

Agenda

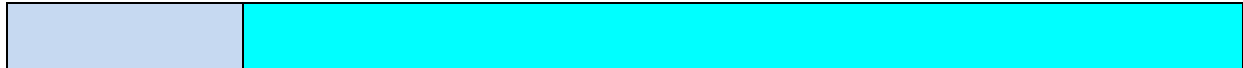
Tuesday, May 3 (Day 1)	
8:00 - 9:00 AM	Registration and coffee
9:00 - 9:15 AM	<i>Welcoming Remarks --</i> <i>Debbie Lee, Director NOAA Great Lakes Environmental Research Lab, Ann Arbor MI</i>
9:15 - 9:30 AM	<i>Opening Remarks -</i> <i>Louis Uccellini, NOAA Assistant Administrator for Weather Services, Silver Spring MD</i>
9:30 - 10:00 AM	<i>Workshop Charge and Overview</i> <i>Michel Jean, Environment and Climate Change Canada</i> <i>Jason Tuell, NOAA National Weather Service</i>
10:00 - 10:15 AM	<i>BREAK</i>
<i>Session 1: Marine Modeling (Wind, Waves, Circulation, Ice, Observational Inputs)</i> <i>Co-Chairs: Dick Wagenmaker, Serge Desjardins</i>	
10:15 - 10:40 AM	<i>Resolution Dependency of NWP Wind Depictions: Implications for Marine Forecasts</i> <i>Dr. Greg Mann, NOAA/NWS WFO Detroit MI</i>
10:40 - 11:05 AM	<i>Wave Forecasting in the North American Great Lakes: Recent Developments at the US National Weather Service (REMOTE Presentation)</i> <i>Dr. Jose- Henrique Alves, NOAA/NCEP Environmental Modeling Center, College Park MD; Dr. Greg Mann, NOAA/NWS WFO Detroit MI; and Dr. Eric Anderson, NOAA Great Lakes Environmental Research Lab, Ann Arbor MI</i>
11:05 - 11:30 AM	<i>Development of a Regional Wave Forecasting System for the Great Lakes - (REMOTE Presentation)</i> <i>Benoit Pouliot, Natacha Bernier, M. Lépine, S. Peel, P. Pellerin, EC/Environmental Numerical Weather Prediction Research, Meteorological Research Division, Dorval QC, and Jose-Henrique Alves, NOAA/NCEP Environmental Modeling Center, College Park MD</i>

<p>11:30 - 11:55 AM</p>	<p><i>The Canadian Great Lakes Deterministic Coupled Water Cycle Prediction System</i></p> <p>Sarah Dyck, EC/National Prediction Development Division, Canadian Centre for Weather and Environmental Prediction, Dartmouth NS; and Serge Desjardins, Environment Canada National Lab for Marine and Coastal Meteorology, Dartmouth NS</p>
<p>11:55 - 1:00 PM</p>	<p>Lunch/Michigan-Huron Room</p>
<p>1:00 - 1:25 PM</p>	<p><i>Ensemble-based Wave Guidance at the US National Weather Service: Implications to the Proposed US-Canada North American Wave Ensemble System (NAWES) (REMOTE Presentation)</i></p> <p>Dr. Jose-Henrique Alves, NOAA/NCEP Environmental Modeling Center, College Park MD</p>
<p>1:25 - 1:50 PM</p>	<p><i>Impact of Ocean and Sea Ice Coupling on Global Medium Range Weather Forecasts - (REMOTE Presentation)</i></p> <p>Gregory C. Smith, Francois. Roy, Jean-Marc Belanger, Daniel Deacu, Harold Ritchie, and Pierre Pellerin, EC/Environmental Numerical Weather Prediction Research, Meteorological Research Division, Dorval QC</p>
<p>1:50 - 2:15 PM</p>	<p><i>Modeling Great Lakes ice circulation using a modified version of FVCOM</i></p> <p>Dr. Jia Wang, NOAA Great Lakes Environmental Research Lab, Ann Arbor MI; Ayumi Fujisaki and Haoguo Hu, Cooperative Institute for Limnological and Ecological Research, Ann Arbor MI</p>
<p>2:15 - 2:35 PM</p>	<p><i>BREAK</i></p>
<p>2:35 - 3:00 PM</p>	<p><i>Meteotsunami Occurrences in the Great Lakes and Analysis of a Recent Case in Lake Erie</i></p> <p>Dr. Eric Anderson, NOAA Great Lakes Environmental Research Lab, Ann Arbor MI; Adam Bechle and Chin WU, University of Wisconsin, Madison WI; Greg Mann, NOAA/NWS WFO Detroit MI; David Kristovich, University of Illinois, Champaign, IL, David Schwab, University of Michigan, Ann Arbor MI; and Kirk Lombardy, NOAA/NWS WFO Cleveland OH</p>
<p>3:00 - 3:25 PM</p>	<p><i>Meteotsunamis: Ideas for an Operational Forecasting Capability</i></p> <p>Michael Angove, NOAA/NWS Tsunami Program Manager, Silver Spring MD; and Doug Mercer, Atlantic Storm Prediction Centre, Dartmouth NS</p>
<p>3:25 - 3:50</p>	<p><i>Next-Generation Forecasts of Hydrodynamics and Harmful Algal Blooms in Lake Erie</i></p>

	Dr. Eric Anderson, NOAA Great Lakes Environmental Research Lab, Ann Arbor MI
3:50 - 4:30 PM	Session 1/ Discussion Period

Wednesday, May 4 (Day 2)	
8:00 - 8:30 AM	Registration and Coffee
8:30 - 8:40 AM	Welcome and Announcements
Session 2: Arctic: Fundamental Overview and Challenges Co-Chairs: Tom Ainsworth, Lisa Torneby	
8:40 - 9:00 AM	<i>Fundamental Overview and Challenges of the Arctic Marine Program in Canada</i> Lisa Torneby, EC/Prairie and Arctic Storm Prediction Centre, Edmonton AB
9:00 - 9:20 AM	<i>Report on Current and Future Plans with International Organizations Focused on Sea Ice Interests in the Arctic</i> Darlene Langlois, EC/Canadian Ice Service, Ottawa ON; Becki Heim and Mary-Beth Schreck, NOAA/NWS Alaska Sea Ice Program, Anchorage AK; and Christian Blachford, US National Ice Center, Washington DC
9:20 - 9:50 AM	<i>The Canadian Ice Service and Support to Mariners</i> Darlene Langlois and Scott Weese, EC/Canadian Ice Service, Ottawa ON
9:50 - 10:10 AM	<i>Changes in sea ice along the Arctic Northeast Passage since 1979: Results from remote sensing data</i> Dr. Jia Wang, NOAA Great Lakes Environmental Research Lab, Ann Arbor MI
10:00 - 10:20 AM	BREAK
10:20 - 10:40 AM	<i>Environment Canada's Contribution to the Year of Polar Prediction (YOPP) - (REMOTE Presentation)</i> Gregory C. Smith, EC/Environmental Numerical Weather Prediction Research, Meteorological Research Division, Dorval QC

10:40 - 11:00 AM	<i>US Coast Guard Ice Condition Index (ICECON) for the Arctic and Great Lakes</i> <i>CDR Eric Peace, United States Coast Guard Headquarters, Washington DC</i>
11:00 - 11:20 AM	<i>Overview/Implementation of the IMO Polar Code</i> <i>Lt. CDR Jason Boyle, United States Coast Guard, 17th District, Juneau AK</i>
11:20 - 11:50 AM	Session 2/ Discussion Period
11:50 - 1:00 PM	Lunch/Michigan-Huron Room
Session 3: Arctic: Potential Requirements and Future Services Co-Chairs: Tom Ainsworth, Lisa Torneby	
1:00 - 1:20 PM	<i>A New Integrated Storminess Indicator for Marine Hazard Forecasting in the Circum-Arctic Region</i> <i>Norman Shippee, University of Victoria Dept. of Geography, Victoria BC</i>
1:20 - 1:50 PM	<i>New Developments in Arctic Sea Ice Forecasting at the NOAA/NCEP/Environmental Modeling Center</i> <i>Bob Grumbine, NOAA/NWS Environmental Modeling Center, College Park MD</i>
1:50 - 2:10 PM	<i>Marine Exchange of Alaska and Arctic Waterways Committee (remote presentation)</i> <i>Captain Bill Benning, Marine Exchange of Alaska, Juneau AK</i>
2:10 - 2:30 PM	BREAK
2:30 - 2:50 PM	<i>The Canadian Arctic Prediction System - (REMOTE Presentation)</i> <i>Frederic Dupont, J-F Lemieux, G. Smith, C. Beaudoin, F. Roy, J. Lei; EC/Environmental Numerical Weather Prediction Research, Meteorological Research Division, Dorval QC</i>
2:50 - 3:10 PM	<i>Remote Sensing Support for the NWS Alaska Sea Ice Program - (REMOTE presentation)</i> <i>Eric Stevens, Carl Dierking, Tom Heinrichs, and Jessica Cherry; Geographic Information Network of Alaska, University of Alaska, Fairbanks AK; and Mary-Beth Schreck, NOAA/NWS Alaska Sea Ice Program, Anchorage AK</i>
3:10 - 4:00 PM	Session 3/ Discussion Period



Thursday, May 5 (Day 3)	
8:00 - 8:15 AM	Coffee and Registration
8:15 - 8:20 AM	Welcome and Announcements
Session 4: Products, Services, and Applications Co-Chairs: Dan Huang, Wayne Weeks	
8:20 - 8:40 AM	<i>A Brief Outline of Satellite Altimetry and the Process of Making it Available to Operational Meteorologists for Sea State Forecasts</i> Serge Desjardins, EC/National Lab for Marine and Coastal Meteorology, Dartmouth NS
8:40 - 9:00 AM	<i>New Generation Satellite Readiness: Marine and Arctic Applications</i> Jordan Gerth, Cooperative Institute for Meteorological Satellite Studies (CIMSS), University of Wisconsin GOES-R/JPSS Proving Ground
9:00 - 9:20 am	<i>Overtopping of Seawalls</i> Anthony Mignone, NOAA/NWS WFO Caribou ME
9:20 - 940 AM	<i>Preliminary Results from a Study on the Environments of Thunderstorms Over the Northeastern Pacific Ocean and Gulf of Alaska</i> Jonathan Garner, NOAA/NWS WFO Juneau AK
9:40 - 10:00 AM	BREAK
10:00 - 10:20 AM	<i>Update and Future of the EC/NOAA Freezing Spray Inter-Comparison</i> Serge Desjardins, EC/National Lab for Marine and Coastal Meteorology, Dartmouth NS; and Joseph Phillips, NOAA/NWS Ocean Prediction Center, College Park MD
10:20 - 10:40 AM	<i>Can We Use Social Media and Smart Phones to Verify and Monitor Marine Forecasts ?</i> Jay Albrecht, NOAA/NWS WFO Seattle WA
10:40 - 11:00 AM	<i>The NWS Outreach and Education Event System (NOEES) - (REMOTE presentation)</i> Brent MacAloney, NOAA/NWS Verification Branch, Silver Spring MD

11:00 - 11:20 AM	<p><i>NWS/EC Collaborative Tool Evaluation for Marine Services</i></p> <p>Woody Roberts, NOAA Global Systems Division, Boulder CO; and Pat McCarthy, EC/Prairie and Arctic Storm Prediction Centre, Winnipeg MB</p>
11:20 - 12:30 PM	<p>Lunch/Michigan-Huron Room</p>
12:30 - 12:50 PM	<p><i>NWS Perspectives on Harmful Algal Bloom Decision Support for Lake Erie in summer of 2015</i></p> <p>Gary Garnet, NOAA/NWS Cleveland OH; and Dick Wagenmaker, NOAA/NWS Detroit MI</p>
12:50 - 1:10 PM	<p><i>Overview of Ocean Prediction Center Products and Services: Current and Future</i></p> <p>Darin Figurskey, NOAA/NWS Ocean Prediction Center, College Park MD</p>
1:10 - 1:30 PM	<p><i>Overview of Great Lakes Marine Products and Services: Current and Future</i></p> <p>Dick Wagenmaker, NOAA/NWS WFO Detroit MI; and Dave Rodgers, EC/Ontario Storm Prediction Centre, Toronto ON</p>
1:30 - 1:50 PM	<p><i>Status of Products and Services SubTeam</i></p> <p>Dan Huang EC/METAREAs Project, Gander NF; and Wayne Weeks NOAA/NWS AFS Marine Branch, Silver Spring MD</p>
1:50 - 2:30 PM	<p><i>Session 4/ Discussion Period</i></p>