40 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Upcoming OneNOAA Science Seminars:

Seminar Title:

Climate Change and Alaska Fisheries

Date/Location:

Tuesday, 06 October 2009; 10:00-11:00 am Alaska Local Time ([RISA/ACCAP](#) seminar via teleconference)

Speaker(s):

Mike Sigler (Program Leader, Habitat and Ecological Processes Research Program NOAA Fisheries, [Alaska Fisheries Science Center](#))

E-mail(s):

Mike.Sigler@noaa.gov

Abstract:

Fish harvests in the Arctic Ocean are small, yet the largest U.S. commercial fisheries

lie immediately south in the Bering Sea. Some groundfish and crabs have moved northward. This trend is predicted to continue. A large ecosystem study of the Bering Sea aims to understand and forecast these changes. The Bering Sea project is funded by the North Pacific Research Board and the National Science Foundation (<http://bsierp.nprb.org/>). Join us to learn more about climate impacts on Alaska fisheries.

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, Outreach and Education Specialist, (907) 474-7812, accap@uaf.edu or visit www.uaf.edu/accap.

Remote Access & Notes:

Web link to this OneNOAA science seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_06Oct2009_Sigler

OneNOAA Seminar Added:

[OneNOAA Science Seminar](#) added Wednesday, September 2, 2009 7:59 AM / Last edited Thursday, September 24, 2009 7:05 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Seminar Title: Climate Change Communication 2.0

Date/Location: Friday, 16 October 2009; 11:00-12:00 ETZ ([SSMC-3](#), 4th Room 4517, [NODC](#) Seminar)

Speaker(s): Dr. Ed Maibach (Director of [George Mason University's Center for Climate Change Communication](#))

E-mail(s): emaibach@gmu.edu

Abstract: Increasing awareness and understanding of climate change is important if ultimately we are going to be able to change behaviors to tackle the problem. Dr. Maibach will share his thoughts about lessons learned from the first 20 years of climate change communication in America (starting with Jim Hansen's clarion call to Congress in the late 1980s). He will also facilitate a discussion with session participants about the climate change communication challenges we will likely face over the next 20 years. Learn how you might effectively engage your friends and others to become part of the solution.

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. Space in conference Room 4817 in [SSMC-3](#) is limited to about 25 people. **For general questions about this seminar,** please contact Hernan Garcia (Hernan.Garcia@noaa.gov).

Notes about the speaker(s):

See http://www.climatechangecommunication.org/edward_maibach.cfm.

Web link to this OneNOAA science seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_16Oct2009_Maibach

OneNOAA Seminar Added:

[OneNOAA Science Seminar](#) added Tuesday, September 8, 2009 8:46 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Seminar 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
OneNOAA
science seminar
announcement**

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>

Seminar Title: **Seminar title to be determined** ([check the OneNOAA Science Seminars for updates](#))

Date/Location: Thursday, 03 December 2009; 12:00-13:00 ETZ ([SSMC-3](#), 4th Floor Large Conference Room 4527, a joint [NODC](#) and [NOAA library](#) seminar)

Speaker(s): Dr. Jane Lubchenco (Under Secretary of Commerce for Oceans and Atmosphere and [NOAA](#) Administrator)

E-mail(s): Jane.Lubchenco@noaa.gov

Abstract: To Be Determined

Presentation will be available remotely using phone and webcast. For Webcast access: This will allow you to see the presentation slides remotely from your computer (IE or Firefox recommended). Instructions: (1) go to <http://www.mymeetings.com/nc/join.php?i=741283869&p=nodc1315&t=c>; (2) type in other required fields (e.g., 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:** This will allow you to hear the presentation. Instructions: Toll free dial 877-916-2513 using a touch-tone phone; when prompted enter participant code 5877174 followed by a "#". **For people accessing the seminar via phone:** (1) please mute your phone during the presentation or toggle *6 otherwise it produces a sound feedback and we'll have to disconnect everyone on the phones to avoid further interruptions of the seminar and (2) please hold on questions until the end of the seminar. Please note that webcast & phone access is open to anyone but limited to 50 connections on a first-come-first served basis (limit of connections might be increased pending interest). Webcast & phone access will start approximately 5-10 min before the seminar.

Remote Access & Notes:

Joining us in person: Please note that if NOAA staff want to join us in person in Silver Spring, [SSMC-3](#) Room 4527 has a seating limit for about 130 people on a first-come-first-served basis. In case of overflow in Room 4527, [SSMC-3](#) Room 4817 will be available with seats for an additional 25 people.

Video and podcast: There will be no real time video webcast of the seminar. However, if possible, (1) video of the presentation as well as (2) seminar audio (podcast) together with the seminar slides will be available following the seminar.

For general questions about this seminar: please contact Hernan E. Garcia (Hernan.Garcia@noaa.gov). **For questions to** Dr. Jane Lubchenco regarding this seminar please contact Pat A. Simms (Pat.A.Simms@noaa.gov).

Notes about the speaker(s):

For information about Dr. Jane Lubchenco see <http://www.noaa.gov/lubchenco.html>

**Download
Presentation(s):** To be determined

**Web link to this
OneNOAA
science seminar
announcement** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_03Dec2009_Jane_Lubchenco

**OneNOAA
Seminar Added:** [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Tuesday, August 18, 2009 8:18 AM / Last updated Friday, September 11, 2009 12:00 PM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

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NODC: <http://www.nodc.noaa.gov/>

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

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