

**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
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**Day 2: Wednesday, September 06, 2023**

07:30 to 8:30	Coffee Break (Trade Show Area)
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**Opening Session (Salon B / C / D)**

09:00 to 09:45	<p>Welcome and Greetings</p> <p>Session Chairperson: Jamie Baker, Executive Director – Newfoundland Aquaculture Industry Association.</p> <ul style="list-style-type: none"> <li>Sheldon George, President - Newfoundland Aquaculture Industry Association.</li> <li>Honourable Elvis Loveless, Minister of Fisheries, Forestry and Agriculture, Newfoundland and Labrador.</li> <li>His Worship Danny Breen, Mayor of the City of St. John's.</li> <li>Jamie Baker, Executive Director – Newfoundland Aquaculture Industry Association.</li> </ul>
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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. (WILL NOW BE A RECORDED VIDEO PRESENTATION).</b>
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10:30 to 11:00	NUTRITION BREAK (Trade Show Area)
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**Materials Management and Recovery – Jonathan Kawaja Environmental Scientist, NL Department of Fisheries, Forestry and Agriculture (Salon C / D)**

11:00 to 11:20	Ashley Burke (MMSB) - Canada-Wide Action Plan on Zero Plastic Waste - Policy Options for Fishing and Aquaculture Gear.
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11:20 to 11:40	Chris Paterson (Harris Centre) - Harris Centre Waste to Value Forum; Aquaculture.
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11:40 to 12:00	Sheldon George (Cold Ocean Salmon / Cooke Aqua) - Waste Reduction and Material Recovery Actions.
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12:00 to 12:20	Dr. Kelly Hawboldt (Memorial University) - Circular Approach to Valorization of Fish Processing By-product.
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12:20 to 12:40	
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**Lunch on Your Own -- NAIA AGM for NAIA Members (Room TBA)**

	<b>Emerging Aquaculture Leaders (Panel Discussion) – Amy Negrijn, Licensing and Compliance Specialist, 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	<p>Panel Speakers:</p> <ul style="list-style-type: none"> <li>Magdalena Maeland (Grieg Seafood NL)</li> </ul>	David Haire / Mark Bailey (Made Safe NL) - Made Safe Solutions for Manufacturing and Processing.
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14:20 to 14:40	<ul style="list-style-type: none"> <li>Rebecca White (Badger Bay Mussel Farms / Merasheen Oyster Farms)</li> </ul>	Wayne Giles (Service NL) - Occupational Health and Safety in Aquaculture vs Fish Harvesting.
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14:40 to 15:00	<ul style="list-style-type: none"> <li>Daniel John (Cooke Aquaculture)</li> <li>Travis Armstrong (Skretting North America)</li> </ul>	Tom Elliott (Transport Canada) - Regulatory Requirements.
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15:00 to 15:20	<ul style="list-style-type: none"> <li>Nick Rose (Ocean Trout Canada)</li> </ul>	Brenda Greenslade (Newfoundland and Labrador Fish Harvesting Safety Association) - Helping to Bring Fish Harvesters Safely Home.
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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	Daryl Walsh (Fisheries and Oceans Canada) – The Role of Conservation and Protection in Aquaculture.	Dr. Halley Froehlich (Univ. of California) - Climate Change Adaptation and Mitigation Potential of Marine Aquaculture.
16:10	to	16:30	Vanessa Oldford (Fisheries and Oceans Canada) - Aquaculture Activities Regulations.	Dr. Kurt Gamperl (Memorial University) - Climate Change and Salmon Aquaculture: Impacts and Possible Mitigation Strategies.
16:30	to	16:50	Mardi Gullage (Fisheries and Oceans Canada) - The Canadian Marine Planning Atlas.	Shibly Rahman (NL Dept. of Environment) - Provincial Climate Monitoring Network and Analysis of Temperature and Precipitation.
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.
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		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) – An Update on the Progress of the Cleanerfish Industry in Newfoundland.
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	Mike McLeish (BioMar) - Blue Impact: BioMar's Sustainability Journey.	Sylvia Goodyear (Dept. of Fisheries , Forestry and Agriculture) Overview of the Department of Fisheries , Forestry and Agriculture Multispecies Strategy and Next Steps.
10:00	to	10:20	Dr. Greg Wanger (Oberland Agriscience) - BSF Science for Aquafeed.	
10:20	to	10:50	NUTRITION BREAK (Trade Show Area)	
			<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	Bryton Shang (CEO, AquaByte AI) - Advances in Fish Health and Decision Support Systems in the Ocean.(WILL NOW BE A RECORDED VIDEO PRESENTATION).	
11:10	to	11:30	Matt Zimola, (CEO, ReelData AI) - Advances in Land-based Smart Systems for Fish Health and Growth.	
11:30	to	11:50	Jason DeGlint (CEO, Blue Lion Labs) - Automating Harmful Algal Detection for Fish Welfare.	
11:50	to	12:10	Tyler Sclodnick (Innovasea) Assessing and Forecasting Farm Conditions to Reduce Fish Stress & Optimize Feeding	
12:10	to	13:30	Lunch on Your Own	

	<b>Shellfish Aquaculture and the Coastal Environment – Dr. Laura Halfyard</b> , General Manager, Connaigre Fish Farms Inc ( <b>Salon B</b> )	<b>Innovation in Finfish Aquaculture – Dr. Jillian Westcott</b> , Academic Director / Graduate Officer, Marine Institute of Memorial University ( <b>Salon C / D</b> )
13:30 to 13:50	Cyr Couturier (Marine Institute of Memorial University) - Adapting to Climate Change in Shellfish and Seaweed Aquaculture.	Ben Perry (Benchmark Genetics) – Sterile Salmon.
13:50 to 14:10	Jonathan Kawaja (NL Dept. Fisheries, Forestry and Agriculture) - NL's Environment Biological Monitoring Program Update on Activities and Observations.	Dr. Mikey Clarkson (Biomar) – Raising Sterile Atlantic Salmon: A Recipe for Success.
14:10 to 14:30	Dr. Cynthia McKenzie (Fisheries and Oceans Canada) - NL Aquatic Invasive Species Update.	Candice Way (Grieg Seafood NL) – Placentia Bay Sterile All-female Atlantic Salmon Project Update.
14:30 to 14:50	Chantelle Clermont (M.Sc; Memorial University NL) – CAPSTONE Project – Mapping the Distribution and Abundance of Kelp, Rhodolith and Co-occurring Benthic Assemblages in Coastal NL.	Dr. John Taylor (AquaMaof Aquaculture Technologies) - Five Years of Successful Egg to Table Sterile Atlantic Salmon Production in Low Salinity Land-based RAS: Positive Attributes & Risk Mitigation.
14:50 to 15:20	NUTRITION BREAK	
	<b>Shellfish Aquaculture and the Coastal Environment – Dr. Laura Halfyard</b> , General Manager, Connaigre Fish Farms Inc ( <b>Salon B</b> )	<b>Innovation in Finfish Aquaculture – Dr. Jillian Westcott</b> , Academic Director / Graduate Officer, Marine Institute of Memorial University ( <b>Salon C / D</b> )
15:20 to 15:40	Dr. Kelly Hawboldt (Memorial University) – Process Design for Valorization of Waste Mussel Shells; Review of Process Parameters, Pre-Treatments and Products.	Dr. Grant Cavanagh (Scoot Science) – How can Insurance Help Aquaculture Manage Challenging Conditions in Eastern Canada?
15:40 to 16:00	Andres Gonzalez (Marine Biologist; former Hatchery Assist. Manager, Cultimar Chile) – Technologies in Oyster Hatcheries.	Dr. Javier Santander (Memorial University) – Bacterial Pathogens and Immunity of Cleaner Fish.
16:00 to 16:20	Kyle Morrison (Deepchill Solutions) – Deepchilling: Maximizing the Yield and Freshness of Shellfish.	Dr. Prem Thodi (C-Core) – Jellyfish Deflection from Marine Fish Pens Using Bubbler Technology.
16:20 to 16:40		Dr. Kurt Gamperl (Memorial University) – Winter Temperatures are a Challenge for Sea-Caged Atlantic Salmon ( <i>Salmo salar</i> ).
16:40 to 17:00		Gonzalo Boehmwald (Oxzo Technologies Inc.) - Oxygen Therapy – Impact on Treatments and Antibiotics Efficiency.
17:20 to 17:40		Ben Perry (Benchmark Animal Health) - Benchmark's Holistic Approach to Sea Lice Mitigation.
17:40 to 18:00		Tore Laastad (Special Advisor Barge & Thermolicer ScaleAQ) - Thermal Delicing; Innovation and Best Practice. (WILL NOW BE A RECORDED VIDEO PRESENTATION).
18:30 to 21:30	<b>Cold Harvest Gala Reception and Dinner (Delta Salon B / C / D)</b>	

#### Session Chairpersons:

Jamie Baker – Executive Director, Newfoundland Aquaculture Industry Association | Jonathan Kawaja - Environmental Scientist, NL Department of Fisheries, Forestry and Agriculture | Sheldon George - Newfoundland Regional Manager, Cold Ocean Salmon | Amy Negriijn – Licensing and Compliance Specialist, 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 - Key Account Manager, 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.**

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

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