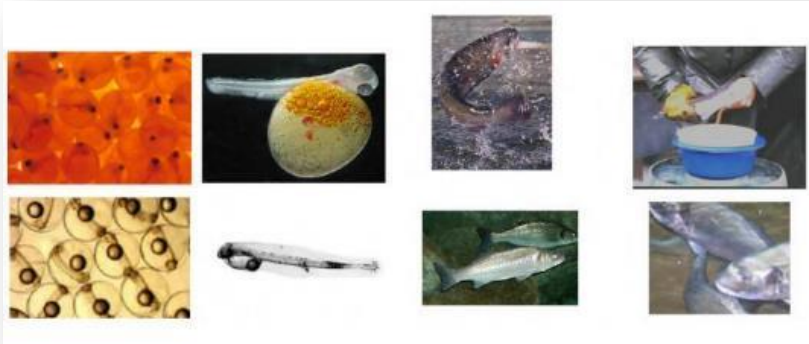




BIOECONOMY INVESTMENT SUMMIT
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Brussels

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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

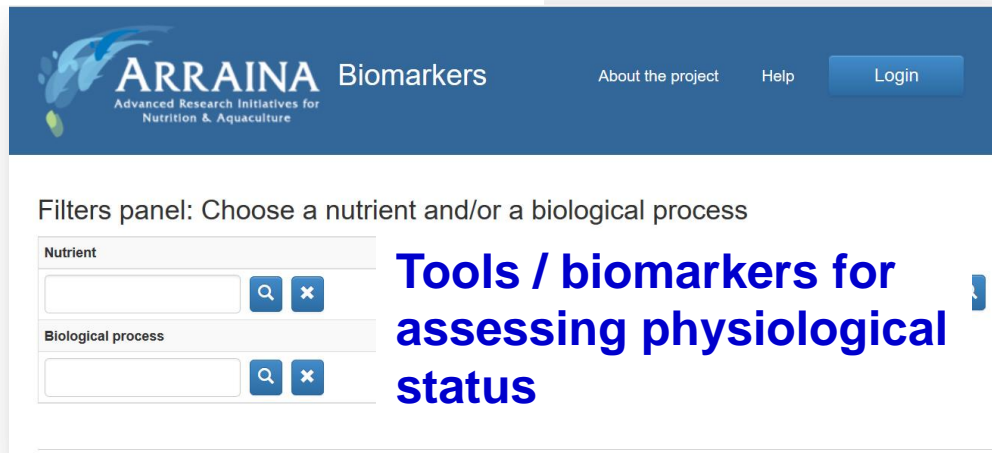
feed companies, producers, environment, certification

Societal issues: CFP, ensure sustainable seafood production, environment

Strengthen skills and competence towards sustainable Blue Growth

Training courses, booklets, innovation workshops





ARRAINA Biomarkers
Advanced Research Initiatives for
Nutrition & Aquaculture

About the project Help Login

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

Nutrient

Biological process

**Tools / biomarkers for
assessing physiological
status**



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

Outputs to industry / sector

Specific Microinutrient mix for Novel feeds

Web-based tool to assess environmental impacts of feeds

Validated through a “Proof of Concept” challenge