



Aquaculture Innovation Workshop

WORKSHOP PROGRAM
DAY 1: Monday, September 26

6:30 – 8:30 CONTINENTAL BREAKFAST (Dining Room)

8:45 – 9:00 Welcome and Introductory Remarks (Granny Painter Room)

Catherine Emrick, Tides Canada; Steven Summerfelt, The Conservation Fund's Freshwater Institute (TCFFI); and Ivan Thompson, Gordon and Betty Moore Foundation

RESEARCH PRESENTATIONS

9:00 – 9:30 Recent Research on the Effects of NO₃-N, CO₂, O₂ x Swimming Speed, and Strain x Photoperiod on Salmonid Performance, Health, and Welfare

Christopher Good, TCFFI, Aquaculture Veterinary Researcher

9:30 – 10:00 Research on Atlantic Salmon Welfare and Performance in RAS at Nofima Centre for Recirculation in Aquaculture

Jelena Kolarevic, NOFIMA MARINE, Researcher

10:00 – 10:15 Salmon Aquaculture GHG Emissions - A Preliminary Comparison of Land-Based Closed Containment and Open Ocean Net-Pen Aquaculture

Andrew Wright, SOS Solutions Advisory Committee, Technology Advisor

10:15 – 10:45 BREAK

10:45 – 11:15 Advances in Feed Formulations and Feed Specifics for Closed Containment Systems

Brad Hicks, Taplow Feeds, Executive Vice President;
and Gavin Shaw, Skretting North America Product Manager

11:15 – 11:45 Atlantic Salmon Breeding Program + Depuration & Off Flavor Research

Bill Wolters, U.S. Department of Agriculture, ARS, Director NCWMAC
(presentation to be delivered by Steven Summerfelt)

11:45 – 1:00 LUNCH – Status of Floating Closed-Containment Systems

Sean Wilton, Agrimarine Holdings

RAS GROW-OUT PROJECTS

1:00 – 1:30 'Namgis First Nation – Land Based Salmon Recirculating Aquaculture System Project

Garry Ullstrom, Namgis First Nation; KC Hosler, PR Aqua; and Steven Summerfelt, Technical Advisory Committee, Tides Canada Salmon Aquaculture Innovation Fund

1:30 – 2:00 Marine Harvest Canada – Land-based Atlantic Salmon Grow-out Employing Recirculating Aquaculture System

Clare Backman, Marine Harvest Canada; David Jackson, WorleyParsons Canada;
and Linda Coady, Chair, Tides Canada Project Review Board

2:00 – 2:30 Aquaseed's Sweetspring Salmon

Per Heggelund, Aquaseed Sweetspring Salmon



Day 1 continued...

WORKSHOP PROGRAM
DAY 1: Monday, September 26

- 2:30 – 3:00 BREAK**
- 3:00 – 3:30 Coho Salmon Production Systems at Montana Hutterite Colonies**
Jeffrey Mah, Envirotech Ag Systems Ltd., VP Marketing & Business Development
- 3:30 – 4:00 Atlantic Sapphire – 1000 ton Salmon production in Denmark – Langsand Laks**
Thue Holm, CEO Atlantic Sapphire
- 4:00 – 4:30 Golden Eagle Aquaculture – BC's first large land based Coho Facility**
John Holder, JLH Consulting Inc.
- 4:30 – 5:00 From the Vision to the Market: The Target Marine Story of White Sturgeon and Sunshine Coast Caviar**
Justin Henry, Target Marine Hatcheries, General Manager
- 5:00 – 6:15 Tour Group 1 to Agrimarine**
- 6:00 SOCIAL (BBQ area (weather permitting) otherwise Granny Painter Room)**
- 6:30 BBQ DINNER (Granny Painter Room)**

Aquaculture Innovation Workshop

WORKSHOP PROGRAM
DAY 2: Tuesday, September 27

- 6:30 – 8:30 CONTINENTAL BREAKFAST (Dining Room)**
- 7:15 – 8:30 Tour Group 2 to Agrimarine**
- 8:30 – 8:50 Progress Update on Two Atlantic Salmon Growout Trials in Freshwater Closed-Containment Systems at the Freshwater Institute (Granny Painter Room)**
Steven Summerfelt and Thomas Waldrop, TCFFI
- 8:50 – 9:10 Presentation on behalf of AquaOptima: Design and Economics of a RAS Farm for Atlantic Salmon in China**
Steven Summerfelt, TCFFI
- 9:10 – 9:30 University of British Columbia's InSEAS Research Facility**
Colin Brauner, University of British Columbia, Department of Zoology
- 9:30 – 10:00 Conceptual Design and Costs of a 2500 mt/yr Closed-Containment System for Atlantic Salmon**
Brian Vinci, TCFFI, Engineering Services



Day 2 continued...

WORKSHOP PROGRAM
DAY 2: Tuesday, September 27

10:00 – 10:30 BREAK

NAVIGATING ECO-STANDARDS AND MARKET DEMAND

10:30 – 11:00 Trends in Retailing from a Supplier Perspective: Increasing Demand, Retailer Requests, and Consumer Trend

Guy Dean, Albion Fisheries Ltd.

11:00 – 11:30 The Sustainable Seafood Policy Era: Understanding the North American Major Buyers' Sustainability Commitments, Shifting Needs and Seafood Buying Policies

Kelly Roebuck, Living Ocean's Society, Sustainable Seafoods Campaign Manager

11:30 – 12:00 The WWF Salmon Aquaculture Dialogue Standard and the ASC Final Standard, Improvements and Shortcomings, a Measure of Sustainability

Jay Ritchlin, David Suzuki Foundation, Director, Marine & Freshwater Conservation

12:00 – 1:15 LUNCH – The History of Salmon Aquaculture

Brad Hicks, Taplow Feeds, Executive Vice President

GOVERNMENT PERSPECTIVES

1:15 – 1:45 The Canadian Model Farm Initiative

Daniel Stechey, Canadian Aquaculture Systems

1:45 – 2:30 Department of Fisheries and Oceans National Strategic Planning Initiative Update on Emerging Technologies & the New Federal Regulatory Regime for Aquaculture in the Pacific Region

Alistair Struthers, Fisheries and Oceans Canada, Aquaculture Management Directorate, Sector Strategies Team Leader

2:30 – 3:00 BREAK

3:00 – 3:45 Update on Emerging Marine Aquaculture Technologies in the US and the new NOAA Aquaculture Policy

John Colt, National Oceanic and Atmospheric Administration, Research Biologist

PANEL DISCUSSION

3:15 – 4:15 PANEL DISCUSSION – Aquaculture Innovation Research Priorities

Panel members to be announced

4:15 – 4:30 Closing Remarks

4:45 – 6:00 Tour Group 3 to Agrimarine