TARS 2013: The Industry’s Foremost Opinion-leading Aquaculture Event in Asia For the Third Successive Year!

Aquaculture is the fastest growing food production industry and now accounts for nearly half of the global food fish supply. In Asia, where future fish food is projected to come from, finfish dominates 64% of the total aquaculture production. The sector continues to increase production at 5% per annum.

The potential, however, is disadvantaged by rising costs in small scale production systems, lack of controlled environments, cyclic demands, poor marketing and the negative image of Asian finfish.

The Third Aquaculture Roundtable Series (TARS 2013) will address current and emerging challenges, as well as opportunities to ensure the economic sustainability of Finfish Aquaculture production in Asia.

Your Opportunity to Dialogue with Experts in the Field!

Plenary & Breakout Sessions:
A host of international experts from Asia, Europe, Australia and the USA will facilitate the plenary and industry breakout sessions which are hallmarks of this critical series. TARS 2013 will feature an invited poster session showcasing cutting-edge research. What you will learn:

- **Breeding and Hatchery Management**: The industrialisation of a hatchery business in Singapore; monoculture hatchery in the Mediterranean; and domestication and genetics in the tilapia, freshwater and marine fish.
- **Production, Health and Environment**: Six industry experts will discuss global business models; the road to industrialisation for tilapia and marine fish in Asia; health management strategies.
- **Feeds and Feeding**: Four experts from industry academia will look at feed development from marine fish to tilapia, developing ideal feeds and refining nutrition.
- **Marketing and Sustainability**: An overview of marketing whitefish in USA, Europe; branding and image building for Asian whitefish.

Who Will Benefit?
TARS 2013 brings together international experts and key stakeholders from the academia, policymakers, NGOs, integrators, investors, farmers and technical staff, feed suppliers, ingredient and equipment specialists.

For registration and program information, go to [www.tarsaquaculture.com](http://www.tarsaquaculture.com)
## PROGRAM

### DAY 1 - WEDNESDAY, 21 AUGUST 2013

**0730 - 0830 hrs**  
Registration

**PLENARY SESSION:**

**0830 - 1020 hrs**  
Session 1: Breeding and Hatchery Management

Domestication and Selective Breeding in Asia: The Tilapia Model and Implications for the Marine Fish  
- Morten Rye, Scientific Director, Akvaforsk Genetics Center AS, Norway

Industrial Finfish Hatchery in Asia: Towards Quality Barramundi Fry Production  
- Frank Tan, Founder and Chief Operating Officer / Tan Kay Heok, Chief Scientific Officer, Marine Life Aquaculture, Singapore

Intensive Hatchery Management: Monoculture Production and Learning from Experiences in the Mediterranean  
- Alessandro Moretti, Product Manager, Fish Hatchery Nutrition and Health, INVE Aquaculture, Belgium

**1020 - 1040 hrs**  
Break

**1040 - 1230 hrs**  
Session 2: Production, Health and Environment

Production Systems: Business Models, Efficiencies and Investor Outlook  
- Bjørn Myrseth, CEO of Vitamar and Chairman of Morpol, Norway

Industrialisation and Sustainability in Tilapia Production - From Small Business to Market Leader: An Industry Perspective  
- Freek Huskens, President Director, PT Aquafarm Nusantara, Indonesia

Industrialisation and Sustainability in Marine Fish Production in Asia  
- Misai Tsai, Managing Director, PT Lucky Samudra Pratama, Indonesia

**1230 - 1400 hrs**  
Lunch

**1400 - 1520 hrs**  
Part 2: Fish Health

Managing Fish Health in Tropical ‘Open-Water’ Systems - The Way Forward  
- Norman Lim, Regional Technical Manager, Merck Animal Health, Singapore

Overcoming Bacterial Virulence Using Quorum Sensing - Hitting Below the MIC Belt  
- Tim Goossens, R&D Engineer, Nutriad International NV, Dendermonde, Belgium

**1520 - 1540 hrs**  
Break

**1540 - 1730 hrs**  
Session 3: Feeds and Feeding

Beyond a Vision of 2020: The Future of the Ideal Aquaculture Feeds in Asia  
- Brett D. Glencross, Principal Research Scientist and Stream Leader for Aquaculture Feed Technologies Research, CSIRO, Australia

Evolution of Performance Feeds - From the Marine Fish to the Tilapia  
- Michel Autin, Technical Director, BioMar West Med, Norway

Functional Nutrition to Sustain High Feed and Fish Performances  
- Vincent Fournier, Head, R&D Department, SPF-Diana, Aquativ, France

**1830 hrs**  
Cocktail Reception & End of Day 1

### DAY 2 - THURSDAY, 22 AUGUST 2013

**0815 - 1045 hrs**  
Session 4: Marketing and Sustainability

Asian Finfish Aquaculture: Building a Positive Image  
- Anton Rizki, Director and Principal Consultant Kiroyan Partners, Indonesia

White Fish Markets- Trends and Requirements  
- Christelle Vigot, Food Business Developer, Bayong Ltd, Hong Kong

The Sustainability Challenges of Fish Meal and Fish Oil Crisis in the Finfish Aquaculture  
- Ioannis Nengas, Aquaculture Nutrition Expert, Alltech, Europe

Mitigating Environmental Risks: Lesson Learnt and Zonal Management for Sustainability  
- Han Han, China Program Manager, SustainableFisheries Partnership Foundation (SFPF), China

**1020 - 1040 hrs**  
Break

**1040 - 1300 hrs**  
BREAK OUT SESSION: Moving The Industry Forward

Participants will break into groups of 10 to discuss challenges facing the industry. (Participants will be required to select their area of interest in the registration form prior to the meeting and will be allocated to the specific groups). Led by team leaders, there will be multiple groups discussing three or more industry topics related to finfish aquaculture. The expected output would be a list of key challenges, priority areas for improvement and recommended strategies to take the industry forward. Leaders from each group will present a summary of the output from the breakout sessions. This will be an interactive session.

The choice for industry groups are:
- Breeding and Hatchery Management
- Production, Health and Environment
- Feeds and Feeding
- Marketing and Sustainability

**1300 - 1415 hrs**  
Lunch

**1415 - 1800 hrs**  
Report Session

**1800 hrs**  
Closing & End of TARS 2013
PROGRAM HIGHLIGHTS

Domestication and selective breeding in Asia: the tilapia model and implications for the marine fish

“Well-designed breeding programs have increased the animals’ biological efficiency and resulted in dramatic reductions in production costs and increased profitability. Most productions are still utilising wild germplasm or stocks recruited from narrow genetic bases and in initial stages of domestication. Here, I will focus on the importance of adequate domestication strategies…”

Morten Rye

Overcoming bacterial virulence using quorum sensing - hitting below the MIC belt

“Quorum sensing (QS) inhibition as an alternative strategy to reduce the impact of bacterial diseases in aquaculture. QS is a form of bacterial communication that allows bacteria to coordinate biochemical responses often associated with virulent bacterial signalling…”

Tim Goassens

Industrial finfish hatchery in Asia: towards quality barramundi fry production

“We will describe our journey in transforming this business to a viable large-scale barramundi hatchery and farm supplying vaccinated barramundi fry and fingerlings to farms in the region. MLA is setting a standard for the consistent supply of quality fry…”

Frank Tan Tan Kay Heok

Beyond a vision of 2020: the future of the ideal aquaculture feeds in Asia

“The technology underpinning the development of modern aquaculture feeds has reached a stage where it is now possible to estimate the ideal feed specifications for any species and any stage of its grow-out production. To further improve performance efficiency these specifications will need to be continually refined for each species, production…”

Brett D. Glencross

Intensive hatchery management: monoculture production and learning from experiences in the Mediterranean

“Hatchery production is supporting the growth of fish farming in the Mediterranean, providing fry in large numbers and with enhanced quality. I will discuss intensive production methods and data on overall quality and deformities. State-of-the-art will be thus analysed in order to understand new opportunities and the strategies for the future…”

Alessandro Moretti

Functional nutrition to sustain high feed and fish performances

“Improving feed functionalities with the dietary inclusion of selected raw materials, ingredients or additives is becoming more and more usual and considered as really efficient to prevent nutritional disorders and enhance fish resistance to biotic and abiotic factors, contributing to better farm productivity…”

Vincent Fournier

Production systems: business models, efficiencies and investor outlook

“I will begin with the very successful business model used on the Faroese islands for production of Atlantic salmon. I will then look at successes and failures in Norway and move on to discuss why integration and consolidation take place and compare this with the chicken industry. Finally, I will explain what investors are looking at when they consider the fishfarm aquaculture business…”

Byørn Myrseth

Asian finfish aquaculture: building a positive image

“Reputation is an intangible asset and a badly damaged reputation will harm businesses. By using case studies such as that of the Vietnamese pangasius catfish industry, a number of common social and environmental issues that may affect reputation will be discussed. We will see how CSR principles and the stakeholder management mindset can be applied for setting the groundwork prior to improving image…”

Anton Rizko

Industrialisation and sustainability in tilapia production - from small business to market leader: an industry perspective

“PT Aquafarm Nusantara, Indonesia (PTAN) is part of Regal Springs Group an integrated aquaculture operation producing traceable tilapia from hatchery to the distribution and branding of fillets. I will describe our production model of land-based hatcheries and grow-out in floating cages in lakes and strong sense of social and environmental responsibility since its beginnings in 1988…”

Freek Hashkens

The sustainability challenges of fish meal and fish oil crisis in the finfish aquaculture

“I will discuss some advances which are mainly related to sustainability in European aquaculture. This will include Marine Harvest in Norway and in the Mediterranean and how they handle diseases with parasites which sometimes is devastating for other producers. Feed sustainability is important for industry worldwide and I will discuss algae as new, ‘green’ ingredient of aquaculture and also our research alliance project with Nofima, Norway which is to find new solutions for sustainable feeds in the future…”

Ioannis Nengas

Managing fish health in tropical ‘open-water’ systems - the way forward

“It is crucial for each investor to fully understand the disease risk and associated costs and commit the financial capital necessary to deal with that… Here we will highlight some of the key components of a bio-security program, aimed at mitigating risk that will result in improved production efficiency and profitability for open-water cage systems cage by cage, farm by farm and the ultimately the entire industry…”

Norman Lim

Mitigating environmental risks: zonal management for sustainability

“The Chinese tilapia industry, has suffered from disease in the past five years. Along with a comprehensive study combining both biochemical analysis of farm’s internal and external aquatic environment and a socio-economic research on the supply-chain dynamics, a zonal management approach that facilitates co-operation and communications among stakeholders has been explored in Hainan Island, China. Importance of cultural and institutional factors in zonal management for aquaculture in developing countries will be discussed…”

Han Han