

Programme

Draft AGENDA

Perspectives for Fishmeal and Fish Oil in light of the management of forage fisheries, alternative uses of meal and oil and the development of new feeds and technologies

A Symposium jointly organised by the Nordic Marine Think Tank and EUfishmeal with funding support from the Nordic Council of Ministers to take place at the North Sea Centre, Hirtshals, on August 29-30, 2016.

Day 1 - August 29, 2016

Chair: Jens G. Helgason - Manager of Fiskimið and Chairman of Fisheries Iceland Association SFS

11:00-12:00 Opening of Symposium

Welcoming Remarks by EUfishmeal (Johannes Palsson), Nordic Council of Ministers (Helge Paulsen, Chair AG-Fisk), NMTT Chair (Sten Sverdrup-Jensen) and Norway's State Secretary for Fisheries.

12:00-13:30 NETWORK LUNCH

13:30 - 14:15 Keynote Introductions to Symposium - Setting the Scene

Fishmeal and fish oil: Why bother? - Opportunities and challenges (Frank Asche, University Stavanger)

Fishmeal and fish oil: social and economic contribution of the fishmeal and fish oil value chain (Carl-Christian Schmidt, NMTT)

14:15 - 16:00 Biological challenges of Forage Fisheries, moderated by Eskild Kirkegaard, ICES

Managing forage fisheries in a Nordic context (Hans Lassen, NMTT)

Do forage fisheries impact other parts of the eco-system? State of knowledge, (Anna Rindorf, DTU Aqua)

Eco-system functioning and management of pelagic species (Henrik Sparholt, NMTT)

How can knowledge and data from the fishing industry be integrated in stock assessments (Esben Sverdrup-Jensen, Danish Pelagic Producers' Organisation)

16:00 - 16:30 Coffee and Networking

16:30 - 17:45, Forage fisheries, Food Security and Other Societal Concerns, moderated by Dawn Purchase, Aquaculture Programme Manager, Marine Conservation Society, UK

The Importance of Forage Fisheries - Linking Forage Fisheries to Food Security (Audun Lem, FAO)

Certification of Forage Fisheries: What to look out for (Jake Rice, Department of

The purpose

The purpose of the symposium is to bring stakeholders together for an informed discussion of trends, challenges and opportunities for the fishmeal and fish oil value chains (catch, processing and end use i.e. from supplies over processing to demand) in light of changing policy environments with respect to fisheries management, regulatory framework, food security, technological developments and changing stakeholder views.

As a background it is noted that fishmeal and fish oil have for many years been of central importance to the feed compounds industry for use in animal feed, for both fish and land-based animals. Over the past decade an increasing demand for fish meal and fish oil for aquaculture and pharmaceuticals has resulted in increasing prices.

Concurrently, innovation in plant breeding technologies and the use of alternatives to small pelagic fish (such as seaweed) has made it feasible to substitute traditional fishmeal with new meal products with Omega3 content. Aquaculture feed technologies have also evolved and the need for fish oil in feeds has decreased while the overall demand has gone up due to an increased global aquaculture production. In some countries public opinion has raised concerns about the use of pelagic resources for animal feed. Concurrently, the extent to which fishmeal and fish oil can be substituted, without compromising fish health and quality, is a challenge. A better mapping and understanding of fishmeal and fish oil's economic, biological and social interaction with the marine environment and the sector's economic and social contribution is warranted.

Fisheries and Oceans, Canada)

Fishmeal and fish oil and its role in sustainable aquaculture (Andrew Jackson, IFFO)

The future for fishmeal and fish oil in feed ingredients (Chris Ninnis, Aquaculture Stewardship Council)

Potential future source of raw material: What do we know? (Michael St. John, DTU Aqua)

19:30 Symposium Networking Dinner, OCEANARIET, North Sea Centre, Hirtshals. Dinner speech by Lene Kjeldgaard, Mayor of Thisted, Denmark.

Day 2 - August 30, 2016

9:00-11:00 Fishmeal and Fish Oil Value Chain Perspectives, moderated by Frank Asche, University of Stavanger, Norway

Marine ingredients in the new bio-economy (Tormod Thomsen, Firmenich)

The importance of fishmeal and fish oil in Salmon Diets (Odd Eliassen, Havsbrun and Bakkafrost)

Innovation needs - Developing fishmeal and fish oil as package nutrients (Adel El-Mowafi, Cargill Aqua Nutrition)

A sustainable value chain (Anne Hilde Midttveit, Lerøy)

11:30-12:30 Roundtable Discussion moderated by Jóhann Sigurjónsson, HAFRO, Iceland

The panel will include Odd Eliassen, Audun Lem, Henrik Sparholt and Wilhelm Liljeqvist (Salmonfarm Finland)

Closing remarks by Jens G. Helgason, NMTT Chair and EUfishmeal Chair

12:30 - 14:00 Lunch