The European fishfeed producers constant push for innovation and sustainability in aquaculture: what lies ahead?

Alexander Döring,
FEFAC Secretary General

Challenges and Potential for freshwater Aquaculture
Joint workshop organized by the Romanian Presidency of the EU Council and European Committee of Regions
FEFAC in a nutshell

- Created in 1959
- Represents industrial compound feed and premixtures manufacturers
- 33 Members:
  - 23 Member Associations from 23 EU Member States
  - 2 Observer Members (Serbia, Russia)
  - 7 Associate Members (Turkey, Switzerland, Norway (3), EMFEMA, EFFPA
- 161 mio. t of industrial compound feed in EU-28 in 2018
- 7 Technical Committees to assist the FEFAC Council
  - Animal Nutrition
  - Industrial Compound Feed Production
  - Premix & Mineral Feed
  - Feed Safety Management
  - **Fish Feed**
  - Milk Replacers
  - Sustainability

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Feed safety management capacity building

Co-operation between control authorities & industry operators

Preservation of animal health to reduce need for antibiotics

Facilitate responsible sourcing

Accommodate animal welfare demands

Risk management optimisation along the feed chain

Measure the environmental performance of feed production

Improve the quality & nutritional value of food products

Increasing nutrient efficiency

Develop new resource efficiency indicators

THE FEFAC 2030 Animal Feed Industry Vision

Feed Safety Management

Animal Nutrition

Sustainability

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Main raw materials used in salmonid feed production (incl. trout)

Vegetable raw materials

Processed Animal Proteins (incl. insect meal)

Marine raw materials

Additives
Major changes in raw material usage
Fish In – Fish Out Ratio (FIFO) – Net producer of fish in 2017

FIFO ratio = (Level of fishmeal in diet + Level of fish oil in the diet) x FCR
Yield of fishmeal from wild fish + Yield of fish oil from wild fish

1995: 3.85
2000: 3.61
2005: 2.37
2010: 1.82
2015: 1.25
2017: 0.94

-6%

IFFO view on calculation

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Why did we change composition

• Price, competition, volatility
• Availability
• Sustainability
• Certification (ASC)
• Knowledge created via R&D.
  – That’s the “real” competition
• Cannot be dependent on a limited resource with huge variability in price and availability.

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EU sustainability policy framework and FEFAC action plan

- COP 21
- EC action plan on deforestation
- Single Market for green products
- CAP post 2020
- Circular Economy

Feed PEFCR
Global Feed LCA Institute
FEFAC roadmap on responsible soy
Guidelines on use of former foodstuffs

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FEFAC’s response to policy drivers

- Harmonized environmental footprinting methodology, EU PEFCR (April 2018) helps strengthen credibility and establish a level playing field.
- Development of EU PEF /GFLI LCA database to enable transparent monitoring and demonstrate continuous improvement on reducing climate change impacts
- New Aquaculture EU PEF pilot in the pipeline including LCA datasets for marine ingredients
- FEFAC responsible soy sourcing guidelines

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“Without data, you’re just another person with an opinion”

W. Edward Deming
Conclusion

- FEFAC Fishfeed Committee fully aligned with CFP chapter Aquaculture goals on sustainable fishfeed
- Supports AAC discussion paper on level playing field for EU Aquaculture and sustainable fishfeed/FIFO (tbc)
- Reduced dependency of marine raw materials
- Documented Sustainability parameters will be part of our future
- Fishfeed at research forefront of testing/using additional protein sources (PAP, insect meal, SCP, algae etc)

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Thanks for your attention

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