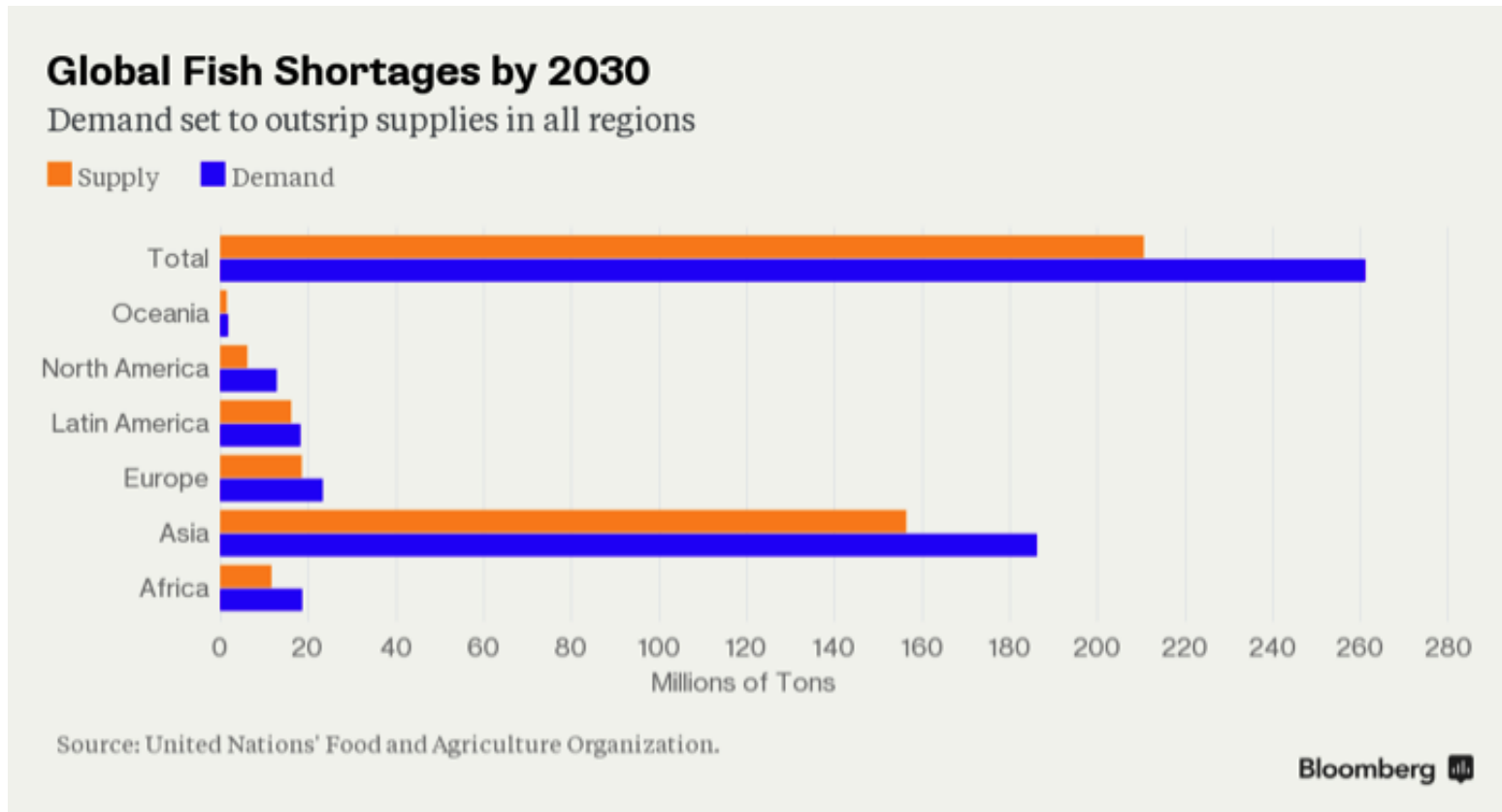


The future for fishmeal and fish oil in feed ingredients

Chris Nines
29 August 2016

Why do we need aquaculture certification?



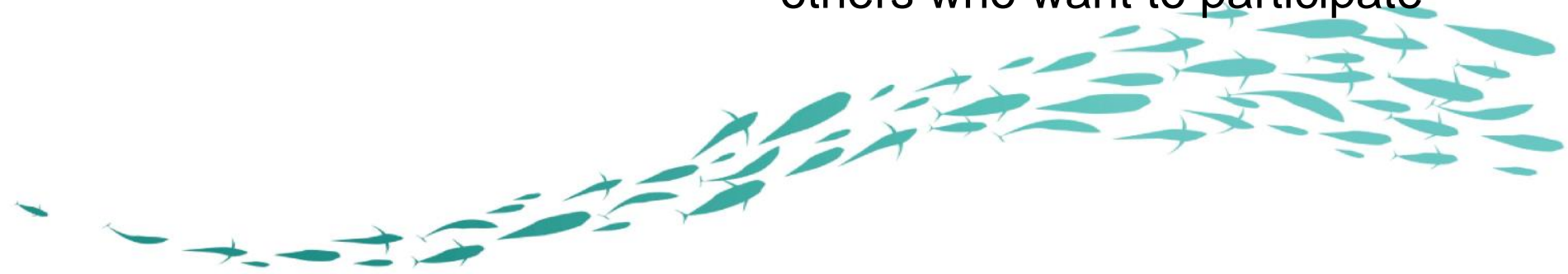


A world where aquaculture plays a major role in supplying food and social benefits for mankind whilst minimising negative impacts on the environment

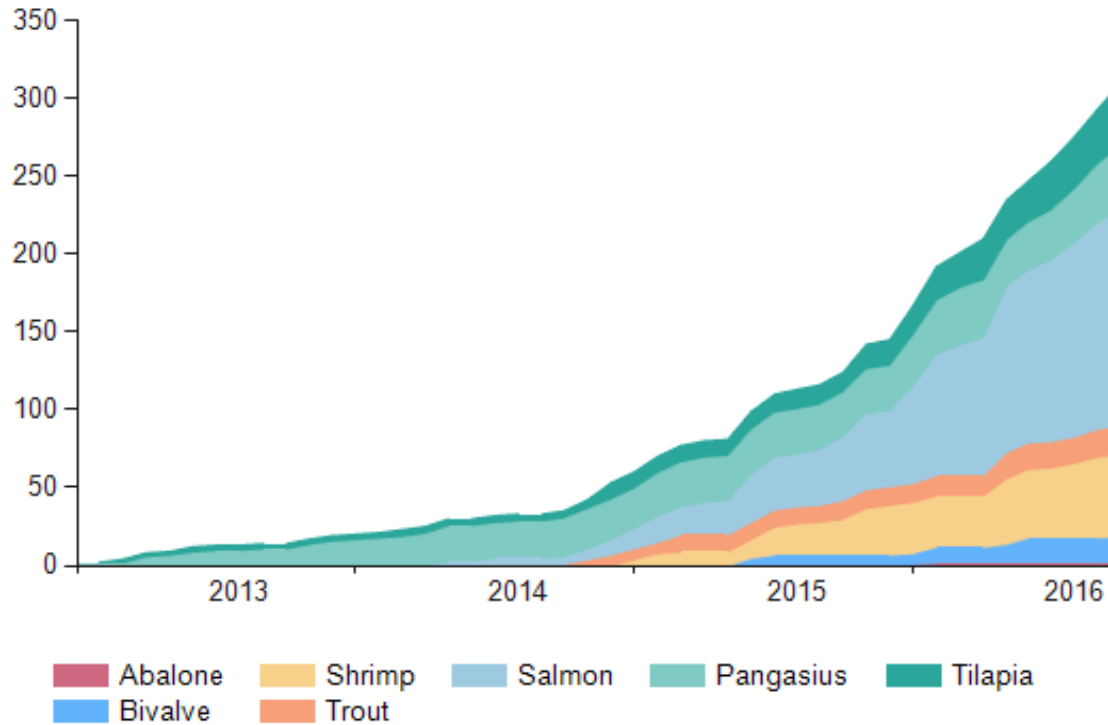
ASC Aquaculture Stewardship Council



- Independent, not-for-profit certification & labelling program
- Established in 2010: WWF & IDH
- Global, market-based & voluntary
- Based on science & transparency
- Work with industry, NGOs and all others who want to participate



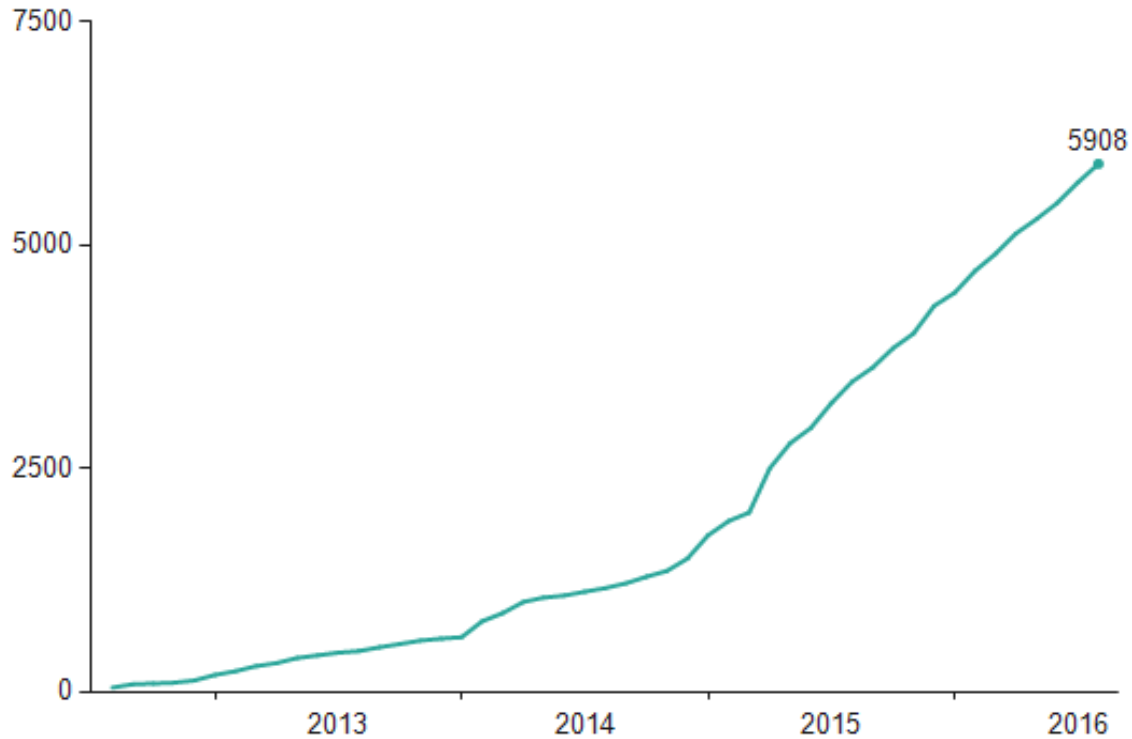
Certified farms – 1 August



311 certified farms

32 countries

Number of ASC approved products – 1 August



5908 approved products **58** markets **970** CoC companies



Fresh ASC Salmon
Skin On Portion

Special

\$26⁰⁰ per kg

Farmed Seafood \$26.00 per kg

PRODUCT OF AUSTRALIA

SEAFOOD WITH THIS MARK COMES FROM A FARM THAT HAS BEEN INDEPENDENTLY CERTIFIED TO THE ASC'S STANDARD FOR RESPONSIBLY FARMED SEAFOOD.
WWW.ASC-AQUA.ORG

MSC

asc

ASC-C-00821



COLES BRAND SEAFOOD

RESPONSIBLY SOURCED

A BETTER CHOICE FOR OUR OCEANS

CERTIFIED SUSTAINABLE SEAFOOD MSC www.msc.org

FARMED RESPONSIBLY asc CERTIFIED ASC-AQUA.ORG

RESPONSIBLY SOURCED SEAFOOD

MSC-C-54768

ASC-C-00821

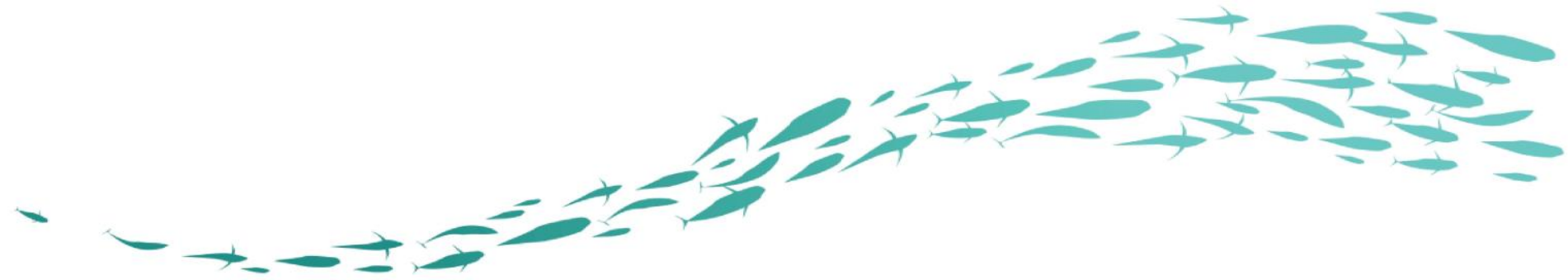




AEON



ASC Feed Standard



Aim of Feed Standard



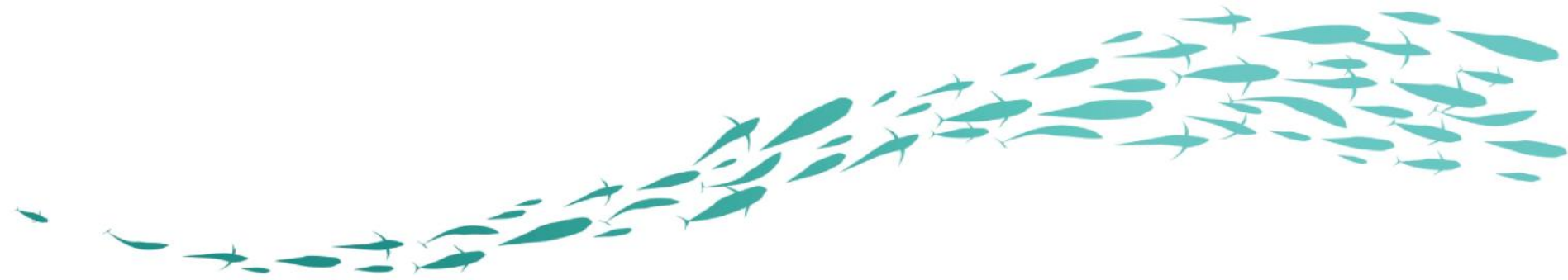
1. Harmonise the inconsistent feed related content within the existing ASC farm standards
2. Address environmental & social impacts created by production of key feed ingredients
3. Start addressing environmental & social impacts created by production of non-key ingredients



Principles behind the Feed Standard



1. ...establish a consistent bar for responsible/sustainable practises related to feed
2. ... based on publicly available facts & figures
3. ... achievable in terms of volume expectations
4. ... workable in terms of practical implications
5. ... acceptable for key stakeholders



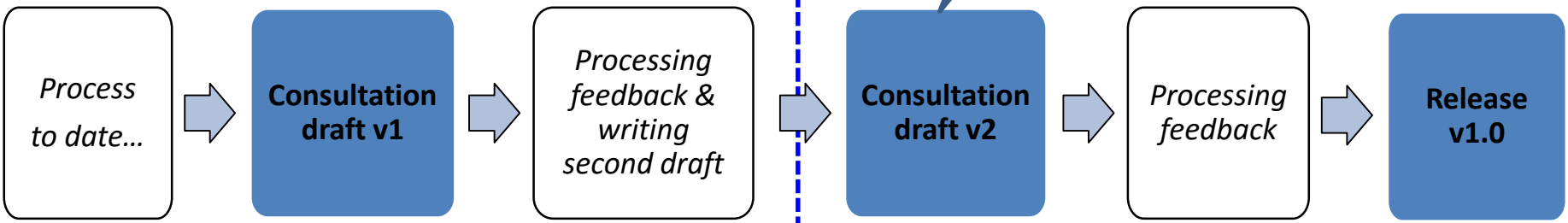
Feed Standard: Development



Now



Expected 2017



47 stakeholders;
1014 comment
lines received

Pilots will be
run in parallel





Content of ASC Feed Standard

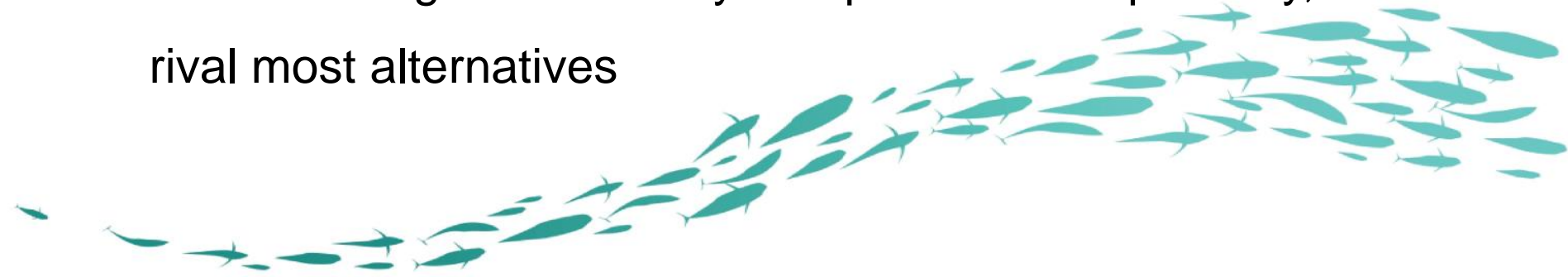
1. Requirements for Feed Mill
 2. Requirements for Marine Ingredients
 3. Requirements for Terrestrial Plant Ingredients
 4. Requirements for Terrestrial Animal Ingredients
- All have environmental & social requirements



FM/FO requirements are needed!



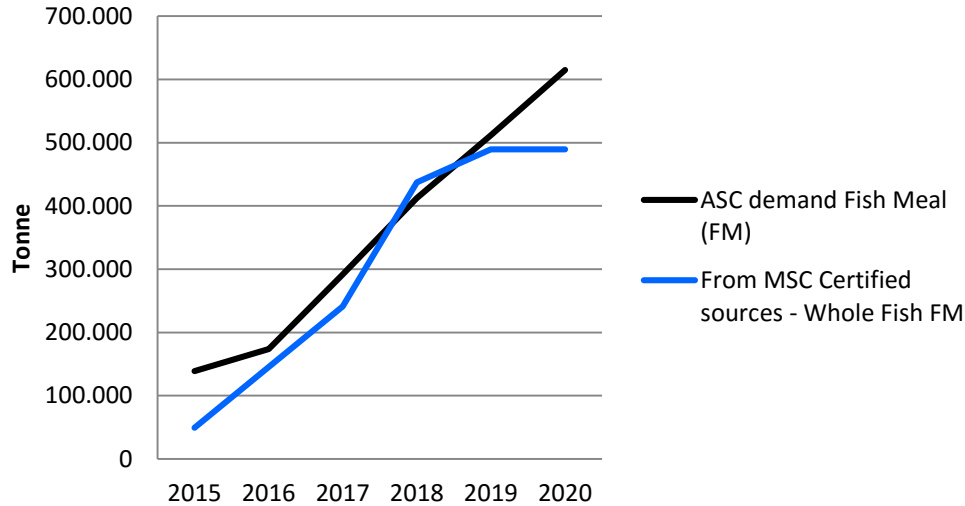
- FM/FO is an essential ingredient for aquaculture in particular, but:
 - Slowly decreasing global production
 - Currently small but increasing uses of FO for direct human consumption
 - AqC growth matched by decreasing inclusion rates in diets (trade offs)
 - Has unique nutritional values
- Must be caught sustainably and produced responsibly, it would rival most alternatives



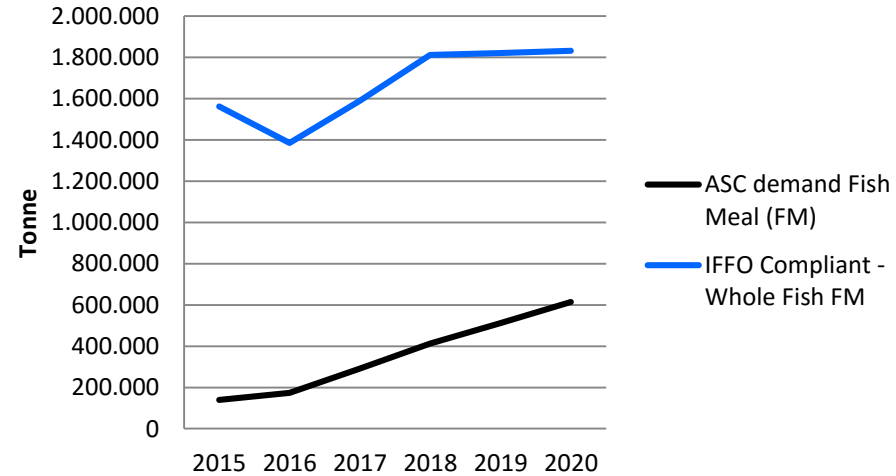
ASCs' Fishmeal supply & demand



ASC demand FM vs. MSC-certified sources FM



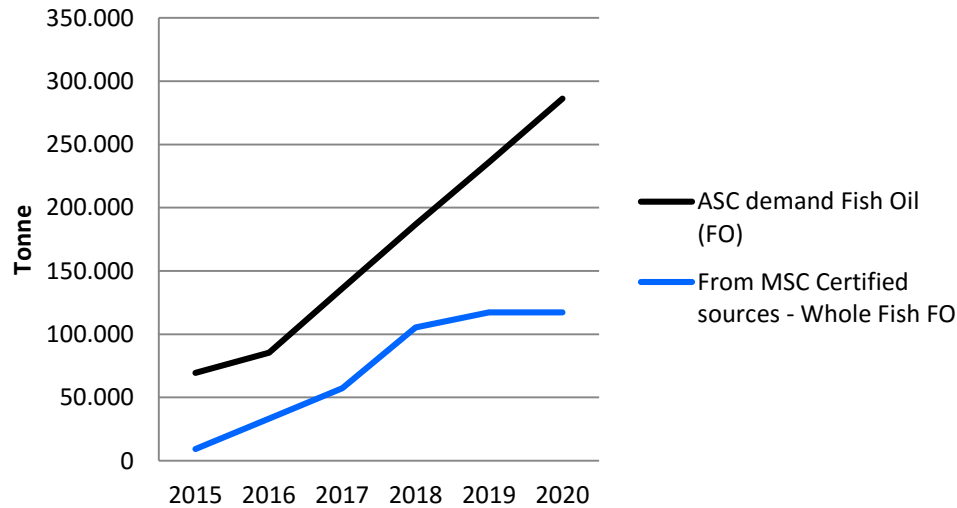
ASC demand FM vs. IFFO-compliant sources FM



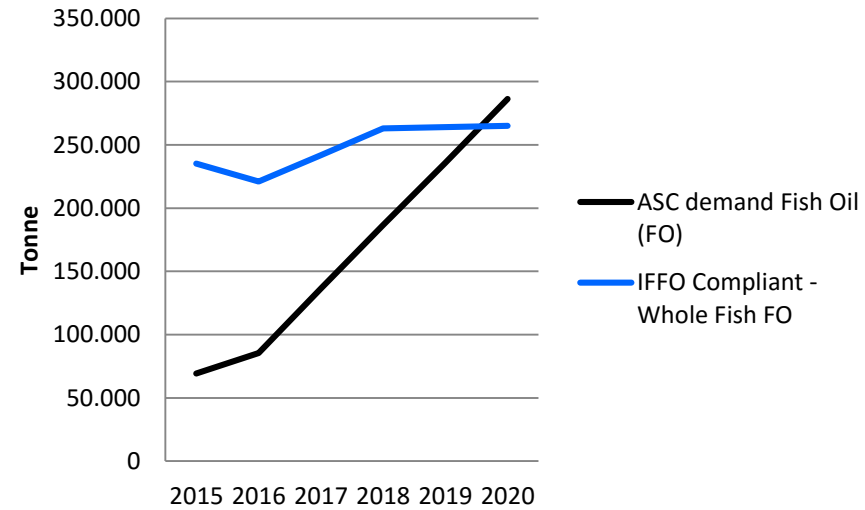
ASCs' Fish oil supply & demand



ASC demand FO vs. MSC-certified sources FO



ASC demand FO vs. IFFO-compliant sources FO



Marine Ingredients requirements



- Main challenge:
 - Geographic differences in fishery performance & available compliant FM/FO-volumes
 - Traceability challenges in various steps in the supply chain
 - Aligning approach with the key stakeholders to optimize effectiveness & impact
- Model that creates a realistic pathway for fisheries to comply to and over time achieve MSC, or equivalent, certification

STAKEHOLDER INPUT REQUESTED DURING 2ND PUBLIC CONSULTATION ROUND



Terrestrial Plant Ingredients requirements



- Main challenge:
 - many issues to address in a broad range of crops while facing a limited choice of sustainability solutions.
- Proposed model: setting benchmark requirements for agricultural schemes to be (independently) benchmarked against

STAKEHOLDER INPUT REQUESTED DURING 2ND PUBLIC CONSULTATION ROUND



Terrestrial Animal Ingredients



- Main challenge:
 - many issues to address in a (very) long supply chain while facing a limited choice of sustainability solutions.
- Proposed model: setting requirements for the rendering facility to comply to.

STAKEHOLDER INPUT REQUESTED DURING 2ND PUBLIC CONSULTATION ROUND



Feed Standard: Get involved!

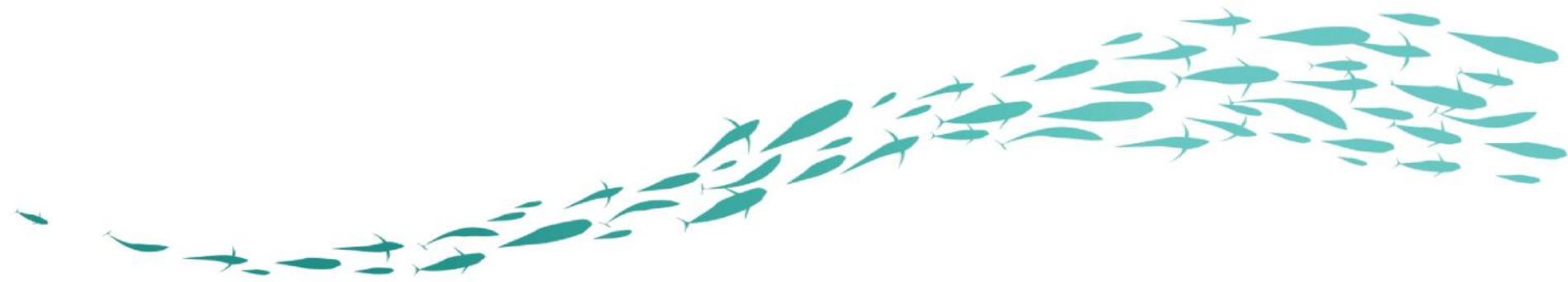


1. Provide feedback on Draft v2.0 once released

- ✓ Relevant stakeholders: feed producers, farms, ingredient suppliers/producers, (e/s)NGO's, retail
- ✓ Register: michiel.fransen@asc-aqua.org

2. Participate (feed mills & suppliers) in pilots once ready for testing

- ✓ Relevant stakeholder: feed producers
- ✓ Register: michiel.fransen@asc-aqua.org





Thank you!



www.asc-aqua.org



Aquaculture Stewardship Council



@ASC_aqua