

FineFish PEPITe Training Programme – Paris 16th-17th June 2009

How to use the FineFish web portal to import monitoring data and how to use data mining tools – hands-on practical training.

Tuesday 16th of June

9.30 – 10.45

Module 1:

Building up the farm profile (model) and uploading production data (data monitoring and batch tracking) and/or laboratory results

- Word of welcome and small Introduction to FineFish

- Introduction to the data mining process for malformation incidence understanding and improvement
 - Understanding the key business issues
 - KPI – Key performance indicators: definition and practical evaluation
 - Defining the data to be collected
 - Develop system to collect and archive data
 - Analyse historical data and validate results with experts

10.45 – 11.00 coffee break

11.00 – 13.00

- Building up the farm profile (model) and uploading production data PM (90 min)
 - General description of the web based data collection system
 - How to set up a farm in the system
 - How to enter monitoring data of a production cycle
 - How to track batches
 - How to extract data from the system

13.00 – 14.30 lunch

14.30 – 16.00

- LABORATORY
 - Exercises

16.00 – 16.15 coffee break

16.15 – 18.00

- LABORATORY
 - Exercises

Wednesday 17th of June

9.00 – 10.30

Module 2:

Data mining : the process and the tools available; applications in fish farming

- The PEPITo Software to analyse production data
 - How to install and set up PEPITo
 - How to load data in the data mining tool from the online database
 - How to select and filter data

10.30 – 10.45 coffee break

- Analysing data with PEPITo
 - Descriptive analysis of data (histograms, scatter plots...)
 - Predictive analysis of data (Classification, regression, clustering...)
 - How to identify trends and how to detect correlation between parameters
 - How to use root cause analysis

12.00 – 13.00 lunch

13.00 – 15.00

Module 3:

Data analysis and knowledge extraction from production and/or laboratory results

- LABORATORY
 - Exercises

15.00 – 15.15 coffee break

15.15 – 17.00

- Feedback from the participants
 - Define a roadmap for future development
 - Improving the PEPITe system
 - Usability
 - Integration with different data sources
 - And more...