

Conference part 3 – Workshop

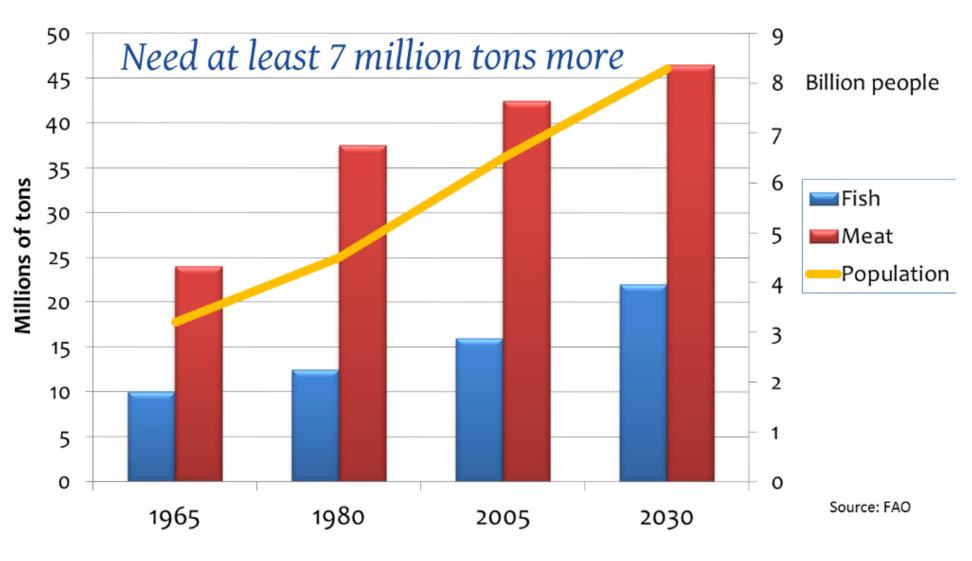
Fishmeal for the Future/The good story about fishmeal



Friday August 28th 2015, Vestmannaeyjar



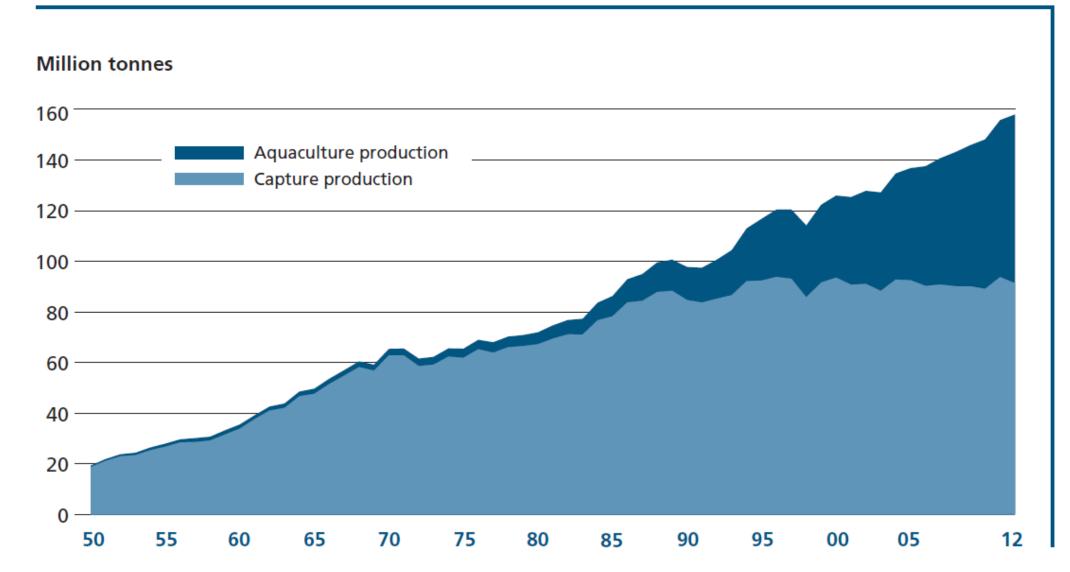
Feeding the global human population





The State of World Fisheries and Aquaculture 2014

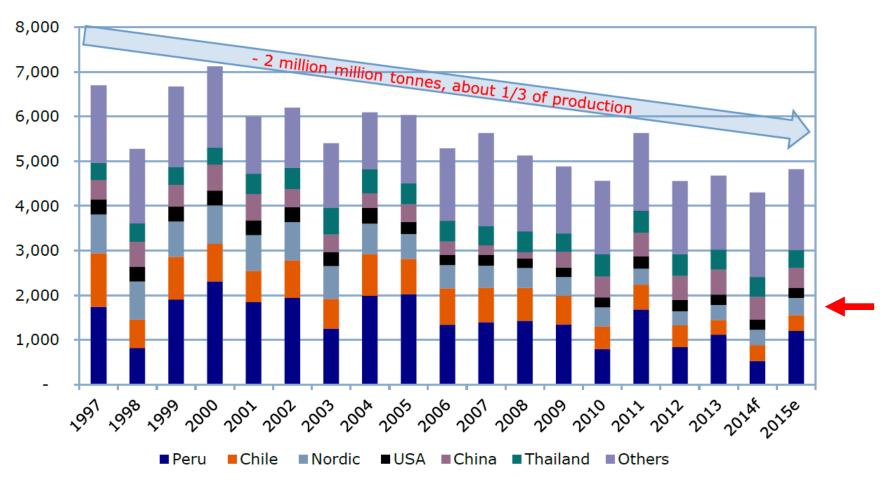
World capture fisheries and aquaculture production





Declining global fishmeal production 1997-2015

thousand tonnes



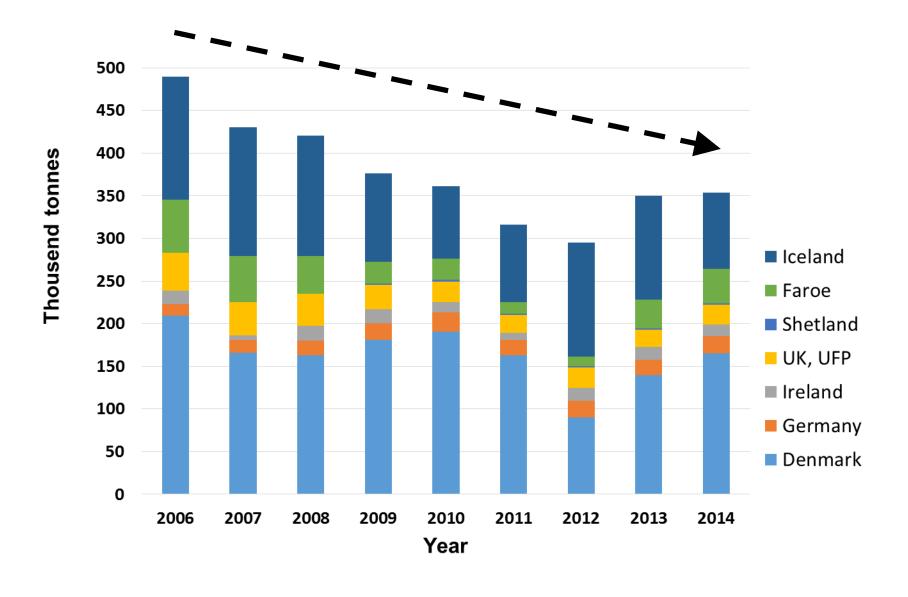
Nordic = Norway, Denmark, Iceland

Source: Rabobank, Kontali, IFFO, 2015

Rabobank Industry Note #494 - June 2015

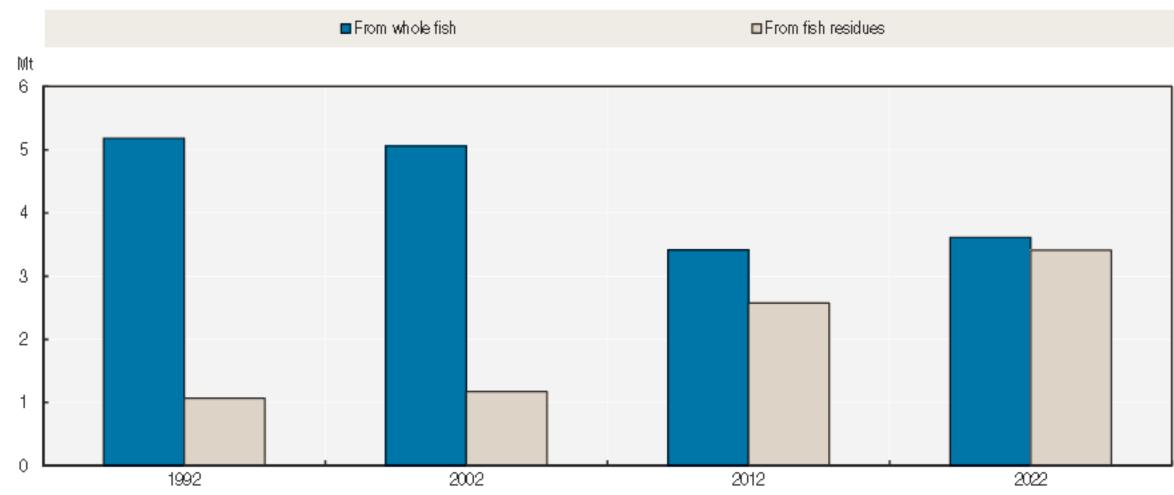


Declining EUfishmeal production 2006-2014





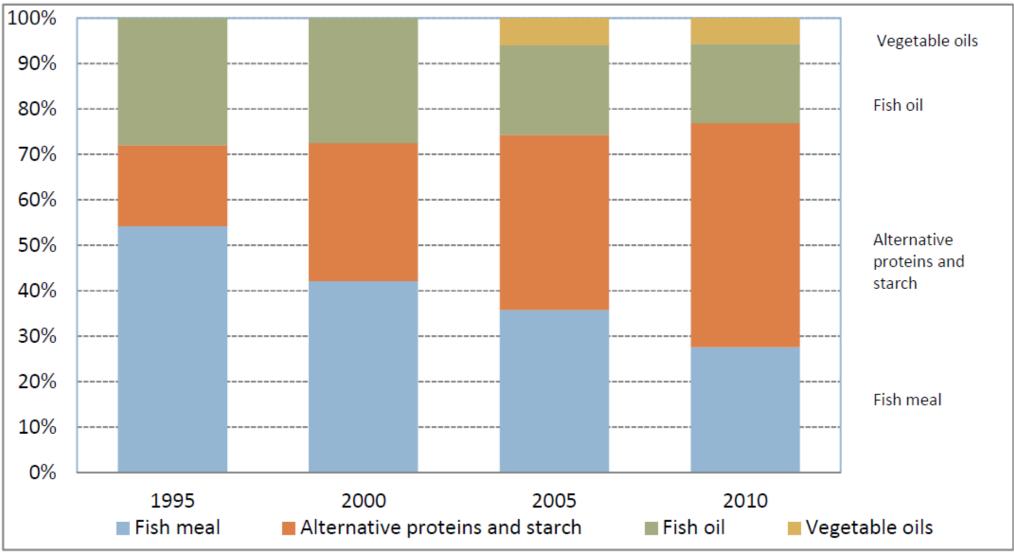
Increasing share of fishmeal obtained from fish by-products



Source: OECD and FAO Secretariats.



The composition of Norwegian Salmo salar feed over the period 1995–2010



(UPDATE: For 2013 inclusion is 15 % fishmeal and the oil content is 1/3 fish oil and 2/3 vegetable oil . Some major producer grower diets are down to 10 % fishmeal.)



The Appeal of Fishmeal

Fishmeal's Transformation from a Commodity to a High-Price Strategic Marine Protein

The role of fishmeal is changing. High prices, driven by both falling supply and rising demand, are forcing a rationalisation of users. Only those who can find a strategic or functional role for fishmeal beyond simply its high level of protein are able to pay the higher costs. As fishmeal becomes a strategic ingredient, its historical correlation to alternative vegetable-based protein sources is likely to wane, as has already been the case for fish oil and vegetable oils. This would have implications for many players in both the aquaculture and wild catch industries.

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Projects in support of the use of fishmeal and fish-oil

Outcome from the EUfishmeal meeting 12 March 2015 in Copenhagen:

- Full support to the project proposal: "The good story about fishmeal".
- The first step is the establishment of a steering group consisting of participants from EUfishmeal.
- The steering group to steer projects give advice on project proposals, project plans, and project funding opportunities.



The Benefits of Fish Meal in Aquaculture Diets

- The "unknown" growth factor
- Protein Quality of Fishmeal
- Lipid Content in Fishmeal
- Energy in Fishmeal
- Mineral and Vitamin Value of Fishmeal
- Economic and Environmental Considerations of Fishmeal Utilization



Project ideas

Two research proposals for consideration:

- 1. "Life cycle fish health and cost-benefit gain from using high marine inclusion versus low marine inclusion feed"
- 2. "Meat versus salmon: climate impact through life cycle assessment"

A conference sponsored by Nordic Council of Ministers:

- "Perspectives for the future demand for fishmeal and fish oil"
- Nordic Marine Think Tank (Leader Carl-Christian Schmidt formerly OECD)
- Network project
- 2016
- ~100 participants
- To be developed by a steering group under NMTT and EUfishmeal