

OneNOAA Science Discussion Seminar Series 2009 [August 24, 2009]

A PDF version of this announcement is available:

http://www.nodc.noaa.gov/General/NODC-About/Outreach/docs/09/OneNOAASeminars_24Aug2009.pdf

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

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.

Note: The contents of this web page do not reflect any position of the Government or NOAA

OneNOAA Science Discussion Seminars This week:

Seminar Title: **Surf Research in Hawaii: Using Historical Records to Improve Surf and Surf-related Coastal Flood Forecasts**

Date/Location: Thursday, 27 August 2009, 12:00-13:00h ETZ ([SSMC-3](#), 4th Floor, Room 4817, [NODC Seminar](#))

Speaker(s): Patrick Caldwell [NOAA Data Center Hawaii Liaison (NESDIS/NODC/NCDDC)]

E-mail(s): Patrick.Caldwell@noaa.gov

Abstract: It all started with an Internet-based, NODC-sponsored, un-official, recreational surf forecast for Oahu, Hawaii in 1997 by the NODC Pacific Islands liaison based at the University of Hawaii. In 2002, to keep a single voice to the public from NOAA, a collaborative Oahu surf forecast was initiated with the National Weather Service (NWS), Honolulu Forecast Office (HFO). At this time, the HFO had recently changed from a colloquial method for sizing surf heights, referred to as the Hawaii scale, to an oceanographic standard of trough to crest, referred to as face. But breakers are dynamic--definitions were needed to clarify face heights spatially and temporally. Another issue was how to convert deep water swell characteristics to breaker face heights. These questions were investigated using daily observations of surf and the regional buoy network. Historical records were made in Hawaii scale, which were translated to face height using photographic evidence. An empirical formula, which matched buoy measurements to the surf observations, was created to estimate breaker heights based on deep water swell. This formula is now operational at the HFO. Hourly buoy and tide data back to 1981 were used to develop a scheme to forecast extreme wave run-up during coinciding high surf and tide

events. This scheme offers the HFO a guidance product for triggering extreme surf warnings, which are issued when there are potentially destructive impacts to shoreline infrastructure such as homes, highways, and harbors. Surf studies by the NODC liaison have been published in three articles by the Journal of Coastal Research.

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:**

Notes about the speaker(s): Mr. Patrick Caldwell is the NOAA Data Center Hawaii Liaison (NESDIS/NODC/NCDDC) .

Web link to this seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_27Aug2009_Caldwell

OneNOAA Seminar Added: [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Monday, June 29, 2009 3:05 PM

Upcoming OneNOAA Science Discussion Seminars:

Seminar Title: **Identifying key climate change information for marine and coastal ecological research**

Date/Location: Wednesday, 09 September 2009; 12:00 – 13:00 ETZ ([SSMC-4](#), Room 8150, [NOS](#) seminar)

Speaker(s): Karsten Shein (NOAA National Climatic Data Center)

E-mail(s): Karsten.Shein@noaa.gov

Abstract: A growing awareness of the potentially significant adverse effects that a variable climate may have on marine and coastal ecosystems has prompted “climate change” to be widely labeled as one of the foremost threats to those ecosystems. However, although a growing body of research is focused on the perceived impacts of climate change on marine and coastal ecosystems, and the environmental tolerance envelopes of many species are well documented through geographic analysis and laboratory studies, establishing correlations between climate variables and species health addresses just one aspect of the full impacts a variation in the overlying climate may have on a particular ecosystem. Arguably as

important as establishing which climatic conditions may play a role in exacerbating ecosystem stress is to understand how those conditions behave in space and time, and which ones may present the most dominant influence on species health. Unfortunately, information on these details of climate change is often not readily available or can easily be misinterpreted. Time-series observations from sparse networks, satellite imagery, and regionalized averages of climate variables may provide some information, but coarse resolutions and limited spatial coherence can hinder interpretation at the local scale. This discussion addresses some of the ways in which appropriate climate change information can be developed and presented to support marine and coastal research and decision making, discusses some of the climate information products and services of the NOAA National Climatic Data Center, and details the scope and limitations of relevant climatological data.

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).

Remote Access & Notes:

Share Web link to this seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_09Sep2009_Shein

OneNOAA Seminar Added:

[OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Tuesday, July 21, 2009 6:43 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Seminar Title: **Communicating NOAA's Science Through Social Media Tools**

Date/Location: Wednesday, 16 September 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, [NOAA Central Library Silver Spring Seminar](#))

Speaker(s): Bradley Akamine (NOAA Director of Online Communications), Ron Jones (NWS Internet Projects Specialist and Chair, DoC Social Media Working Group), Pat Erdenberger (NOAA Records Officer), Kate Naughten (NOAA Fisheries), and Emily Crum (NOAA National Ocean Service)

Abstract: Panel Discussion on best practices, policies, and innovative use of social media tools within NOAA and Department of Commerce. Join Bradley Akamine, NOAA Director of Online Communications, Ron Jones, NWS Internet Projects Specialist and Chair, DoC Social Media Working Group, Pat Erdenberger, NOAA Records Officer, Kate Naughten, NOAA Fisheries, and Emily Crum, NOAA National Ocean Service. Lively discussion

promised on using these new technology and communications tools to make NOAA data and science more useful, more efficient and more transparent to the public.

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_16Sep2009_Akamine_etal

OneNOAA Seminar Added: [OneNOAA Science Seminar](#) added Friday, August 7, 2009 11:44 AM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

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

announcement

OneNOAA [OneNOAA Science Seminar](#) added Friday, August 14, 2009 2:45 PM
Seminar Added: <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)
pending confirmation

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.

Download Presentation(s): TBD

Web link to this seminar announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_16Oct2009_Maibach

OneNOAA [OneNOAA Science Seminar](#) added

Seminar Added: <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

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

**Remote Access
& Notes:**

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).

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_26Oct2009_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

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

--

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/>

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