

Summary of Participant Comments on Relevant Indicators Proposed by the Working Group at the Workshop in Madagascar on June 3 and 4, 2008

Oxygen

- Indicator accepted
- What about pH?
- What about chlorophyll a?
- Standard: 3 ppm
- Crisis length: establish a tolerance
- Debate on phytoplankton concentration and delta oxygen
- Indicator retained unanimously with the minimum value. No proposal for delta
- Participants emphasized the importance of this indicator

Water Renewal

- Relationship with biomass, no renewal in intermediate grow-out
- To be considered at a farm-wide level and not just at the pond level
- Relevance called into question
- Indicator not validated at this stage

Critical Biomass

- Madagascan law imposes a 250 g limit
- Consensus on the need to set limits, the goal being the well-being of the shrimp and the pond
- Is it an indicator? Isn't everything tied to this indicator?
- The indicator was accepted in principle but the standard remains to be defined

Survival

- A good indicator
- Intermediate grow-out taken into account
- Indicator retained

Feed Conversion Ratio (FCR)

- To be presented differently, notably with the integration of seasonality and the marketing strategy
- FCR to be linked with impact philosophy or market configuration?
- Indicators retained. Standard difficult to establish because of the different strategies

Fish Feed Equivalent Ratio (FFER)

- Meal traceability
- What about other marine feed?
- Certification project for industrial fisheries currently under way
- Indicator retained

Feed Quality

- GMOs banned in Madagascar
- Other plant raw materials?

Energy / Biomass Ratio (EB)

- Proposal to integrate energy consumption into this indicator by including the packing plant. WWF reminds of the limitations of the project targeting breeding farms
- Producing 8,000 tons of shrimp requires 13,000 m³ of fuel in the conditions in Madagascar
- What about the carbon budget?
- Indicator retained on principle

Quantity of Nitrogenous Waste (QN)

- Madagascan legislation constraint with a national monitoring plan: impact study and annual measurements
- Environmental relevance
- Indicator being discussed

Labile Organic Matter (LOM)

- No comment. Requires more thought

Secchi

- Complicated in cases where turbidity is mainly mineral
- Parameter to be combined with delta oxygen
- Questionable environmental relevance