

HATCHTOOLS/E!1575

Feeding optimization tools for precision hatchery management

Aim of the Project

HATCHTOOLS aims to launch a new IT solution to support aquaculture hatchery managers in defining optimal feeding strategies.

Challenges

-  Feed costs represent a large proportion of operational costs → **critical activity within a aquaculture hatchery operation**
-  Feeding planning and management often include many uncertainties → **which leads to sub-optimal production performance**
-  Most feeding strategies are based on trial and error → **often based on the perception of the operational team**

Scientific Background

HATCHTOOLS will be developed based on empirical data generated in experimental contexts during the project, and over the past years by the consortium members, and will include mathematical models and data analysis tools that have been developed by SPAROS based on scientific knowledge on fish nutrition.

Impact

With HATCHTOOLS system, the hatchery personnel can have a trustworthy guide for setting daily feed quantities. Furthermore, hatchery managers can generate the theoretical estimates for their production conditions to benchmark their production data, and obtain a complementary analysis to identify reasons for deviations.

Project Coordinator

Filipe Soares (SPAROS)
filipesoares@sparos.pt

Project partners and Countries

- SPAROS (Portugal) - Leader
- FLATLANTIC (Portugal)
- OTTER FERRY SEAFISH (United Kingdom)



Project Budget

- 986,244.00€

Project Timeline

- November 2022 – January 2025

