



UNIVERSIDAD DE LOS LAGOS



NSERC Canadian Integrated
Multi-Trophic Aquaculture Network

Réseau canadien d'aquaculture
multitrophique intégrée du CRSNG



International Conference & Workshop
Integrated Multi-Trophic Aquaculture (IMTA):
an aquanomic approach to farming the sea

December 2 - 3, 2014

Auditorium Universidad de Los Lagos
Campus Chiquihue, Puerto Montt



Información:

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PROGRAM DAY 1

TIME	CONFERENCE
8:30 – 9:00	Inscription
9:00 – 9:45	A.H. Buschmann. Advances and constraints of aquaculture in Chile. Is IMTA a valid option for Chile? Centro i-mar, Universidad de Los Lagos, Chile
9:45 – 10:20	M.H. Medina. Sustainability situation of salmon aquaculture in Chile. INTESAL, Chile
10:20 – 10:55	E. Aguilera. Chilean aquaculture status and considerations for the development of Integrated Multi-Trophic Aquaculture. Director Regional SERNAPESCA, Chile
10:55 – 11:15	<i>Coffee break</i>
11:15 – 12:00	T. Chopin et al. Integrated Multi-Trophic Aquaculture (IMTA): an aquanomic approach to farming the sea. CIMTAN, University of New Brunswick, Canada
12:00 – 12:35	S.M.C. Robinson et al. The rationale for moving down into the water column as the next development phase for Integrated Multi-Trophic Aquaculture (IMTA). CIMTAN, Fisheries and Oceans Canada, Canada
12:35 – 13:05	K. Simmons et al. Quantification of biodeposition and ingestion rates of the orange-footed sea cucumber, <i>Cucumaria frondosa</i> , at Integrated Multi-Trophic Aquaculture (IMTA) sites in the Bay of Fundy, Canada. CIMTAN, University of New Brunswick, Canada
13:05 – 14:30	<i>Lunch</i>
14:30 -15:05	E. Niklitschek. Environmental challenges for salmon aquaculture in Patagonia. Centro i-mar, Universidad de Los Lagos, Chile
15:05 – 15:35	A. Fortune et al. Optimizing benthic extraction of nutrients within an Integrated Multi-Trophic Aquaculture (IMTA) system using the California sea cucumber, <i>Parastichopus californicus</i> . CIMTAN, University of Victoria, Canada
15:35 – 15:55	<i>Coffee break</i>
15:55 – 16:30	G.R. Olivares. Flow patterns around salmon cages and mussel farms in Southern Chile. Centro i-mar, Universidad de Los Lagos, Chile
16:30 – 17:05	R. Filgueira et al. Exploring the spatial arrangement of Integrated Multi-Trophic Aquaculture (IMTA) sites using ecosystem modelling: the role of vertical fluxes. CIMTAN, Dalhousie University, Canada
17:05 – 17:25	T. Chopin & A.H. Buschmann. Wrapping up and discussion

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PROGRAM DAY 2

TIME	CONFERENCE
9:00 – 9:30	A. Byrne et al. Investigating a possible new role for Integrated Multi-Trophic Aquaculture (IMTA) filter-feeding bivalves: natural sea lice mitigation at salmon farms. CIMTAN, University of Victoria, Canada
9:30 – 10:00	H. Bradford et al. A bottom up approach to Integrated Multi-Trophic Aquaculture (IMTA): investigating the impact of aquaculture on microbial communities. CIMTAN, University of New Brunswick, Canada
10:00 – 10:30	S. Murray et al. Freshwater Integrated Multi-Trophic Aquaculture (FIMTA): developing aquaponics for cold temperate commercial Atlantic salmon, <i>Salmo salar</i> , hatchery systems and investigating the use of kelp biochar as a plant substrate. CIMTAN, University of New Brunswick, Canada
10:30 – 10:50	<i>Coffee break</i>
10:50 – 11:25	C. Camus. Aquafarming of <i>Macrocystis</i> in Chile. BAL Chile S.A., Chile
11:25 – 12:00	D.A. Varela. Macroalgae performance and productivity within an IMTA context: lectures from photosynthesis and nutrient metabolism. Centro i-mar, Universidad de Los Lagos, Chile
12:00 – 12:35	D. Knowler et al. Bioeconomic modelling of sustainable aquaculture: conventional salmon monoculture versus Integrated Multi-Trophic Aquaculture (IMTA) in Canada. CIMTAN, Simon Fraser University, Canada
12:35 – 14:30	<i>Lunch</i>
14:30 – 15:00	M. Carras et al. Financial implications of Integrated Multi-Trophic Aquaculture (IMTA): a review and update. CIMTAN, Simon Fraser University, Canada
15:00 – 15:35	M. Flaherty and K. Tebbutt. Building a social license for IMTA: challenges and opportunities. CIMTAN, University of Victoria, Canada
15:35 – 15:55	<i>Coffee break</i>
15:55 – 16:25	Round table. Is IMTA feasible within the Chilean and Canadian aquaculture context?
16:25 – 16:50	T. Chopin & A.H. Buschmann. Workshop final conclusions



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