

Third international workshop on Carrying Capacity and Aquaculture:

“Integrated Multitrophic Aquaculture as a strategy for management of high productive aquaculture areas”

23rd JUNE 2009

UNIVERSIDAD DE LOS LAGOS
CAMPUS PUERTO MONTT
CHILE

INTEGRATED AQUACULTURE IS A VERY USEFUL MEANS TO MITIGATE IMPACTS FROM EXCESSIVE NUTRIENT EMISSION FROM AQUATIC FARMING PROCESSES AND INCREASE PRODUCTIVITY WITHIN THE LOCATIONS USED.



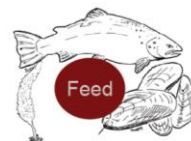
BACKGROUND

Marine aquaculture has augmented rapidly in the past two decades, and cage fish farming is widespread around the world, especially in Norway and Chile. The worldwide aquaculture growth has caused increasing attention and concern on the environmental effects of its activities on coastal ecosystems. With increasing farm size and potentially higher nutrient release, an understanding of the carrying capacity and ecosystem processes will be important.

Integrated Multitrophic Aquaculture (IMTA), which includes aquaculture species from different trophic levels, should be considered in relation to carrying capacity and the increasing intensification of fish farming processes.

SCOPE AND OBJECTIVES OF THE WORKSHOP

The main focus of the workshop is to share most recent scientific developments within Integrated Aquaculture and its relationship to carrying capacity. This constitutes a relevant step towards the future of environmental management of the aquaculture industry in Chile and Norway.



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PROGRAMME OF THE WORKSHOP

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|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.30-9.00 hrs | Registration |
| 9.15-9.50 hrs | An ecosystemic management of aquaculture in Chile and the relevance of Integrated Multi-Trophic Aquaculture-
<i>Dr. Alejandro Buschmann</i> |
| 9.50-10:25 hrs | Status of integrated aquaculture in Norway- <i>Dr. Kjell Inge Reitan</i> |
| 10.25-10.50 hrs | Coffee Break |
| 10.50-11:25 hrs | Waste production and environmental impacts of salmon aquaculture-
<i>Professor Yngvar Olsen</i> |
| 11.25-12:00 hrs | Observational and modeling approach to the assessment of carrying capacity in a Chilean fjord (Estuario Reloncavi)-
<i>Dr. Fabián Tapia</i> |
| 12.00-12.35 hrs | 3D ecological modelling of waste emission from fish farms- <i>Dr. Ingrid Ellingsen</i> |
| 12.35-14.00 hrs | Lunch (not included) |
| 14.00-14.35 hrs | Seaweed cultivation and integrated multi-trophic potential in Chilean waters-
<i>Dr. Alfonso Gutiérrez and Roberto Flores</i> |
| 14.35-15.10 hrs | Modeling of seaweed growth in an integrated aquaculture system-
<i>Dr. Ole Jacob Broch</i> |
| 15.10-15.35 hrs | Coffee Break |
| 15.35-16.10 hrs | Integrated multitrophic aquaculture in Chile: Physiological responses of seaweed cultures associated with salmon farms-
<i>Dr. Daniel Varela</i> |
| 16.10-16.45 hrs | Cultivation experiences of seaweed in Norwegian waters- <i>Dr. Kjell Inge Reitan and Dr. Ole Jacob Broch</i> |
| 16.45-17.15 hrs | Round Table |

FREE OF CHARGE



To attend, please complete the pre-registration form and send to: multitroficaqua@avs-chile.cl

Organized by:

