SHRIMPS: Developments of new standard-modules

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Introduction

• Aquaculture is the fastest-growing form of food production in the world.
• Shrimp dominate aquaculture production by value, consequently shrimp aquaculture is one of the fastest-growing forms of aquaculture.
Major concerns

- Wetland, mangroves and coastal area affected.
- Introduction of species into new areas.
- Water pollution in coastal areas
- Depletion of fish stocks uses for feed.
- Food Safety
- Social issues.

Better management practices

- The most effective strategies will be those that address directly to minimize the impacts previously described.
- One way to improve the overall performance of the industry is to develop a BPM-based third-party certification program for shrimp aquaculture.
- Most of the certification programs for products requires that producers obey all relevant local laws. These could be strengthened by international consumer of the products through third party programs that requires compliance as a condition of shrimp certification.
Production and Export

- Around 90 tons of shrimp were exported from Americas to Europe in 2006.
- The main exporter is Ecuador with 70% of the total exports.
- Some countries has declined their exports to Europe due to diseases presence as Venezuela and Brazil cases.
Eurepgap IAA, in its latest version, discussed in December 2006 in Holland, includes in the Integrated Farm Assurance, all the International Principles for Responsible Shrimp Farm develop by FAO, NACA, UNEP, WB, and WWF in 2006. Those can be apply to any kind of aquaculture:

### International Principles

1. Farm Siting  
2. Farm Design  
3. Water Use  
4. Broodstock and Postlarvae  
5. Feed Management  
6. Health Management  
7. Food Safety  
8. Social Responsibility
**Shrimp module**

- Eurepgap shrimp module has 27 control points, of which 20 are major must, 2 minor must and 5 recommended, and covers:
  - Hatcheries
  - Brood-stock sources
  - Nauplii and post larvae sources
  - Hatchery water supply
  - Husbandry on farm
  - Hygiene and pest control
  - Shrimp feed
  - Harvesting
  - Method of packing/dispatch

**The future**

- As Aquaculture will continue growing and there are other species that are produced and exported to Europe, will be necessary to develop modules for those species as:
  - Tilapia, that its demand is growing fast, and there are some concerns about their production and food safety.
  - Mollusks, on which quality water is the key issue on those species.
Thank you