

## The NORGHATI project

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# Development of tilapia aquaculture in Ghana

Use «Fish for Development» as a tool for creating a sustainable commercial flagship in Africa — Successful fish culture for meeting local demands

## **Background**

- Ghana has tradition, need and marked for fish
- Large water resources for aquaculture
- Organized and developed society
- Good economic and market aspects
- Good base for success story
- Can serve as locomotive and example
- Potential market for Norwegian suppliers



### **Purpose**

- Assist in introducing new technology in tilapia farming in Ghana
- Create a success story of tilapia production in Ghana which meets the needs of societal, economic and environmental sustainable aquaculture production
- This should meet local need and simultaneously serve as locomotive for a aquaculture development in the region and in Africa



## **Project components**

- Education
- Mass production of seed, selective breeding
- Feed and feeding
- Grow out production systems
- Fish health services
- Regulatory framework, Licensing, low enforcement
- Harvest systems
- Operational equipment
- Dissemination to other countries and regions in Africa

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## Work packages

- Seed fish of genetically improved stock
- Know how transfer and education of farmers
- Quality feed and feeding
- Veterinary services and fish health management
- Regulation and licensing
- Public relation activities
- Project coordination

### Improved seed fish production

- Meet demand for seed fish
- Capacity
- Build a system for genetically improved stock
- Disease free
- Well nourished

#### **Education**

- Emphasize education and training on technical farming level.
- Integration with existing education.
- Develop textbook on technical level for use in training courses for fish farmers (can be common for all relevant projects in Africa).
- Facilitate exchange on relevant educational levels and topics

#### **Quality feed and feeding**

- Proper benchmarking of existing alternative commercial feeds and a reference
- Evaluate suitability of national ingredient sources
- Develop feed which suits the fish genetic material and performance level
- Focus on fish health and welfare
- Food safety

## Veterinary services and fish health management

- Laboratory capacity
- Relevant services
- Health management systems

#### Regulation and licensing

- Strategic plan development for aquaculture
- Create a regulation system for sustainable aquaculture
- Create a relevant licensing system
- Environmental monitoring
- Law enforcement

## Public relation activities & Project coordination

- Inform the public about the project
- TV reports
- Newspaper report
- News to aqua-culturists, suppliers and investors
- Coordination and balancing of work packages and activities in the project in relation to importance of bottlenecks



## Thank you for your attention

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