EPPO - THE PORTUGUESE MARINE AQUACULTURE RESEARCH FACILITY



Aquaculture Research Station

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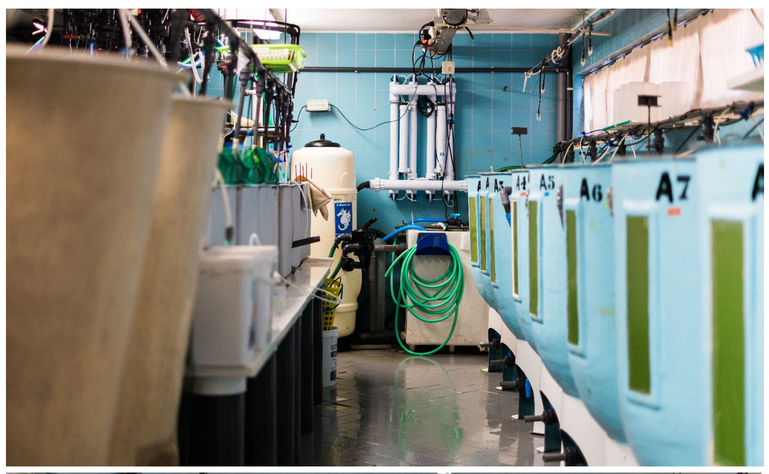
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The Portuguese Institute for the Ocean and Atmosphere (IPMA) is a public research institute that advises national authorities on oceanic and atmosphere matters. IPMA has a strong cluster of expertise in ocean and marine resource research, namely in aquaculture and fisheries.

The Aquaculture Research Station of Olhão (EPPO) stands out for the unique experimental conditions on aquaculture and is available for collaborative projects and training.

Infrastructures and Circuits











More than 250 tanks

Marine fish Hatchery

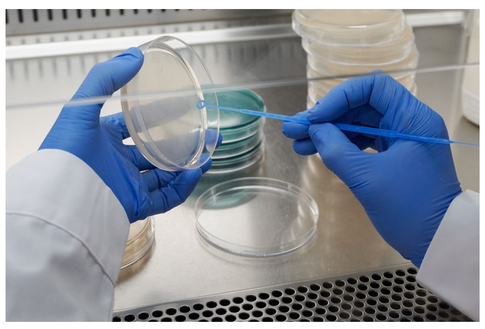
Life feed production

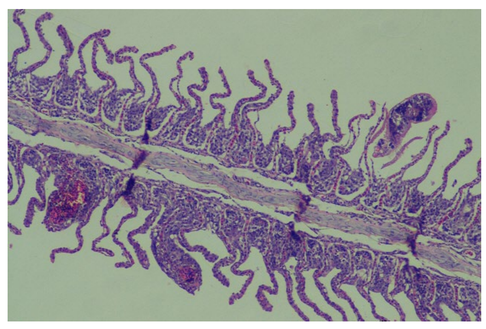
Different rearing circuits

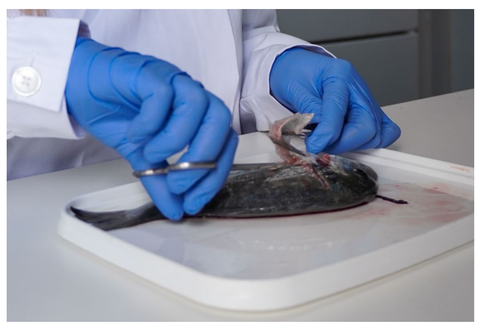
Challenge area

Experimental rearing systems











ANALYTICAL CAPACITY

- Biochemistry
- Histology
- Microbiology
- Fish pathology
- Molecular techniques
- Hematology
- Immunology

BROODSTOCK

Broodstock management;

Reproduction control;

Selection breeding programs;

Parental contribution.

LARVAE & JUVENILES

Develop/optimize rearing protocols;

Impact of early nutritional manipulation on later stages of development;

Use of new and sustainable ingredient for fish diets.

ON-GROWING

Optimize earth ponds management;

Promote sustainable and environmentally friendly practices;

Systems engineering and energetic efficiency.

CULTIVATION SYSTEMS

Onshore/Offshore;

Semi-intensive;

Intensive – RAS;

IMTA.

Challenge Area

- Identify bio-indicators for quality
- Feeding optimization & Nutrition requirements (essential fatty acids, minerals,…)
- Promote welfare, improve and enhance response to diseases
- Integrated analyses (structural, physiological, functional genomics, proteomics, etc)

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