Technical Update

21st October 2020 IFFO Members' Webinar

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Regulation - Antioxidants

- Antioxidants and their use one of the most important issues for fishmeal industry;
- Regulated across the world under different feed and food legislation;
- However, the principle driver for the focus on antioxidants comes from EU legislation;
- Key text is: EU Regulation 1831/2003;
- Relates to feed additives use for animal nutrition;
- Has an application process for approval (authorization) of all feed additives, including antioxidants, based on safety for the consumer, farmed animals and the environment.

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EU – Authorisation process (for Feed Additives)

European Food Safety Authority

- *"An application for an authorisation …. sent to the Commission. The Commission shall without delay inform the Member States and forward the application to the European Food Safety Authority"*
- EFSA, as the European Commission's scientific advisor, is a key player in the procedure of authorization/reauthorisation
- EFSA provides an opinion on a proposed feed additive, within 6 months of receiving application
- Regulation 1831/2003 also brought in a programme of review of authorisations on a regular (10-year) basis
- The current position with ethoxyquin is driven by this review process
- Ethoxyquin is still being assessed (although its use in the EU is not currently permitted)

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Ethoxyquin – Current position

- In principle, all missing information has been submitted to EFSA and the revised Scientific Opinion should be available in first half 2021
- EFSA Scientific Opinions are usually public documents
- Decision before end of 2021 may be possible
- EFSA may yet ask for more information
- European Commission may seek to lengthen the period of the suspension of authorisation of ethoxyquin until end of 2022 to allow for provision of more data, and decision

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Ethoxyquin – Current position

- Regulation of residues currently undertaken by Member States
- Final decision by the European Commission will provide clarity in how residues will be regulated (for a “no” decision) or how concentrations will be regulated (for a “yes” decision).
- Therefore, the position on ethoxyquin’s reauthorisation in the EU is yet to be decided.
- Key component is the regulation of p-Phenetidine - the Joint Research Centre and the EU Reference Laboratory are working on an analytical method for analysis.
- Thanks to IFFO members who have helped to provide fishmeal samples in support of this work.

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Ethoxyquin – Elsewhere

- Administrations in other countries are interested in what is happening within the EU process for ethoxyquin
- Most are waiting to see the outcome, but…
- Some already changing their own national regulations
- Complex scenario (before final decision in the EU)

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Regulation – Butylated Hydroxytoluene (BHT)

- Similarly to ethoxyquin, BHT is also within a reauthorisation process
- Same procedure applies (assessment of safety based on scientific evidence and review)
- Applicant provided data to EFSA already
- Scientific Opinion draft is still not yet complete
- Estimated ready end of October
- Process has been Covid affected – delays with some of the lab work being undertaken by the EU Reference Laboratory

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Regulation – Butylated Hydroxytoluene (BHT)

- Next steps will be: EFSA panel (FEEDAP) vote on SO possibly at November meeting, more likely January?
- SO then to be published
- European Commission reviews SO and decides on reauthorization
- Timeline later in 2021 for decision?

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Regulation – Dioxins (EU)

- EFSA Scientific Opinion November 2018
- European Commission revising maximum limits (MLs) on products including FMFO
- Early proposal for reductions of MLs (ng/kg = ppt):
  - Fish oil from 5.0ppt to 2.5ppt (parts per trillion)
  - Fish products (i.e. fishmeal) from 1.25ppt to 0.75ppt
  - Fish protein hydrolysate from 1.75ppt to 1.25ppt

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Regulation – Dioxins (EU)

- EC still working on proposal – not yet agreed/decided where final limits will sit
- EC seem to be undertaking a regulatory impact assessment, and EFSA has been surveying data over 2019 and 2020
- IFFO surveyed members for data in 2019/20 and have provided these into EFSA
- At this stage there doesn't seem to have been movement on the regulatory side as the EC are reviewing the approach
- **<u>Watching brief (important issue)</u>**

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Projects

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Projects - Antioxidants

- Work stalled due to Covid
- Restarting Q4
- Laboratory work analysing new antioxidant samples with fishmeal, in partnership with ITP in Peru
- Collaboration with SNP
- Output is proposal for refined protocol for IMO-relevant data from fishmeal trials
- Tabled paper to the UN-TDG for discussion at the next meeting (November 30th) and for feedback
- Should help to reduce some costs of future work, if approved

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IFFO Project | Feeding the world: Science paper

Objectives:

- Produce a high impact paper that will present some accurate information about environmental impacts of aquatic vs terrestrial protein;
- Work with top international scientists in the field of environmental impacts of food production;
- Highlight the FMFO role in global protein production (and comparatively low environmental impacts in relation to biodiversity) and further disseminate the work.

- Paper manuscript completed, entitled: “Biodiversity and land-use impacts from changing diets and restricting fishing”;
- Now submitted to journal – awaiting decision on publication
- Very theoretical: Looks at impacts on biodiversity if marine protein production had to be replaced with terrestrial crops
- Should be a key paper once published

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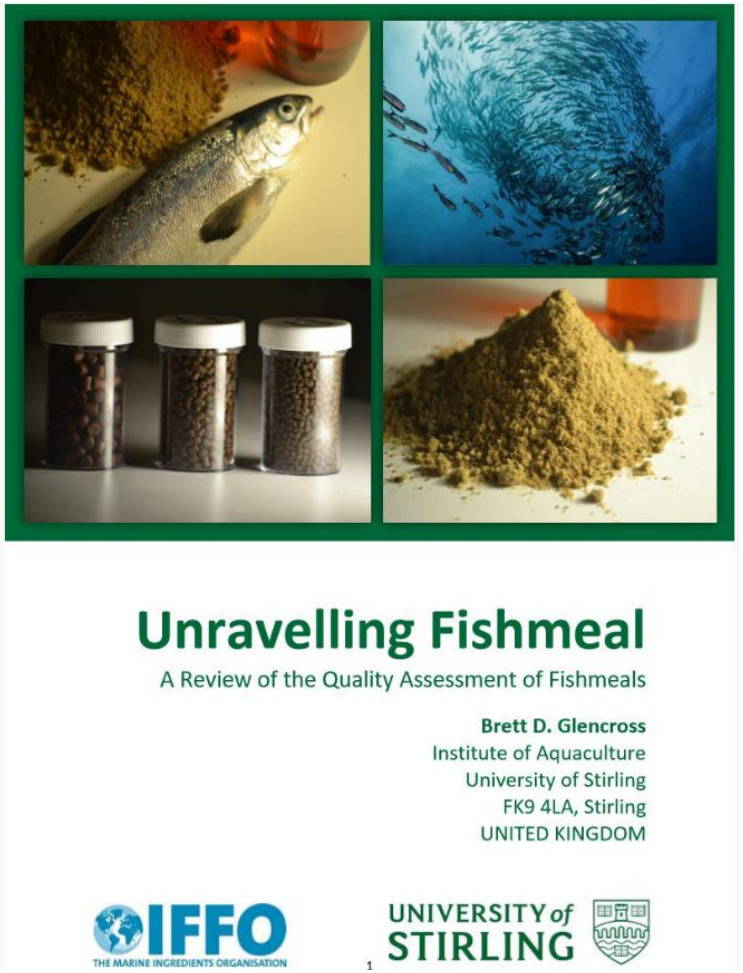
IFFO Project | Fishmeal Quality & Importance for animal & aquafeed

- Project completed;
- Literature Review produced as a deliverable;
- Final report;
- Based on analysis of 26 samples originally;
- An additional 17 samples in process of analysis;
- Analysis based on use of NIRS technology (calibrated against wet chemistry).



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IFFO Project

Fishmeal Quality & Atlantic salmon nutrition

- Phase II took a sub-sample of test fishmeals and used these as the basis for a salmon nutrition study
- Range of fishmeal samples made into different feeds and salmon performance (growth) assessed over a defined period
- Data still being analysed
- Some delays due to Covid
- Report due by 31/12/2020

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Other activities - MIS

- Data refresh in system
- Higher degree of granularity in analysis
- Focus on key species/regions/countries
- More detail on emerging markets (e.g. petfood) and mature markets (e.g. salmon)

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Other activities - GlobalGap

- GlobalGap – Feed Focus Group
- Revising their Compound Feed Manufacturing standard CFM into v3.0
- Focus on FMFO use
- Attention provided to sustainability
- Separate discussions on fisheries, soya, and also complementary ingredients
- Draft revised standard to go to public consultation late 2020/early 2021

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Questions?

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Thank you
for your attention

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