



Joint Workshop of the ICES-FAO Working Group on Fishing Technology and Fish Behaviour [WGFTFB] and the Working Group on Fisheries Acoustics Science and Technology [WGFAST] (JFATB)

Chairs: Stéphane Gauthier (Canada) and Mike Pol (USA)

Videoconference via Institute of Marine Research, Bergen, Norway, 21 April 2021

Microsoft Teams connection details:

AGENDA – all times are CEST (GMT+2)

Wednesday, 21 April		Session
15:00	<b>Welcome and Opening Remarks</b>	JFATB
15:10	<b>Opening keynote: Echo sounder developments in my scientific life. From EK38 to EK80 with some significant steps.</b> <i>Egil Ona</i>	
15:40	Fish passage rates prior to the cod end – a Smartrawl feasibility study. <i>Paul G. Fernandes, Vivek Chacko, John Polanski, Kwadwo Appiah-Baah, and Alex Orban</i>	Tools of the Trade: Methods and technologies for sampling and observing fish and fishing gear
15:52	NepCon: image acquisition system for automatic Nephrops detection towards sustainable demersal fisheries. <i>Maria Sokolova, Fletcher Thompson, Patrizio Mariani, and Ludvig Ahm Krag</i>	
16:04	Improving a Video Trawl Survey for Atlantic Cod ( <i>Gadus morhua</i> ) in the Gulf of Maine. <i>Nicholas M. Calabrese and Kevin D.E. Stokesbury</i>	
16:16	Midwater trawl selectivity corrections for acoustic surveys in Alaska. <i>Kresimir Williams and Alex De Robertis</i>	
16:28	Helix Twine Off-Bottom Trawls: A New Twist to Target Eastern Georges Bank Haddock. <i>David M. Chosid and Mike Pol</i>	
16:40	Modifying a survey trawl to better retain small Arctic fishes. <i>Alex De Robertis, Robert Levine, Kresimir Williams and Chris Wilson</i>	
16:52	<b>Brief discussion and continued transition to next session</b>	
16:55	5 minute break, time to make a sandwich!	

17:00	<b>Keynote: The pelagic trawl, the challenges of catching small with a big gear</b> <i>Haraldur A. Einarsson</i>	JFATB
17:30	Big trawls for little organisms: Development of non-graded trawls for macroplankton and micronekton organisms. <i>Melanie Underwood, Shale Rosen, Espen Strand, Thor Klevier and Webjørn Melle</i>	Methods and challenges associated with sampling the midwater and mesopelagic zones
17:42	Challenges associated with linking the acoustic-estimated spatial extent and abundance of mesopelagic fishes to dynamical oceanographic processes within the California Current Ecosystem. <i>Ilysa S. Iglesias, Jerome Fiechter and John Field</i>	
17:54	Combined trawl-mounted optic and acoustic methods to study the mesopelagic ecosystem. <i>Shale Rosen, Eva García-Seoane, Melanie Underwood, Thor Klevjer, Gavin Macaulay, Mette Dalgaard Agersted, Nils Olav Handegard, Ketil Malde and Vaneeda Allken</i>	
18:06	Intelligent autonomous acoustic and optic characterization of mesopelagics in the Gulf of Mexico. <i>J. Christopher Taylor, John K. Horne, Kevin Boswell, Chad Lembkel, Alex Silverman, Ed Hughes, Kyler Abernathy and Eric Berkenpas</i>	
18:18	<b>General Discussion</b>	
18:25	<b>Keynote: Biology of Fish Vision</b> <i>Anne Christine Utne-Palm</i>	JFATB
18:55	<b>Closing Remarks</b>	
19:00	<b>Meeting Ends</b>	