

ESSAS 2009 ANNUAL MEETINGS (June 17–19, Seattle, WA)

The Ecosystem Studies of Sub-Arctic Seas (ESSAS) project is an international circum-polar collaboration of scientists within the [Global Ocean Ecosystem Dynamics \(GLOBEC\)](#) program working to advance understanding of how climate change will affect marine ecosystems in Sub-Arctic Seas. The goal of ESSAS is to compare, quantify and predict the impact of climate variability on the productivity and sustainability of Sub-Arctic marine ecosystems.



ESSAS will hold its 2009 Annual Science Meeting (ASM) and its Scientific Steering Committee (SSC) meeting during 17-20 June in Seattle, Washington, USA, on the University of Washington campus (in the Fisheries Science Building, 1122 NE Boat Street) during the week prior to the GLOBEC Open Science Meeting in Victoria, BC, Canada. Contact: George Hunt-geohunt2@u.washington.edu



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The 2009 ESSAS Annual Meeting and SSC Meeting will be held in Seattle, Washington.

Activities planned for the ESSAS 2009 ASM include:

Thursday 18 June 2009:

- A workshop on *Gadid-Crustacean Interactions* will be co-convened by Earl Dawe (Canada) and Franz Mueter (USA) who co-chair the new ESSAS Working Group on “Climate Effects at Upper Trophic Levels”. A number of sub-Arctic ecosystems have experienced major ‘regime shifts’ in fishery resources between demersal fish and crustaceans. The workshop will review gadoid-crustacean dynamics and the possible role of physical forcing and fisheries on population shifts between demersal and crustacean species in several of the sub-arctic regions. Invited speakers include:
 - David Armstrong (USA) University of Washington School of Aquatic & Fishery Sciences;
 - Svein Sundby (Norway) Institute of Marine Research;
 - Julian Burgos (USA) University of Washington;
 - Orio Yamamura (Japan) Hokkaido National Fisheries Research Institute;
 - Siddeek Shareef (USA) Alaska Department of Fish and Game;
 - Kai Wieland (Denmark) Technical University of Denmark;
 - Olafur Astthorson (Iceland) Marine Research Institute of Iceland; and
 - Carsten Hvingel (Norway) Institute of Marine Research.

- A workshop on “*Advection and Its Effects in Sub-Arctic Ecosystems*” will be convened by Ken Drinkwater (ESSAS Co-Chair), and conducted jointly with scientists from the Arctic Sub-Arctic Ocean Fluxes (ASOF) program. Invited speakers at this workshop include:
 - Hjálmar Hátún (Faroes) who will speak on “*Sub-polar gyre variability and its effects on blue whiting*”;
 - Eleanor Williams (USA) on “*Advection off the West Greenland Shelf and its effects on the bloom dynamics in the Labrador Sea*”;
 - Peter Rhines (USA) on “*Variability in the Subpolar Gyre*”;
 - Yugo Shimizu (Japan) on “*Transport of sub-Arctic large copepods in the Oyshio*”;
 - Harald Loeng (Norway) on “*Exchanges between the Barents Sea and the Arctic*”;
 - Rebecca Woodgate (USA) on “*Flow through the Bering Strait*”; and
 - Phyllis Stabeno (USA) on “*Physical oceanography of the Bering Sea*”; and
 - Craig Lee (USA) on “*Atlantic Bloom Experiment south of Iceland*”.In addition to presentations both ASOF and ESSAS scientists, discussions will be held to develop greater cooperation and collaboration between ESSAS and ASOF.

Friday 19 June 2009:

- The ESSAS Working Group on “Regional Climate Prediction” (Chaired by Jim Overland / USA) will present results of their research conducted on issues related to climate change, including the International Panel on Climate Change (IPCC) model-selection techniques for downscaling. In addition, Mike Wallace of the University of Washington will give an invited presentation on climate prediction issues.

- The ESSAS Working Group on “Bio-Physical Coupling (Chaired by George Hunt (USA and ESSAS Co-Chair)) will provide an update on work initiated at the annual ESSAS meetings held

in Hakodate, Japan (2007) and Halifax, Canada (2008). In addition, Mike Sigler (Alaska Fisheries Science Center, Juneau, AK) is scheduled to give a presentation on: *Persistence of forage fish 'hot spots' and their importance to foraging Steller sea lions in southeast Alaska*.

- The ESSAS Working Group on “Modeling Ecosystem Response” (Co-Chaired by Bernard Megrey (USA), Shin-ichi Ito (Japan), and Kenny Rose (USA)) will convene a workshop to examine different approaches to the development of End-to-End fully integrated models of marine ecosystems. At least three different approaches will be discussed, including the new model under development for the eastern Bering Sea, as part of the Bering Sea Integrated Ecosystem Research Program (BSIERP), the design and construction of a new fully integrated biophysical ecosystem model and versions of the Atlantis model that is being tuned for the Norwegian/Barents Sea and for the California Current System. Presentations during Friday morning will be followed by discussion in a Workshop format Friday afternoon. This workshop will include an update on development of a manuscript to report comparative ECOPATH modeling results initiated at the 2008 Annual Science Meeting.

Registration:

It would be greatly appreciated if individuals planning to attend either the Thursday or Friday workshops would inform Margaret McBride (margaret.mary.mcbride@imr.no) so that we can plan for rooms of an appropriate size and order sufficient refreshments for morning and afternoon breaks. Registration will be \$20.00 for two days and \$80.00 for the banquet on Thursday evening. Please be prepared to pay cash at registration.

Accommodation:

A block of rooms under the Group name ESSAS has been held until 5 May 2009 at the **University Inn**, 4140 Roosevelt Way NE, Seattle, WA 98105. Reservations may be made by Phone/(206) 632-5055 or Toll Free/(800) 733-3855 or Fax/(206) 547-4937.

E-mail: reservations@universityinnseattle.com. Website reservations are not available.

A second block of rooms under the ESSAS Group name is being held at the **Hotel DECA**, 4507 Brooklyn Ave NE, Seattle, until 15 May. Reservations may be made by phone (206) 634-2000, FAX (206) 545-2103 or emailing requests to reservations@hoteldeca.com. The hotel website is at: <http://www.hoteldeca.com/> and our group code is: 42482. Instructions for web registration are provided on the following page.

- The ESSAS Scientific Steering Committee (SSC) will meet in Seattle for a full day on Wednesday, June 17th just prior to the (ASM), and for a half-day on the morning of Saturday, June 20th. Individuals not on the SSC but wishing to attend should contact either George Hunt (geohunt2@u.washington) or Ken Drinkwater (ken.drinkwater@imr.no).

STEP BY STEP ONLINE Registration for the Hotel DECA

- Enter Web Address: www.hoteldeca.com
- Select "Reservations" (upper left corner)
- Click on "Enter Group Code" second box on the bottom of the page
- Enter "Arrival Date"
- Enter "Departure Date"
- Enter "Group Code" in Group/Event ID: 42482

Please do not enter any preferences on this page. The preferences are a sorting tool and the group rate may not pull up if any preferences are noted – there will be a place to enter requests/preferences AFTER the rate is selected

- Select "Begin Search"
- Scroll down to the bottom of this page
- Select "View Rates"
- Select Rate Plan
- Scroll down to bottom of Room & Rate Plan Detail Page
- Check "Accept Guarantee/Deposit & Cancellation Policy"
- Select "Enter Guest Info"
- Guest information page – Please enter ALL the required information
- Preferences & Requests can & should be noted on this page
- When all information is filled in, select "Complete Reservation"
- The final page is the copy of the guest's reservation (please print for your records)

Reservation must be cancelled & rebooked to make any changes online. You may also call or e-mail the hotel directly, however changes made directly to the hotel may not be reflected online. The hotel's reservations department can be reached by phone at 1-800-624-0670 or e-mail at reservations@hoteldeca.com

