

ECASA WP 3

Annotated sheet for indicators related to the impact of the environment on aquaculture

1- Name of indicator

PRODUCTION

Production by other farms using the same species at distance <2km

2- Related source of pressure

Diseases and parasites

3- List of data / parameters required for computation.

Aquaculture production data

4- Description of scientific meaning, references

Diseases and parasites is an important issue for aquaculture welfare and has been identified as a significant source of damage which in most cases stems from aquaculture practices themselves. This is even worsening partly due to management of individual farms (e.g. stocking density, health management, use of prophylactic measures etc.) and partly due to environmental issues, such as quality of the ambient water, and proximity to other aquaculture farms.

In areas where aquaculture farms of the same species coexist (distance between farms < 2km) the possibility of an infection increases with increasing production. Therefore, production of the farms can be used for estimating the probability of an infection event to occur