

Monday 20 April 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 seminar announcement is available:

http://www.nodc.noaa.gov/General/NODC-About/Outreach/docs/09/OneNOAASeminars_20Apr2009.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.

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1. [NODC](#) seminar series: NOAA work in the high latitudes and the International Polar Year 2007-2008
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#IPYSeminars>

In appreciation of the scientific advancements and fundamental role of the high latitude regions in global climate change, economics, and society, The National Oceanographic Data Center ([NODC](#)) is sponsoring a series of seminars by NOAA scientists, resource policy managers, educators, and other workers involved in Arctic and/or Antarctic. All NOAA staff are welcome to present a seminar and participate.

Next NODC IPY Seminar:

- ***When:*** April 24: Dr. Rebecca A. Woodgate (University of Washington). ***Title:*** **Changes In The Bering Strait - Pacific Gateway To The Arctic**. Seminar available via VTC and webcast/phone. ***Seminar details:*** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_24Apr2009_Rebecca_Woodgate

Upcoming IPY Seminars:

When: April 28: Dr. Susan Solomon (NOAA ESRL). **Title:** **Ozone Depletion, Greenhouse Gases, and the Special Case of Antarctic Climate Change.** **Where:** [SSMC-3](#) 4th Floor, Room 4527. **Seminar details:** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_28Apr2009_Susan_Solomon

When: April 30: Dr. Kelly K. Falkner (National Science Foundation). **Title:** **The Antarctic Integrated System Science on the Antarctic Peninsula.** **Where:** [SSMC-3](#) 2nd Floor, NOAA Central Library. **Seminar details:** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_30Apr2009_Kelly_Falkner

When: May 6 : Dr. Dan Seidov and Dr. Igor Smolyar (NOAA NODC). **Title:** **Barents Sea Warming.** **Where:** [SSMC-3](#) 2nd Floor, NOAA Central Library. **Seminar details:** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_06May2009_Seidov_Smolyar

When: May 7 : Jon Kurland (NOAA Fisheries, Alaska Region) and Mike Sigler (NOAA Fisheries, Alaska Fisheries Science Center). **Title:** **NOAA's Role in the Science and Management of Arctic Fish and Marine Mammals.** **Where:** [SSMC-3](#) 2nd Floor, NOAA Central Library. **Seminar details:** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_Kurland_Sigler

When: May 14: Dr. John Walsh (University Alaska Fairbanks). **Title:** **Recent Arctic climate change: Observations and model simulations.** **Where:** [SSMC-3](#) 2nd Floor, NOAA Central Library. **Seminar details:** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_14May2009_John_Walsh

When: May 21: Albert. E. Theberge Jr. (NOAA Central Library Silver Spring). **Title:** **NOAA Ancestors In The Polar Regions 1860-1970.** **Where:** [SSMC-3](#) 2nd Floor, NOAA Central Library. **Seminar details:** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_Albert_Theberge

When: May 28: Dr. John Cloud (NOAA Central Library Silver Spring). **Title:** **How NOAA got to High Latitudes in the First Place: George Davidson of the Coast Survey, and Koh-klux, and Alaska.** **Where:** [SSMC-3](#) 2nd Floor, NOAA Central Library. **Seminar details:** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_John_Cloud

When: June 11: Dr. Jawed Hameedi (NOAA NOS/NCCOS). **Title:** **Assessing human health impacts of environmental contamination in the U.S. Arctic.** **Where:** [SSMC-3](#) 2nd Floor, NOAA Central Library. **Seminar details:** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_11Jun2009_Hameedi

When: June 17: Dr. Jackie M. Grebmeier (Chesapeake Biological Laboratory). **Title:** **TBD**. [SSMC-3](#)
2nd Floor, NOAA Central Library. **Seminar details:** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_17Jun2009_Grebmeier

Pending confirmation/scheduling of seminar dates:

Julie Gourley (U.S. State Dept.). **Title:** The new US Arctic Policy
Dr. Taneil Uttal (NOAA ESRL). **Title:** The International Arctic System for Observing the Atmosphere.
Jeremy Potter (NOAA Program Coordination Office). **Title:** TBD
Dr. Pablo Clemente-Colón (U.S. National/Naval Ice Center). **Title:** TBD
Dr. John A. Calder (NOAA Arctic Research, Climate Program Office). **Title:** TBD
Anna Fiolek (NOAA Central Library Silver Spring). **Title:** TBD.

2. OneNOAA Science Seminars This Week:

Title: **Non-Gaussian Data Assimilation Methodologies**

Date/Location: Tuesday, 21 April 2009; 10:00-11:00 ETZ ([World Weather Building](#), Room 707, Camp Springs, MD; [JCSDA](#) seminar)

Speaker(s): Dr. Steven J. Fletcher (Cooperative Institute for Research in the Atmosphere, Colorado State University)

E-mail(s): Fletcher@cira.colostate.edu

Abstract: In the current versions of both variational and ensemble data assimilation a very important assumption is made about how the errors are distributed. This assumption is that the errors are Gaussian (normally) distributed. However, this assumption is using the implicit property of the Gaussian distribution that the difference between two Gaussian random variables is also a Gaussian random variable. Therefore, this is implying that the state variables and the observations are also Gaussian distributed. This is not possible for the positive definite variables which can not go negative. There are some techniques to deal with variables which are lognormally distributed through using another property of the Gaussian distribution rather than assuming a Gaussian fit. This property, or rather its inverse, is that the logarithm of a lognormal random variable is a Gaussian distributed random variable. This approach introduces a bias into the analysis solution as we will demonstrate. In this paper we shall present the outline of the derivations for non-Gaussian data assimilation with respect to lognormal random variables. We shall present a 3D and 4D variational approach, and demonstrate these techniques with the Lorenz'63 model, which can assimilate Gaussian and lognormal random variables, both background errors and observations errors, simultaneously.

Remote Access & Notes: **Phone Access:** Toll free 1-866-715-2479 Passcode: 9457557 ; International: 1-517-345-5260. For questions please contact Christina Bacon (301-763-8154 x 188; Christina.Bacon@noaa.gov).

About the speaker(s): <http://www.cira.colostate.edu/people/view.php?id=129>

Link to this seminar announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_21Apr2009_Fletcher

Download Presentation To be posted at <http://www.jcsda.noaa.gov/JCSDASeminars.php>

OneNOAA Seminar Added: <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html> added Friday, January 2, 2009 11:16 AM / Last edited Friday, April 10, 2009 12:14 PM

Title: **Improving Stream Temperature Predictions for River Water Decision Support Systems**

Date/Location: Tuesday, 21 April 2009; 12:00-13:00 (SSMC-3, Room 15836, [OHC](#) Seminar)

Speaker(s): Eric M. Danner, Ph.D. ([Southwest Fisheries Science Center](#), NOAA National Marine Fisheries Service)

E-mail(s): eric.danner@noaa.gov

Abstract: When making decisions about water allocations, state and federal water project managers must consider the short-term and long-term needs of agriculture, urban users, hydroelectric production, and flood control. They are also required by the Endangered Species Act (ESA) to make sure their decisions do not jeopardize the continued existence of any endangered or threatened species. The National Marine Fisheries Service (NMFS) evaluates water project impacts on threatened and endangered salmonids and provides a decision on these impacts by issuing a Biological Opinion (BiOp). For water projects across the United States the NMFS BiOps (or similar processes by other federal agencies) are the decision support systems (DSS) for water allocation decisions with respect to endangered species. The most recent BiOp for the Central Valley Project (CVP) in California was rejected by reviewers due to inadequate stream temperature and fish mortality models. These models are the current decisions support tools (DSTs) used in water allocation decisions, but are based on a monthly time step, which cannot take into account the fine scale temperature patterns that can be critical to salmonid survival. Thus NMFS is required to use models with finer spatiotemporal scales. Generating stream temperature estimates in near real time, at fine spatiotemporal scales, and over large geographic areas is problematic using existing modeling approaches. In a collaborative project with NASA, we are using high quality meteorological data coupled with ecosystem and statistical models to produce improved DSTs for stream temperature and fish mortality in the western U.S. The system will include nowcasting and forecasting capabilities that will provide stream temperature and

fish mortality estimates for every 1km of stream reach at 15-minute intervals. These improvements to the existing DSS will allow for substantially improved water allocation decisions by fisheries managers and water project managers.

**Remote Access
& Notes:**

For Webcast access: goto <https://www1.gotomeeting.com/register/579135849>. **For phone access:** 1-877-909-6204; Participant code: 551159. For questions about this seminar please contact Lani Watson (Lani.Watson@noaa.gov; 301-713-2325 x158).

**Link to this
seminar
announcement**

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_21Apr2009_Danner

**OneNOAA
Seminar Added:**

[OneNOAA Science Seminar](#) added Friday April 3, 2009 2:21 PM / Last updated Wednesday, April 15, 2009 1:42 PM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **Virtual Alaska**

Date/Location:

Wednesday, 21 April 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, [NOAA Central Library Silver Spring Seminar](#))

Speaker(s):

Eric Hackathorn (Virtual Program Manager, NOAA OAR/ESRL)

E-mail(s):

eric.j.hackathorn@noaa.gov

Abstract:

Fish for Alaska King Crab, climb to the top of Mt. McKinley, traverse a glacier, survive a winter Bering Sea storm - all of these are possibilities in the coming world of Virtual Alaska. Eric Hackathorn will discuss plans for Virtual Alaska, experiences that could be incorporated into such a site, how to enter this virtual world, and even how to create and build the landscape. Virtual Alaska and other virtual adventures such as flying through a hurricane on the wing of an aircraft and exploring underwater caves and reefs are attracting large numbers of "avatars" or virtual selves to one of the first government-sponsored Earth-science islands" in the rapidly growing online world of Second Life. To join in requires installing free software on your computer available at <http://www.secondlife.com>. For further information see: http://www.sciland.org/virtual_alaska_brown_bag.pdf and <http://www.sled-ak.ning.com>

**Remote Access
& Notes:**

Phone access: dial 866-631-5469; passcode: 3958086. See abstract for additional instructions. For further information about this seminar 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).

**Link to this
seminar
announcement**

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_21Apr2009_Hackathorn

OneNOAA Seminar Added: [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Monday, April 20, 2009 6:49 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **Analysis of the Upper Ocean Response to Hurricanes in the Gulf of Mexico Using Satellite Observations and Model Simulations**

Date/Location: Thursday, 23 April 2009; 10:00-11:00 ETZ ([SSMC-3](#), 4th Floor, Room 4817, [NODC](#) Seminar)

Speaker(s): Dr. Michelle M. Gierach (Marine Science Program, University of South Carolina, Columbia, South Carolina)

Abstract: Biophysical responses of the upper ocean to hurricanes in the Gulf of Mexico were examined using satellite observations and model simulations. It was important that both satellite observations and model simulations were used, since satellite sensors were sensitive to cloud interference, heavy rainfall, and only provided measurements near the ocean surface during hurricane periods. This study utilized 1/25° nested HYCOM simulations, 1/20° biophysical model simulations, and various satellite observations including QuikSCAT scatterometer winds, SeaWiFS and MODIS chlorophyll-a concentrations, and AVHRR and TMI sea surface temperatures. Such data were used to (1) assess the ocean surface response to Hurricanes Katrina, Rita, and Wilma of 2005 in the Gulf of Mexico, (2) examine the evolving three-dimensional (surface and subsurface) ocean response to Hurricane Katrina, and (3) analyze ecosystem dynamics, plankton biomass, and plankton distribution during Hurricane Katrina. Satellite observations of biophysical responses associated with Hurricanes Katrina, Rita, and Wilma of 2005 illustrated sea surface temperature changes of 6-7°C, 4-5°C, and 5-6°C, and chlorophyll-a enhancement of 3 mg m⁻³, 2 mg m⁻³, and 4 mg m⁻³. The degree and orientation of the responses exhibited were greatly affected by the oceanic processes that occurred within the Gulf of Mexico, as well as the translation speed of each hurricane. Satellite-detected surface responses associated with Hurricane Katrina occurred within a region from 23.5°-25.5°N and 85°-83°W. Analysis of model surface and subsurface dynamics in this region revealed strong upwelling/downwelling, wind-driven currents dominating the surface circulation, and near-inertial oscillations following Hurricane Katrina. The storm generated sea surface temperature cooling of 3-4°C and salinity freshening of 0.1-0.2. Analysis of heat-budget terms in the mixed layer indicated that wind-driven mixing dominated net upper-ocean cooling during hurricane passage, whereas at the mixed layer base temperature changes were largely due to vertical advection. Biophysical model simulations revealed that large phytoplankton were most responsive to hurricane-induced turbulent mixing and nutrient injection, with increases in biomass along the hurricane track. Small phytoplankton, microzooplankton, and mesozooplankton biomass primarily shifted in location and increased in spatial extent as a result of Hurricane Katrina. Hurricane passage disrupted the distribution of plankton biomass associated with mesoscale

eddies.

Remote Access & Notes: For questions about this seminar please contact Ken Casey (Kenneth.Casey@noaa.gov)

Notes about the speaker(s): Dr. Michelle Gierach recently earned her PhD from the University of South Carolina, working with Subrahmanyam Bulusu and specializing in Physical/Satellite Oceanography. Her dissertation research focused on understanding hurricane-induced biophysical responses in the Gulf of Mexico through satellite observations and model simulations. Prior to her work in South Carolina, she earned B.S. and M.S. degrees in Meteorology from Florida State University. During the Masters program at Florida State University, she worked with Drs. James O'Brien and Mark Bourassa, and focused on developing a vorticity-based detection technique of tropical cyclogenesis.

Link to this seminar announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_23Apr2009_Gierach

OneNOAA Seminar Added: [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Friday, April 3, 2009 2:36 PM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **The Vertical Structure of Arctic Warming**

Date/Location: Thursday, 23 April 2009, 10:00-11:00 ETZ ([World Weather Building](#), Room 209, Camp Springs, MD; [JCSDA](#) seminar)

Speaker(s): Erland Källén (Department of Meteorology, Stockholm University)

Abstract: The Arctic area has undergone a significant surface warming over the last 30-40 years and simultaneously the sea ice cover has decreased significantly. The Arctic warming is about twice as large as the average global surface warming for the same time period. It is commonly conjectured that the retreat of the summer Arctic sea ice cover and the positive ice-albedo feedback is the main reason for the enhanced Arctic warming. We have analyzed the vertical structure of the Arctic warming over the past 30 years using re-analysis data. We find that the warming maximum is not at the surface but rather at about 3 km height. This leads us to look for other possible physical mechanisms responsible for the warming. We find that the warming maximum is linked to an increased baroclinic heat transport into the Arctic region. How this increased heat transport may be coupled to global warming remains an open question. We also discuss limitations of using re-analysis data to determine climate trends.

Remote Access & Notes: **Phone access details:** U.S. participants: 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)

Download Presentation(s): To be posted at <http://www.jcsda.noaa.gov/JCSDASeminars.php>

Link to this seminar announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_23Apr2009_Kallen

OneNOAA Seminar Added: [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Wednesday, April 15, 2009 1:25 PM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: Changes In The Bering Strait - Pacific Gateway To The Arctic

Friday, 24 April 2009; 10:30-11:30 Seattle, Washington Local Time (13:30-12:30 Maryland Local Time) [Presentation available by teleconference from Seattle, WA in [SSMC-3](#) Room 4817, [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): Dr. Rebecca A. Woodgate ([Applied Physics Laboratory, University of Washington](#))

E-mail(s): woodgate@apl.washington.edu

Abstract: The Bering Strait is the only gateway between the Pacific Ocean and the Arctic Ocean. The flow through this strait is an important source of nutrients, heat and freshwater for the Arctic, and is believed to have influence as far away the Atlantic. There have been challenges to gather the now nearly 2 decades of year-round measurements in the strait, but this record is now allowing us to quantify the changing influence of the Pacific waters on the Arctic system.

Remote Access & Notes: If you are in Silver Spring, you can watch this presentation via **VideoTeleConferencing (VTC)** as well as **webcast** in [SSMC-3](#), 4th Floor, Room 4817 (NODC). Other remote users can access this seminar via a combination of webcast and phone. **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). 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). For questions about VideoTeleConferencing please contact Cheryl.Ingram@noaa.gov (301-713-3284 x155)

Notes about the speaker(s):

Dr Woodgate is a physical oceanographer, specialising in polar research, with special focus on the circulation of the Arctic Ocean, interactions between sea-ice and the ocean, and the role of the polar oceans in climate. Her research (see High Latitude Dynamics website) concentrates on the collection and analysis of in-situ oceanographic data. She has worked for many years in the deployment and recovery of moored oceanographic instrumentation in ice-covered waters, and the analysis of both mooring and hydrographic data. She is involved in undergraduate teaching and graduate education. She has worked on British, German, Norwegian and American research vessels and led expeditions to Bering Strait and the Arctic Ocean. Her first degree is in Physics from the University of Cambridge and her PhD (University of Oxford) is in Data Assimilation in Ocean models. Her postdoc work was done at the Alfred-Wegener Institute in Germany. Her goal is to understand the physical processes in both Arctic and Antarctic regions, and to use her background to bridge the gap between theory, modelling and real observations of the oceans. See <http://psc.apl.washington.edu/pscweb2002/Staff/woodgate/woodgate.html>.

Link to this seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_24Apr2009_Rebecca_Woodgate

OneNOAA Seminar Added:

[OneNOAA Science Seminar](#) added Thursday February 12, 2009 6:25 AM / Last edited Friday April 17, 2009 8:15 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

3. Upcoming OneNOAA Science Seminars:

Title: **Using Social Network Analysis to Address Coastal Management Issues**

Date/Location: Friday, 24 April 2009; 12:00 – 13:00 ETZ (SSMC-3, Room #12836, NMFS/NOS seminar)

Speaker(s): Chris Ellis (NOS Coastal Services Center)

E-mail(s): Chris.Ellis@noaa.gov

Abstract: Social Network Analysis (SNA) is a multidisciplinary research method that is increasingly being used to uncover relationships among individuals and groups in both personal and professional contexts. Understanding existing professional and social relationships and structures is vital to maximize communication, nurture supportive relationships, and build efficiencies in the workforce. This presentation

will provide a general overview on the theory and practice of SNA, and it will highlight a number of SNA research projects that illustrate its practical use and application of data. Limitations of SNA will also be discussed.

Remote Access & Notes:

This presentation will not be available via Webcast. For more information contact Susan Abbott-Jamieson (NMFS) at Susan.Abbott-Jamieson@noaa.gov or Theresa Goedeke (NOS) at Theresa.Goedeke@noaa.gov.

Link to this seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_24Apr2009_Ellis

OneNOAA Seminar Added:

[OneNOAA Science Seminar](#) added Tuesday, April 7, 2009 7:04 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title:

Ozone Depletion, Greenhouse Gases, and the Special Case of Antarctic Climate Change

Tuesday, 28 April 2009; 13:00-14:00 ETZ ([SSMC-3](#), 4th Floor Large Conference Room #4527, [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):

Dr. Susan Solomon (NOAA [Earth System Research Laboratory](#))

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). 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):

Dr. Susan Solomon is Senior Scientist, [NOAA/ERL](#), [Chemical Sciences Division](#). See <http://cires.colorado.edu/people/solomon/>

Link to this

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

*seminar
announcement*

seminars09.html#OneNOAASeminar_IPY_28Apr2009_Susan_Solomon

*OneNOAA
Seminar
Added:*

[OneNOAA Science Seminar](#) added Thursday, February 5, 2009 6:31 AM / Last updated Tuesday, March 17, 2009 10:23 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title:

Project FishSmart: A stakeholder-centered approach to improve fisheries conservation and management

Date/Location:

Tuesday, 28 April 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, [NOAA Central Library Silver Spring Seminar](#))

Speaker(s):

Dr. Tom Miller and Dr. Mike Wilberg (Center for Environmental Science, University of Maryland)

Abstract:

Despite increasing dissatisfaction among many stakeholder groups, fisheries management often does not allow for a meaningful exchange of information and ideas between stakeholders and managers. Stakeholders in several prominent U.S. fisheries have been frustrated by a perceived lack of inclusion of their views in fishery management decisions, which has led to distrust of management and the potential for problems with compliance. Our objective was to develop a process that allowed stakeholders to develop recommendations to 1) improve the fishery through voluntary measures and 2) provide management recommendations that they supported. We developed a “stakeholder-centered” process that allowed stakeholders to evaluate how well alternative options could achieve their goals using a decision analysis model. The first application of this collaborative process was to the king mackerel (*Scomberomorus cavalla*) fishery off the southeastern Atlantic coast of the U.S. The stakeholder workgroup developed objectives for the fishery, performance measures to gauge whether objectives were reached, and options that could be used to reach the objectives. Objectives included traditional and non-traditional goals such as maintaining high and stable catches and retaining the ability to catch large fish, and options included both voluntary changes in fishing practices (e.g., adoption of techniques that reduce catch and release mortality) and mandatory regulations (e.g., size limits or bag limits). Through an iterative process, stakeholders assisted in developing a model to allow them to compare how well their options met their vision for a quality fishery. The workgroup developed a consensus suite of recommendations, including more conservative length and bag limits than those recommended by the Council’s Scientific and Statistical Committee, based on the results of the decision analysis. The immersion of stakeholders in the available science and model development and evaluation eventually led to recognition that more conservative management was necessary to achieve their objectives. This project demonstrated that stakeholders can be included in a meaningful participatory process that can improve fisheries management, but inclusion requires increased time and an effort to provide science

without jargon or condescension.

**Remote Access
& Notes:**

For general questions about this seminar, please contact Mary Lou Cumberpatch (Mary.Lou.Cumberpatch@noaa.gov) or Skip Theberge (Albert.E.Theberge.Jr@noaa.gov).

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

Tom Miller is a Professor of fisheries science at the Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science. Dr. Miller's research focuses on a range of fisheries topics including fisheries ecology with emphasis on early life history, population dynamics and stock assessment, and quantitative methods in ecology with emphasis on modeling, and experimental design and statistics. Mike Wilberg is a Professor of fisheries science at the Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science. Dr. Wilberg's research focuses on fisheries management, development and evaluation of stock assessment methods, fisheries population dynamics, decision analysis, survey design, and statistical estimation and modeling in ecology.

**Link to this
seminar
announcement**

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_28Apr2009_Miller

**OneNOAA
Seminar Added:**

[OneNOAA Science Seminar](#) added Friday, April 3, 2009 3:53 PM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **Synthesis of Southern Ocean Food Webs**

Date/Location: Wednesday, 29 April 2009; Time ETZ ([SSMC-4](#), Room 8150, [NOS](#) seminar)

Speaker(s): Dr. Eileen Hofmann (Old Dominion University)

E-mail(s): hofmann@ccpo.odu.edu

Abstract:

Some of the strongest regional expressions of global climate change have occurred in the Southern Ocean. Changes to the environment, including modifications in sea ice extent and concentration, have been associated with variations in ecosystems and biogeochemical processes. The region is characterized by unique food webs, is an important component of the global carbon cycle, and supports commercially harvested species. Understanding climate-induced changes and their consequences for food webs and biogeochemical cycling is integral to predicting the impacts and feedbacks of the Southern Ocean as part of the Earth System, and to developing sustainable management for the region. Fundamental to predicting how ecosystems respond to change is an understanding of food web structure and function. This requires synthesis of current knowledge of Southern Ocean food webs and modeling approaches. This presentation will review the status of Southern Ocean food web models and explore issues associated with developing these to the circumpolar scale. The gaps in knowledge that limit current food web models will be highlighted with

particular emphasis on the importance of considering regional and trophic complexities. Multidisciplinary modeling approaches that bring together different scales and processes will be discussed with a particular focus on the development of end-to-end food web models for the Southern Ocean.

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).

Notes about the speaker(s): Eileen Hofmann has been involved with the Global Ocean Ecosystem Dynamics (GLOBEC) Program since the late 1980s and became Chair of the Southern Ocean GLOBEC program in the mid-1990s. She was involved in the US Southern Ocean GLOBEC field program, which took place along the western Antarctic Peninsula continental shelf in 2001 and 2002. Her other research interests are in the areas of physical-biological interactions in marine food webs, shellfish population dynamics and disease ecology, and data assimilation for marine ecosystem models.

Link to this seminar announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_29Apr2009_Hofman

OneNOAA Seminar Added: [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Monday, April 20, 2009 6:40 AM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **The Antarctic Integrated System Science on the Antarctic Peninsula**

Thursday, 30 April 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): Dr. Kelly K. Falkner (Program Director, Antarctic Integrated System Science, [Office of Polar Programs](#), [National Science Foundation](#))

E-mail(s): kfalkner@nsf.gov

Abstract: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503240&org=NSF&from_org=NSF

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). 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).

Notes about the speaker(s): <http://chemoc.coas.oregonstate.edu:16080/~kkfalkner/>

Download Presentation(s): TBD

Link to this seminar announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_30Apr2009_Kelly_Falkner

OneNOAA Seminar Added: [OneNOAA Science Seminar](#) added Wednesday, January 21, 2009 11:20 AM / Last edited Thursday, January 22, 2009 10:57 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **Barents Sea Warming**

Thursday, 06 May 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, NOAA Central Library Silver Spring, [NODC Seminar](#)) *Note new date*
A [NODC seminar as part of the "NOAA work in the high latitudes and the International Polar Year 2007-2008 seminar series"](#)

Date/Location: For further information about the IPY seminars see:
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#IPYSeminars>

Speaker(s): Dr. Dan Seidov and Dr. Igor Smolyar (NOAA [NODC](#))

E-mail(s): Dan.Seidov@noaa.gov & Igor.Smolyar@noaa.gov

Abstract: We present the results of a study of long-term thermohaline history of the Barents Sea (BS) using the *World Ocean Database* at NOAA [NODC/Ocean Climate Laboratory](#). The database includes over 230,000 stations for the BS, with the time series beginning as early as 1900. The focus is on thermohaline regime shifts in the

BS that may be instrumental for better understanding and prediction of possible future climate change in the Arctic Ocean. Area-averaged time series of temperature at various depth levels of the BS for the years 1900 through 2006 is discussed. The center of attention is on the half-century climate history of the BS since 1956. The ascertained ocean climate trends in the BS align closely with spectacular surface air temperature increase over the entire Arctic and/or with the rapid summer sea ice retreat since the end of the 1990s. Our analysis shows dramatic shifts of climate regimes in the BS since late sixties and strong warming in the subsurface layers since late eighties.

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). Please

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**Link to this
seminar
announcement**

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_06May2009_Seidov_Smolysar

**OneNOAA
Seminar
Added:**

[OneNOAA Science Seminar](#) added Tuesday, February 10, 2009 11:10 AM / Last edited Wednesday, February 25, 2009 8:36 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title:

NOAA's Role in the Science and Management of Arctic Fish and Marine Mammals

Wednesday, 07 May 2009; 12:00-13:00 ETZ ([SSMC-3](#), 2nd Floor, NOAA Central Library Silver Spring, [NODC Seminar](#)) *Note new date*

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):

Jon Kurland (Acting Deputy Regional Administrator, NOAA Fisheries, [Alaska Region](#)) and Mike Sigler (Program Leader, Habitat and Ecological Processes Research

Program NOAA Fisheries, [Alaska Fisheries Science Center](#))

E-mail(s): Jon.Kurland@noaa.gov ; Mike.Sigler@noaa.gov

NOAA's National Marine Fisheries Service is actively involved in a variety of research and management activities related to the conservation of Arctic fish and marine mammal populations. NOAA Fisheries' Alaska Regional Office and Alaska Fisheries Science Center have been involved in Arctic projects for many years, but the scope and breadth of our work in the Arctic has expanded substantially in the past few years and will continue to grow with climate change. This presentation will provide an overview of NOAA Fisheries' current science and management activities in the Arctic as we begin addressing the consequences of climate change and the associated loss of sea ice, and as we prepare for the resource management challenges that lie ahead. The topics discussed will include:

- Development of a new Arctic Fishery Management Plan with precautionary fishery closures;
- Development of new habitat conservation measures for Bering Sea groundfish fisheries, including area closures and fishing gear modifications;
- Ice seal research and completion of status reviews for four species of ice seals to consider listing under the Endangered Species Act;
- Participation in the interagency North Slope Science Initiative to coordinate research and monitoring activities amongst federal, state, local, and private entities;
- Participation in the interagency Alaska Marine Ecosystem Forum to coordinate management activities amongst federal and state agencies that have jurisdiction over activities affecting the marine environment;
- Support for the U.S. delegation to the International Whaling Commission to ensure continued subsistence use of whales by Native Alaskan communities;
- Consultations on oil and gas development activities and related infrastructure to minimize adverse effects to fish, marine mammals, and their habitats;
- Completion of a Beaufort Sea offshore fish survey and planning for a similar survey in the Chukchi Sea;
- Continuation of nearshore fish habitat surveys near Point Barrow;
- Monitoring of fish, shellfish, and marine mammal species in the northern Bering Sea where northward expansion is expected; and
- Development of a research plan for the new Northern Bering Sea Research Area.

Abstract:

The presentation will also highlight the biggest needs for promoting the conservation and sustainable use of Arctic living marine resources as sea ice recedes and human activities continue to increase.

[Link to abstract http://www.nodc.noaa.gov/General/NODC-About/Outreach/docs/09/OneNOAA_IPY_Kurland_Sigler_NMFS_Arctic_Abstract_2-09.pdf]

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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). 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).

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**OneNOAA
Seminar
Added:** [OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Thursday, February 12, 2009 7:42 AM / Last edited Wednesday, March 4, 2009 6:49 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **Climate change, marine food webs and survival of juvenile salmon during the first summer at sea in the northern California Current**

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

Speaker(s): Bill Peterson (NOAA/Fisheries, Northwest Fisheries Science Center)

E-mail(s): bill.peterson@noaa.gov

Abstract: Long-term sampling of hydrography and zooplankton at biweekly intervals in the coastal upwelling zone off Oregon for the past 13 years has shown that variations in copepod biodiversity, species richness and community structure are highly-correlated with the PDO. When the PDO is in negative phase (as in 1999-2002), waters from the Gulf of Alaska feed the northern California Current (NCC) and transport large, lipid-rich copepods to the shelf waters of the NCC; when the PDO is positive (as in 2003-2006), waters from offshore and south feed the NCC and transport small, oceanic lipid-poor copepods to the coast. Thus the forces that drive the PDO, basin scale variations in wind, result in local food chains with vastly different bio-energetic content. These signals may be transmitted up the food chain to salmon since interannual variations in salmon returns are highly-correlated with biomass of “northern” lipid-rich zooplankton species. Thus, knowledge of source waters which feed the NCC is critical for understanding ecosystem dynamics in the shelf waters of the NCC. A comparison of hydrographic and zooplankton data from

the 1960s and 1970s with recent data, shows that the Northern California Current ecosystem is becoming more subtropical in nature, likely due to climate change.

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).

Remote Access & Notes:

Link to this seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_13May2009_Peterson

OneNOAA Seminar Added:

[OneNOAA Science Seminar](http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html) added Friday, March 27, 2009 6:48 AM / Last updated Wednesday, April 8, 2009 1:58 PM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: Recent Arctic climate change: Observations and model simulations

Thursday, 14 May 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): Dr. John E. Walsh ([International Arctic Research Center, University of Alaska, Fairbanks](#))

E-mail(s): jwalsh@iarc.uaf.edu

Abstract:

Observations of different parts of the Arctic system present a coherent picture of change over the past half century. The climate models used to project future changes capture the past variations to varying degrees Here we survey the performance of global climate models in simulating Arctic climate, with particular attention to simulations of the seasonal cycle, natural variations and greenhouse-driven changes. The role of low-frequency variations in confounding future projections will be given special attention, as will the impacts of deficiencies in model simulations of sea ice and the Arctic terrestrial surface. We will then address the downscaling of Arctic climate simulations by presenting the results of initial attempts to produce high-

resolution scenarios of climate change for Alaska.

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

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**About the
speaker(s):**

Dr. Walsh is Professor of Climate Change & Chief Scientist, [International Arctic Research Center](#). See

http://www.iarc.uaf.edu/people/indiv/iarc_all_staff.php?photo=jwalsh

**Link to this
seminar
announcement**

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_IPY_14May2009_John_Walsh

**OneNOAA
Seminar
Added:**

[OneNOAA Science Seminar](#) added Wednesday, January 21, 2009 10:57 AM / Last edited Tuesday, March 24, 2009 6:55 AM

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

Title: **Multispecies Tradeoffs Near Marine Reserves**

Date/Location: Monday, 18 May 2009; 11:30 – 12:30 ETZ ([SSMC-4](#), Room #8150, [NOS](#) seminar)

Speaker(s): Julie B. Kellner (Dept. of Environmental Science and Policy, UC Davis)

E-mail(s): jbkellner@ucdavis.edu

Abstract:

No-take marine reserves are a rising trend in fisheries management and have been proposed as an alternative or complementary tool to conventional management which may help counteract multiple fishing impacts. Marine reserves typically lead to population abundances that are much more spatially heterogeneous relative to the patterns produced by conventional forms of fisheries regulations such as catch quotas, size limits, and gear regulations. High abundances inside marine reserves may sustain regional populations through spillover of larvae and adults, but this management-induced heterogeneity in fishing effort and population levels may also have unexpected consequences at the community level. Using a suite of ecological models, I will illustrate the types of multispecies tradeoffs that may arise due to marine reserve implementation. Three questions will be addressed: (1) Can marine

reserves be effective tools in warding off invasion by exotics, (2)How will targeted fishing at reserve boundaries ("fishing the line") influence the distribution of fish populations inside and outside reserves, and (3) When do we expect to see trophic cascade effects inside reserves due to the recovery of higher trophic levels? This presentation will highlight the pressing need to transition from single-species analyses to examining community responses to fisheries management across broader biological and spatial scales, and consequently demonstrate the challenges involved in implementing ecosystem-based management.

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).

Remote Access & Notes:

Link to this seminar announcement

OneNOAA Seminar Added:

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_18may2009_Kellner

[OneNOAA Science Seminar](#) added Thursday, March 19, 2009 10:31 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **Experimental Forecast of Area Burned For Interior Alaska**

Date/Location: Tuesday, 19 May 2009; 10:00-11:00am Alaska Local Time ([RISA/ACCAP](#) seminar via teleconference)

Speaker(s): Paul Duffy (Neptune Inc.)

Abstract:

2004 and 2005 were the largest fires years on record in Alaska. Climate change is expected to bring warmer temperatures and therefore greater drying and and more frequent extreme fire years in the future. The Alaska Center for Climate Assessment and Policy is testing a new pilot website to forecast area burned for Interior Alaska, based on a gradient boosting model that takes advantage of strong linkages between teleconnection indices, weather, and fire in Alaska. Join us as we showcase this web-tool to learn more about how the forecasts are created and how you can stay up to date this summer on the fire forecast in Alaska.

Remote Access & Notes:

How to Participate / Log-In to the Alaska Climate Teleconference: 1) With a regular telephone dial: 1-800-893-8850. 2) When prompted, enter the PIN code: 7531823 . PLEASE MUTE YOUR PHONE DURING THE PRESENTATION.

The audio is very sensitive and your external conversations and typing can be heard by other participants. Thank You. **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 . If you do not see anything on your screen, click on the refresh button on the top bar. 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.

Download Presentation(s):

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Link to this seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_19May2009_Duffy

OneNOAA Seminar Added:

[OneNOAA Science Seminar](#) added Tuesday, April 14, 2009 11:08 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title:

A Sensitivity Study of the Operational NSSL WRF Using Unique NASA Assets

Date/Location:

Wednesday, 20 May 2009 14:00-15:00 ETZ [Check time] ([World Weather Building](#), Room 707, Camp Springs, MD; [JCSDA](#) seminar)

Speaker(s):

Jonathan Case (NASA / MSFC / [SPoRT](#))

Abstract:

TBD

Remote Access & Notes:

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

Download Presentation(s):

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Link to this seminar announcement

http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_20May2009_Case

OneNOAA Seminar Added:

[OneNOAA Science Seminar](#) added Wednesday, January 21, 2009 12:29 PM /
 Last edited Friday March 13, 2009 8:09 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: NOAA Ancestors In The Polar Regions 1860-1970

Thursday, 21 May 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): Albert E Theberge Jr (NOAA [Central Library](#))

E-mail(s): Albert.E.Theberge.Jr@noaa.gov

Abstract: TBD

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<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). 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:

http://www.photolib.noaa.gov/meet_skip.html

Notes about the speaker(s):

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OneNOAA Seminar Added: [OneNOAA Science Seminar](#) added Monday, March 2, 2009 1:06 PM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: How NOAA got to High Latitudes in the First Place: George Davidson of the Coast Survey, and Koh-klux, and Alaska

Thursday, 28 May 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): Dr John Cloud (NOAA [Central Library](#))

E-mail(s): John.Cloud@noaa.gov

Abstract:

Through its legacy agencies, NOAA has participated in every one of the International Polar Years. But the real beginnings of high latitude research involve the US purchase of "Russian America" in 1867, and then a research expedition for a total solar eclipse in 1869. George Davidson, the head of the US Coast Survey on the Pacific coast, was at the center of both activities. During the eclipse expedition, Davidson met and befriended a major Tlingit chief, named Koh-klux. In response to the eclipse, and the complex politics of Alaska, Davidson and Koh-klux made an exchange of lasting significance. Davidson made a painting of the eclipse as seen through his telescope at totality; Koh-klux and 2 of his wives made a large and extremely detailed map of the series of routes and trails/portages between the Tlingit homelands in coastal Alaska along the Lynn Canal, across the Chilkhat Passes and down to the main stem of the Yukon River at Fort Selkirk. The areas and the routes were later thoroughly transformed by the discovery of gold in the Klondike region. The 19th century Koh-klux map, re-discovered in the late 20th century, is now seen as a major historical document in the cultural history of native descendants in three different language families in Alaska and the Yukon. IPY4 (2007-2008) was the first Polar Year effort to formally acknowledge indigenous culture and knowledge in polar and high latitudes research. But George Davidson had initiated that from the very beginnings of his work in Alaska.

For Webcast access: 1) go to

<http://www.mymeetings.com/nc/join.php?i=741283869&p=nodc1315&t=c>; 2) type

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& Notes:

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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).

Link to this seminar

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

announcement

OneNOAA Seminar Added: [OneNOAA Science Seminar](#) added Monday, March 2, 2009 1:06 PM / Last edited Monday, April 13, 2009 11:32 AM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

Title: **Assessing Human Health Impacts of Environmental Contamination in the U.S. Arctic**

Thursday, 11 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. Jawed Hameedi (NOAA [NCCOS](#))

E-mail(s): Jawed.Hameedi@noaa.gov

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 note that webcast & phone access is limited to 50 connections on a first-come-first served basis. **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).

Download Presentation(s): TBD

Link to this seminar Announcement http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_11Jun2009_Hameedi

OneNOAA Seminar Added: [OneNOAA Science Seminar](#) added Monday, March 23, 2009 12:39 PM
<http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>

- Title:** **TBD**
- 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
- 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 note that webcast & phone access is limited to 50 connections on a first-come-first served basis. 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).
- 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 http://arctic.cbl.umces.edu/web-content/Jacqueline_Grebmeier/index.html).
- Download Presentation(s):** TBD
- Link to this seminar Announcement** http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html#OneNOAASeminar_17Jun2009_Grebmeier
- OneNOAA Seminar Added:** [OneNOAA Science Seminar](#) added Wednesday February 18, 2009 3:28 PM <http://www.nodc.noaa.gov/General/NODC-About/Outreach/NODC-seminars09.html>
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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 [Check time] ([World Weather Building](#), Room 707, Camp Springs, MD; [JCSDA](#) seminar)

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

Abstract: TBD

Remote Access & Notes: **Phone Access:** Toll free 1-866-715-2479 Passcode: 9457557 ; International: 1-517-345-5260. For questions please contact Christina Bacon (301-763-8154 x 188; Christina.Bacon@noaa.gov).

Download Presentation(s): TBD

Link to this seminar announcement 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, March 13, 2009 8:09 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 note that webcast & phone access is limited to 50 connections on a first-come-first served basis. **For general questions about this seminar,** please contact Tim Boyer (Tim.Boyer@noaa.gov) and Hernan Garcia (Hernan.Garcia@noaa.gov).

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

announcement

**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: **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)

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 note that webcast & phone access is limited to 50 connections on a first-come-first served basis. Space in conference Room 4817 in [SSMC-3](#) is limited to about 20-25 people. For general questions about this seminar, please contact Hernan Garcia (Hernan.Garcia@noaa.gov). For further information about the speaker, please contact 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.

Download Presentation(s): TBD

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](#) 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

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 note that webcast & phone access is limited to 50 connections on a first-come-first served basis. **For general questions about this seminar,** please contact Hernan Garcia (Hernan.Garcia@noaa.gov).

Remote Access & Notes:

Notes about the speaker(s):

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>.

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Link to this 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>

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- Please share the seminar announcements with anyone interested. Please notify us of any errors that you find so that we can correct them.
- Remote access to seminars is available when indicated via web/phone access. When available, seminar presentations will be available for download (see Notes for each seminar).

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