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ARRAINA aims at developing sustainable aquafeeds with low levels of FM & FO using alternative plant protein and lipid sources and analysing the consequences







Studies on five major species of fish with different biological cycles

Improved knowledge on nutrient requirements Novel nutrient delivery vectors Long-term trials with low FM/FO feeds Ensure growth, physiological well-being, health of fish Ensure nutritional value, quality and food safety

Prepare fish for the future ?







Knowledge

Consolidated nutrient requirement database Confer flexibility in choice of feedstuffs Assess Products / Animal : Predictive tools / Biomarkers

Prepare the fish for the future : Nutritional programming ?

Practice

consortium of 10 RTD & 11 industry / SMEs feed companies, producers, environment, certification Societal issues: CFP, ensure sustainable seafood production, environment

Strengthen skills and competence towards sustainable Blue Growth Training courses, booklets, innovation workshops









Outputs to industry / sector

Filters panel: Choose a nutrient and/or a biological process

Biomarkers

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Biological process	

Tools / biomarkers for assessing physiological status

About the project

Help

Login

Specific Microinutrient mix for Novel feeds

Web-based tool to assess environmental impacts of feeds

Validated through a "Proof of Concept" challenge





wastEst – a modeling tool to compare the environmental impact of different fish feed formulations