



Benefits of krill meal inclusion towards better utilization of nutrients and growth in gilthead seabream juveniles

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KNOWLEDGE NEED

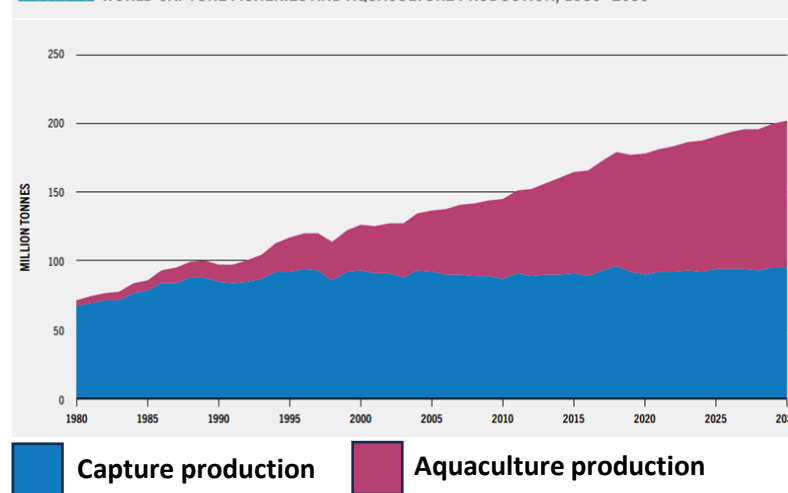
FEEDS ARE A BOTTLENECK FOR AQUACULTURE PRODUCTION



- The essential part of Aquaculture
- The most expensive part: 60%-70% of production cost
- **Urgent need for sustainable feeds** with:
 - Reduced FCR
 - Reduced carbon footprint
 - Improved growth & health of fish
 - Reduced use of terrestrial ingredients

NEED FOR SUSTAINABLE & FUNCTIONAL ALTERNATIVE RAW MATERIALS

FIGURE 70 WORLD CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 1980–2030



Capture production

Aquaculture production

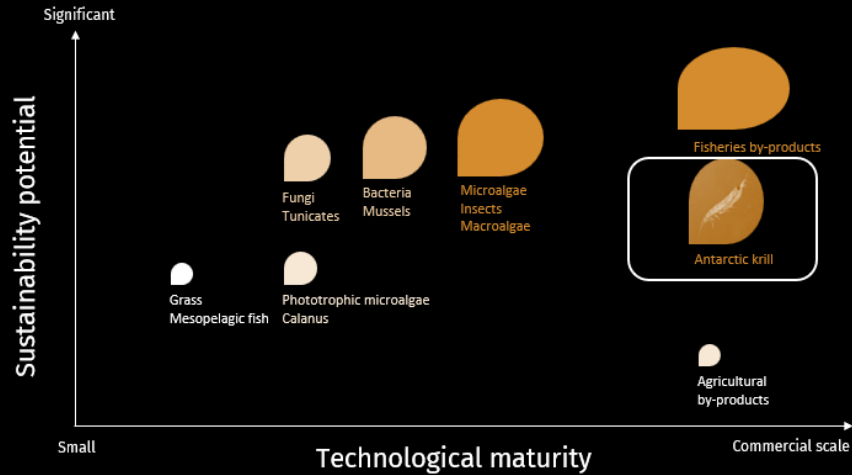
2020 → 2030
178 mill tonnes → 202 mill tonnes

14% increase by 2030

The State of World Fisheries and Aquaculture 2022. Graphic excludes aquatic mammals, crocodiles, alligators, caimans and algae. Data expressed in live weight equivalent. SOURCE:FAO

SOLUTION (RESULT)

CURRENT SCENARIO



ULPGC
Universidad de
Las Palmas de
Gran Canaria



Krill meal inclusion in diets for gilthead seabream juveniles



Krill meal (5 & 7% inclusion) led to:

- Better growth
- Better FCR
- Better utilization of nutrients (lipid & protein)

In comparison to conventional control



TARGET MARKET

Feed Producers



Improved FCR with KM

- Less feed needed
- Reduced cost
- Reduced carbon emission
- Reduced wastage from feed

Fish Farmers



Improved FCR and growth with KM

- Robust fish
- Better welfare
- Reduced carbon emission
- Reduced cost

IMPACT

Improved FCR

Get more with less



Better utilization of fat and protein

Could compensate for the lack of nutrients in other ingredients of diets

Better growth



Healthy fish



Healthy consumer



Healthy planet



AQUA EXCEL

AQUAculture infrastructures
for EXCELlence in European
fish research 3.0



AKER BIOMARINE

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Thank you!

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