

EarlyCOD/E!219

Early feeding of cod combining cryoplankton and microfeeds to improve fish performance and quality

Aim of the Project

To develop a novel aquafeed protocol that combines cryopreserved plankton and microfeeds to enhance growth, survival, and quality of cod larvae and juveniles. This approach aims at shortening the live feed phase, reduce mortality and stress, and improve overall juvenile cod quality while lowering production costs.

Challenges

Cod aquaculture faces significant challenges due to the sensitivity of larvae to traditional feeding methods, which can lead to high mortality rates and poor juvenile quality. The reliance on live feeds, which are costly and logistically complex, exacerbates these issues. EarlyCOD seeks to address these challenges by introducing an integrated feeding protocol that combines the nutritional benefits of cryopreserved plankton and specialized microfeeds tailor-made for cod larvae.

Scientific Background

The project leverages advanced cryopreservation techniques and microfeed technology to deliver nutrients more effectively to cod larvae, surpassing the limitations of conventional aquafeeds.

Impact

EarlyCOD is poised to transform cod farming by significantly improving larval survival & growth rates and juvenile quality. By reducing dependency on traditional live feeds, the project will lower hatchery costs and overall environmental impact. The novel nutritional solutions will also allow a more stable and sustainable supply chain for cod, benefiting the aquaculture industry at large.

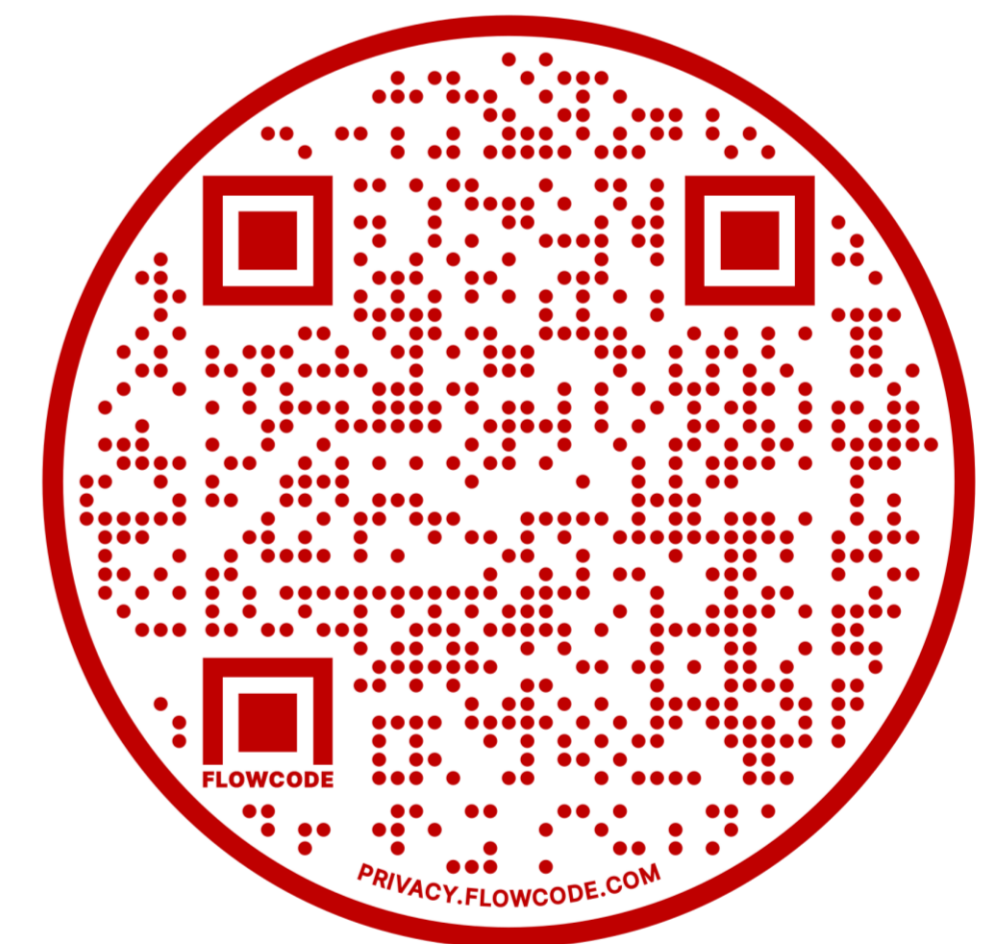
Project Coordinator

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Project partners and Countries

- Sparos (Portugal) - Leader
- Planktonic AS (Norway)
- CIIMAR (Portugal)

EARLYCOD



Project Budget

- €1,377,783

Project Timeline

- May 2022 - April 2025 (36 months)

