

# NEWFOUNDLAND AQUACULTURE INDUSTRY ASSOCIATION



28<sup>th</sup> Annual Conference & Trade Show

## AQUACULTURE: THE FUTURE OF RESPONSIBLE FOOD PRODUCTION

Delta Hotel St. John's, Newfoundland and Labrador, Canada

September 5 – 7, 2023

Day 1: Tuesday, September 05, 2023	
Trade Show Set Up – Delta: Noon – 5:00 p.m.	
19:00 to 21:00	Cold Harvest Opening Reception

Day 2: Wednesday, September 06, 2023			
07:30 to 8:30	Coffee Break (Trade Show Area)		
	<b>Opening Session (Salon B / C / D)</b>		
09:00 to 09:45	Greetings - Session Chairperson: Jamie Baker, Executive Director – Newfoundland Aquaculture Industry Association <ul style="list-style-type: none"> <li>Sheldon George, President - Newfoundland Aquaculture Industry Association</li> <li>TBA - Province of Newfoundland and Labrador</li> <li>TBA - City of St. John's</li> </ul>		
09:45 to 10:30	<b>Keynote Address: Dr. Halley Froehlich, Assistant Professor at University of California, Santa Barbara – Sustainability of Aquaculture Under a Changing Climate. (SALON B / C / D)</b>		
10:30 to 11:00	NUTRITION BREAK (Trade Show Area)		
	<table border="1"> <tr> <td><b>Community Forum: Supporting Aquaculture – Steve Crew, Mayor, Town of Hermitage Sandyville and Roy Drake, Deputy Mayor, Town of Harbour Breton (Salon B)</b></td> <td><b>Materials Management and Recovery – Jonathan Kawaja Environmental Scientist, NL Department of Fisheries, Forestry and Agriculture (Salon C / D)</b></td> </tr> </table>	<b>Community Forum: Supporting Aquaculture – Steve Crew, Mayor, Town of Hermitage Sandyville and Roy Drake, Deputy Mayor, Town of Harbour Breton (Salon B)</b>	<b>Materials Management and Recovery – Jonathan Kawaja Environmental Scientist, NL Department of Fisheries, Forestry and Agriculture (Salon C / D)</b>
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11:00 to 11:20	Ashley Burke (MMSB) - Policy Options for Fishing and Aquaculture Gear		
11:20 to 11:40	Chris Paterson / Jason Ward (Harris Centre) - Harris Centre Waste to Value Forum; Aquaculture		
11:40 to 12:00	Speakers to be announced Sheldon George (Cold Ocean Salmon / Cooke Aqua) - Waste Reduction and Material Recovery Action		
12:00 to 12:15	Kelly Hawboldt (Memorial University) - Mussel Discard Research; Title TBA		
12:15 to 12:30	Thomas Green (CMCI / ASL) - HDPE Recovery in Atlantic Canada		
12:30 to 14:00	Lunch on Your Own -- <b>NAIA AGM for NAIA Members (Room TBA)</b>		
	<table border="1"> <tr> <td><b>Emerging Aquaculture Leaders – Amy Negrijn, Compliance and Certification Coordinator, Mowi Canada East (Salon B)</b></td> <td><b>Marine Safety – Sheldon George, Newfoundland Regional Manager, Cold Ocean Salmon (Salon C / D)</b></td> </tr> </table>	<b>Emerging Aquaculture Leaders – Amy Negrijn, Compliance and Certification Coordinator, Mowi Canada East (Salon B)</b>	<b>Marine Safety – Sheldon George, Newfoundland Regional Manager, Cold Ocean Salmon (Salon C / D)</b>
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14:00 to 14:20	Magdalena Maeland (Grieg Seafood NL) David Haire (Canadian Manufacturers & Exporters) - Made Safe NL		
14:20 to 14:40	Rebecca White (Badger Bay Mussel Farms / Merasheen Oyster Farms) Wayne Giles (Service NL) - Occupational Health and Safety in Aquaculture vs Fish Harvesting		
14:40 to 15:00	Daniel John (Cooke Aquaculture) Tom Elliott (Transport Canada) - Regulatory Requirements		

15:00 to 15:20	Speaker / title TBA	Speaker / title TBA
15:20 to 15:50	NUTRITION BREAK (Trade Show Area)	
	<b>Government Services and Regulations – Ellen Careen</b> , Senior Regional Aquaculture Management Officer, Fisheries and Oceans Canada ( <b>Salon B</b> )	<b>Climate Change Adaptation – Cyr Couturier</b> , Marine Biologist & Aquaculture Scientist, Marine Institute of Memorial University and <b>Jonathan Kawaja</b> Environmental Scientist, NL Department of Fisheries, Forestry and Agriculture ( <b>Salon C / D</b> )
15:50 to 16:10	Elaine Parmiter (Fisheries and Oceans Canada) – The Role of Conservation and Protection in Aquaculture	Fred LeNormand (Environment and Climate Change Canada) - Status of ECCC Climate Monitoring and Capacities in NL
16:10 to 16:30	Vanessa Oldford (Fisheries and Oceans Canada) - Aquaculture Activities Regulations	Annette Tobin / Shibly Rahman (NL Dept. of Environment) - Provincial Climate Monitoring Network and Analysis of Temperature and Precipitation.
16:30 to 16:50	Mardi Gullage (Fisheries and Oceans Canada) - The Canadian Marine Planning Atlas	Dr. Kurt Gamperl (Memorial University) - Climate Change and Salmon Aquaculture: Impacts and Possible Mitigation Strategies
16:50 to 17:10	J. Alex Templeton (McInnes Cooper) – A Comparative Critique of the Regulatory Treatment of the Aquaculture Industry	Dr. Joel Finnis (Memorial University) - Identifying Minimizing Impacts of Weather on Aquaculture.
17:10 to 17:30	Speaker / title TBA	Dr. Halley Froehlich (Univ. of California) - Presentation title TBA
19:00 to 21:30	<b>Cold Harvest Networking Event – Kitchen Party 2023 – O’ Reilly’s Famous Irish Newfoundland Pub</b> 13 George Street, St. John’s, Newfoundland	

Day 3: September 7, 2023		
07:30 to 8:30	Coffee Break (Trade Show Area)	
	<b>Innovation in Aqua Feeds and Feeding – Lesley Clark</b> , Technical Sales Representative, Skretting Canada East ( <b>Salon B</b> )	<b>Alternative Aquaculture Species – Ellen Careen</b> , Senior Regional Aquaculture Management Officer, Fisheries and Oceans Canada ( <b>Salon C / D</b> )
08:40 to 9:00	Rodrigo Gonzalez (Skretting North America) - Sustainability and Feeds	Rachel Artuso (Marine Institute) – Development of Marine Plant Aquaculture
09:00 to 9:20	Jorge Torres Lagreze (Veramaris) - Algae Oil	Jennifer Monk (Memorial University) – Lumpfish; Title TBA
09:20 to 9:40	Jennie Korus (Innovasea) - The Flow of Nutrition: Waterborne Feeding in Commercial Aquaculture.	Danny Boyce (Memorial University) / Knut Trellevik (Amar) - Spotted Wolffish Culture
09:40 to 10:00	Speaker TBA (BioMar) - Functional Feeds	Speaker / title TBA
10:00 to 10:20	Dr. Greg Wanger (Oberland Agriscience) - Presentation Title TBA	Speaker / title TBA
10:20 to 10:50	NUTRITION BREAK (Trade Show Area)	
	<b>Integrated Pest Management of Sea Lice – Darrell Green</b> , Regional Development Coordinator, NAIA ( <b>Salon B</b> )	<b>Artificial Intelligence in Aquaculture – Cyr Couturier</b> , Marine Biologist & Aquaculture Scientist, Chair MSc Aquaculture Programs, Marine Institute of Memorial University ( <b>Salon C / D</b> )
10:50 to 11:10	Jason Collins (Benchmark Animal Health) - Benchmark’s Holistic Approach to Sea Lice Mitigation	Bryton Shang (CEO, AquaByte AI) - Advances in fish health and decision support systems in the ocean
11:10 to 11:30	(TO BE CONFIRMED) Øyvind Nymark (SMIR Group) - title TBA	Matt Zimola, (CEO, ReelData AI) - Advances in land-based smart systems for fish health and growth
11:30 to 11:50	Tore Laastad (Special Advisor Barge & Thermolicer ScaleAQ) - Thermal Delicing; Innovation and Best Practice.	Jason DeGlint (CEO, Blue Lion Labs) - Automating harmful algal detection for fish welfare

11:50 to 12:10	Speaker TBD (AKVA)	Jennie Korus (Science Lead, Innovasea) - Innovations in open ocean smart farming
12:10 to 12:30	Dr. Larry Hammell (Alt. Veterinary College, University of PEI) – The FishiTrends Decision Support System (RECORDED VIDEO PRESENTATION)	(TO BE CONFIRMED) (Wittaya-Aqua) - Innovations in feed management and feeding in the aquaculture
12:30 to 13:30	Lunch on Your Own	
	<b>Advancements in Shellfish Aquaculture – Dr. Laura Halfyard</b> , General Manager, Connaigre Fish Farms (Salon B)	<b>Innovation in Finfish Aquaculture – Dr. Jillian Westcott</b> , Academic Director / Graduate Officer, Marine Institute of Memorial University (Salon C / D)
13:30 to 13:50	Speaker / title TBA	Ben Perry (Benchmark Genetics) – Sterile Salmon
13:50 to 14:10	Kelly Hawboldt (Memorial University) - Mussel Discard Research; Title TBA	Mikey Clarkson (Biomar) – Raising Sterile Atlantic Salmon: A Recipe for Success
14:10 to 14:30	Cyr Couturier (MI of MUN) - Adapting to Climate Change in Shellfish and Seaweed Aquaculture.	Candice Way (Grieg) – Performance of Sterile Salmon
14:30 to 14:50	Speaker / Title TBA	Kurt Gamperl (Memorial University) – Winter Temperatures are a Challenge for Sea-Caged Atlantic Salmon ( <i>Salmo salar</i> ).
14:50 to 15:20	NUTRITION BREAK	
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15:20 to 15:40	Cynthia McKenzie (Fisheries and Oceans Canada) NL Aquatic Invasive Species Update	Grant Cavanagh (Scoot Science) – How can Insurance Help Aquaculture Manage Challenging Conditions in Eastern Canada?
15:40 to 16:00	Jonathan Kawaja (NL Dept. Fisheries, Forestry and Agriculture) - NL's Environment Biological Monitoring Program (Shellfish) Review	Javier Santander (Memorial University) – Fish Vaccinology Research Update
16:00 to 16:20	Speaker / title TBA	Prem Thodi (C-Core) – Jellyfish Deflection From Marine Fish Pens Using Bubbler Technology
16:20 to 16:40	Speaker / title TBA	Speaker / title TBA
16:40 to 17:00	Speaker / title TBA	Speaker / title TBA
18:30 to 21:30	<b>Cold Harvest Gala Reception and Dinner</b> (Delta Salon B / C / D)	

#### Session Chairpersons:

Steve Crewe – Mayor, Town of Hermitage – Sandyville | Roy Drake - Deputy Mayor, Town of Harbour Breton | Jonathan Kawaja - Environmental Scientist, NL Department of Fisheries, Forestry and Agriculture | Sheldon George - Newfoundland Regional Manager, Cold Ocean Salmon | Amy Negrijn – Compliance and Certification Coordinator, Mowi Canada East | Ellen Careen - Senior Regional Aquaculture Management Officer, Fisheries and Oceans Canada | Cyr Couturier - Marine Biologist & Aquaculture Scientist, Chair MSc Aquaculture Program, Marine Institute of Memorial University | Lesley Clark - Technical Sales Representative, Skretting Canada East | Darrell Green – Research and Development Coordinator, Newfoundland Aquaculture Industry Association | Dr. Laura Halfyard – General Manager, Connaigre Fish Farms | Dr. Jillian Westcott - Academic Director / Graduate Officer, Marine Institute of Memorial University

Please note that the presentation titles, speakers and times are subject to change. Updates available soon.

Learn more at [www.coldharvest.ca](http://www.coldharvest.ca)

Or call: 709-538-3454 or 709-754-2854