



AquaBioTech Group

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GIS & Remote Sensing Services

The **AquaBioTech Group** is an international consulting company strategically located in the very centre of the Mediterranean on the island of Malta, although operating globally on a variety of aquaculture & fisheries projects with regional offices in Athens, Greece and Jeddah, Saudi Arabia.

All of the company's work is focused on the marine and aquatic environment, although varying from aquaculture developments, market research / market intelligence, through to project feasibility assessments, finance acquisition, management and technology sourcing / transfers.

GIS AND REMOTE SENSING

Sustainable aquaculture requires a suitable aquaculture resource allocation system. Geographic Information Systems (GIS) is an appropriate tool to implement in a flexible planning approach to facilitate resource allocation. This is because it incorporates physical, biological and economic parameters into specialized analyses. GIS is a useful tool for Aquaculture and Fisheries due to the spatial nature of the factors involved with fisheries operations & aquaculture development. GIS provides a support aid to managers built up with the outputs from the GIS, and perhaps other related material. It also allows managers to have a glimpse at opportunities for potential expansion of aquaculture sites and improvement of existing operations.

AQUACULTURE PROJECT PLANNING

Remote sensing combined with GIS provides a visual assessment of site conditions. Site suitability and proximity analysis could be easily conducted using GIS as a tool. We can offer our clients an effective, sustainable detailed project planning for an aquaculture project by combining our expert knowledge of aquaculture with GIS and Remote Sensing. With our extensive experience in this field we are able to offer a complete knowledge based package to use as a tool in providing support for baseline audits and property transactions.

EIA AND ENVIRONMENTAL MONITORING

EIA require reports of potential impacts of proposed activities. By utilizing GIS modelling tools, potential impacts can be predicted and included in the management and monitoring programs. GIS and remote sensing could be used in perspective of environmental monitoring for Land use / Land cover analysis, wetland assessment and habitat mapping. GIS is also often used to organise and present spatial data in a way that allows effective environmental management planning. Modelling hypothetical outputs from actual inputs is a useful tool that can aid decision makers by predicting future impacts.

A few of the GIS services the **AquaBioTech Group** can offer to different organizations to achieve their environmental goals include:

- Image processing, interpretation and remote sensing
- Programming and application development
- Database development and maintenance
- Field data collection and mapping

Providing **EXCELLENCE** through **INNOVATION** and **QUALITY**