



Newfoundland Aquaculture Industry Association

Cold Harvest 2014

21st Annual Conference and Trade Show

Hotel Gander, Gander, NL, Canada ♦ Feb. 11th - 13th

Locally Grown, Globally Known

CONFERENCE PROGRAM INSERT



Fisheries and Oceans
Canada

Pêches et Océans
Canada

A Message from the Honourable Gail Shea Minister of Fisheries and Oceans

Welcome to Gander for Cold Harvest 2014

As the theme of this year's conference so beautifully expresses, Newfoundland and Labrador's aquaculture industry is locally grown and globally known. The demand for your delicious steelhead trout, Atlantic salmon and blue mussels is on the rise.

Aquaculture is the fastest growing food production sector worldwide, and the global demand for seafood is expected to increase by 7% every year. Production levels reached record highs in 2012 at \$113 million. Farmed salmonids, particularly Atlantic salmon, are now the third most valuable seafood produced in Newfoundland. These are impressive figures indeed.

Our Government is proud to support your growing industry that provides much needed economic opportunities and jobs in rural and Aboriginal communities. That is why we are providing \$54 million to ensure that the regulatory system you have to operate within is efficient and effective, protects our environment, while not being unnecessarily cumbersome.

We are also supporting you by opening new markets for your world-class products. Our trade agreement with the European Union (EU) is a perfect example. Almost 96 per cent of EU tariff lines for fish and seafood products will be duty-free when the agreement comes into force. This will make your products more competitive and create the conditions for increased sales.

We have a long and productive history working with the Newfoundland Aquaculture Industry Association – a relationship we want to continue to build.

Best wishes for a productive conference and trade show.

The Honourable Gail Shea, P.C., M.P.
Minister of Fisheries and Oceans



The word 'Canada' in a serif font with a small Canadian flag above the 'a'.



COLD HARVEST 2014 CONFERENCE PROGRAM

DAY 1: TUESDAY, FEBRUARY 11th

12:00 Noon - 5:00 p.m.	Trade Show Set Up (Salon AB)
7:00 p.m. - 9:00 p.m.	Welcome Reception, Cooking Demonstrations by Chef Watson (Salon AB) and Annual Dr. Joe Brown Silent Auction (Trade Show Area)
9:00 p.m. - 12:00 a.m.	Hospitality Suite (Salon C)

DAY 2: WEDNESDAY, FEBRUARY 12th

9:00 a.m. Coffee Break - Trade Show Area (Salon AB)

Session 1 - Opening Session (Salon D)

Session Chair: **Cyr Couturier**, Research Scientist, Marine Institute

9:30 a.m. - 10:00 a.m.	Greetings from: <ul style="list-style-type: none"> • NAIA - Terry Mills, President • The Province of Newfoundland and Labrador - Tracey Perry, MHA, District of Fortune Bay - Cape La Hune • The Department of Fisheries and Aquaculture - Brian Meaney, Assistant Deputy Minister, DFA
10:00 a.m. - 10:30 a.m.	NL Industry Overview and Reflecting on the Past Year - Miranda Pryor , Executive Director, NAIA
10:30 a.m. - 11:00 a.m.	Towards a Competitive and Modern Fish Farming Industry in Canada - Ruth Salmon , Executive Director, CAIA
11:00 a.m. - 12:00 p.m.	Scottish Salmon Farming
12:00 p.m. - 2:00 p.m.	NAIA AGM - LUNCH PROVIDED, OPEN TO NAIA MEMBERS (DINING ROOM)

Session 2 - Innovation in Aquaculture 1 (Salon D)

Session Chair: **Darrell Green**, R&D Coordinator, Newfoundland Aquaculture Industry Association

2:00 p.m. - 2:30 p.m.	STINGRAY Optical Sea Lice Control	John A. Breivik , Stingray Marine Solutions AS
2:30 p.m. - 2:50 p.m.	Biological Control of Sea Lice - Cleaner Fish	Jennifer Monk , Dept. of Oceans Sciences, MUN
2:50 p.m. - 3:10 p.m.	Aquaculture Real-time Integrated Environmental System (ARIES) Project Update	Richard Kelly , MI School of Ocean Technology
3:10 p.m. - 3:30 p.m.	Data Acquisition and Tracking Assessment (DATA) Project Update	Mike Rose , RoSynergy Inc. and Jeff Brown , Focus FS
3:30 p.m. - 4:00 p.m.	COFFEE/NUTRITION/SEAFOOD CHOWDER BREAK AND STUDENT POSTER SESSION IN TRADE SHOW AREA (SALON AB)	

Session 3 - Opportunities and Innovations in Fish Byproduct Management and Utilization (Salon D)

Session Chair: **Jonathan Kawaja**, Environmental Scientist (Aquaculture), Department of Fisheries and Aquaculture

4:00 p.m. - 4:10 p.m.	Update of Aquaculture Fish Byproduct Management and Contingency Planning in NL	Jonathan Kawaja , DFA
4:10 p.m. - 4:30 p.m.	Evaluating the Effect of Salmon-based Silage as an Agricultural Soil Amendment on Crop Growth and Soil Nutrient Dynamics in Newfoundland and Labrador	Dr. Gordon Price , Nova Scotia Agricultural College, Dalhousie University
4:30 p.m. - 4:50 p.m.	Atlantic Biorefinery Cluster and Related Applied Research at MUN	Dr. Kelly Hawboldt , Engineering MUN
4:50 p.m. - 5:10 p.m.	Integrated Biorefinery Strategy for Production of Multitude of Valuable Products from Fish Processing Wastes	Dr. Deepika Dave , Marine Institute MUN
5:10 p.m. - 5:30 p.m.	Utilization of Salmon Through Fish Meal & Oil Production	Robert Barry , Barry Group of Companies
8:00 p.m. - 10:00 p.m.	Evening Social - Sponsored by Hoskin Scientific (Register at Registration)	
10:00 p.m. - 12:00 a.m.	Hospitality Suite (Salon C)	



DAY 3: THURSDAY, FEBRUARY 13th

8:30 a.m.	Coffee Break (Salon AB)	
Session 4 - Mayors Panel - Benefits to Our Communities (Salon D) Session Chair: Jamie Leroux , Mayor, St. Albans		
9:00 a.m. - 9:20 a.m.	Perspective from St. Albans, NL	Jamie Leroux , Mayor, St. Albans
9:20 a.m. - 9:40 a.m.	Perspective from Miawpukek First Nation	Tammy Drew , General Manager, MFN
9:40 a.m. - 10:00 a.m.	Perspective from Rencontre East	Tom Caines , Mayor, Rencontre East
10:00 a.m. - 10:20 a.m.	Perspective from Triton	Jason Roberts , Mayor, Triton
10:20 a.m. - 10:30 a.m.	Panel Discussion	All Mayors
10:30 a.m. - 11:00 a.m.	COFFEE/NUTRITION BREAK AND STUDENT POSTER SESSION IN TRADE SHOW AREA (SALON AB)	
Session 5 - Innovation in Aquaculture 2 (Salon D) Session Chair: Darrell Green , R&D Coordinator, Newfoundland Aquaculture Industry Association		
11:00 a.m. - 11:20 a.m.	Coast of Bays Coastal Planning Initiative: Community Support for Marine Debris and Aquatic Invasive Species Awareness	Nicole Hynes , DFA
11:20 a.m. - 11:40 a.m.	In Situ Pest Management with Bath Treatments in Open Ocean Conditions	Sheldon George , Cold Ocean Salmon
11:40 a.m. - 12:00 p.m.	Continuous Socking Technology on Mussel Farms in NL	Trenton Johanson , Sunrise Fish Farms Inc.
12:00 p.m. - 12:20 pm	Product Tracking and Inventory Control - World Office Solutions	Warren Strong , World Office, NL
12:30 p.m. - 2:00 p.m.	Complimentary luncheon featuring farmed fresh seafood (Salon D) Keynote Speaker: Dr. Bruce Holub, DHA/EPA Omega-3 Institute, Fish/Seafood & DHA/EPA Omega-3 Fatty Acids for a Healthy Human Life Cycle	
2:00 p.m. - 2:30 p.m.	COFFEE/NUTRITION BREAK AND STUDENT POSTER SESSION IN TRADE SHOW AREA (SALON AB)	
Concurrent Sessions	Session 6A - Finfish Technology Session Chair: Chris Hendry , Fisheries and Oceans Canada (Salon D)	Session 6B - Shellfish Sector Updates Session Chair: Dr. Laura Halfyard , Sunrise Fish Farms (Theater)
2:30 p.m. - 2:50 p.m.	Dr. Andry Ratsimandresy - Characterizing the Oceanographic Conditions in the South Coast of Newfoundland in Support of Aquaculture	Kiley Best - Investigating Mitigation of Juvenile European Green Crab (<i>Carcinus maenas</i>) from Seed Mussels to Prevent Transfer During Newfoundland Mussel Aquaculture Operations
2:50 p.m. - 3:10 p.m.	Stefanie Hixson - Use of Camelina Oil in Aquafeeds	Dr. Cynthia McKenzie - Mitigation Techniques on Vase Tunicate
3:10 p.m. - 3:30 p.m.	Tomer Katan - The Effect of Dietary Supplementation with Zooplankton or Fish Protein Hydrolysate on Atlantic Cod (<i>Gadus morhua</i>) Production Traits and Physiology	Daria Gallardi - Effects of Culture Depth on the Condition of Newfoundland Farmed Mussels
3:30 p.m. - 3:50 p.m.	David Legge - Workers Compensation - Reducing Claims - Prevention is the Key	Cyr Couturier - Mussel Certification and Promotion
6:00 p.m. - 6:30 p.m.	Aquaculture Banquet Gala Reception - Cash Bar (Salon D) Annual Dr. Joe Brown Silent Auction (Salon C)	
6:30 p.m.	Aquaculture Banquet Gala Buffet - Speaker: Honourable Keith Hutchings , Minister Fisheries and Aquaculture, Newfoundland and Labrador, Presentation of Technical Certificate in Aquaculture completion, Presentation of NAIA's Aquaculturist of the Year Award 2014 - Followed by Hospitality Suite (Salon C) (Banquet Tickets Available at Registration Until Noon)	

**Please see the Cold Harvester Magazine for
Cold Harvest Exhibitors, Profiles and Highlights.**



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