



AQUAEXCEL

AQUAculture infrastructures for EXCELlence in European Fish research

Work Package 8. Upscaling and validity of research results

WP8 will address the issue of applicability of research to industry by evaluating the effects of the scale of experiments, through joint implementation of empirical studies and modelling. Its results will be a masterpiece to evaluate the match between infrastructures and research needs in WP2.

WP8 goal is to determine the effects of the physical scale of experimental units used in aquaculture research, on fish and biofilter performance.

Sub-objectives:

- ❖ To create a simulation model (model 1) of factors in the experimental environment that change when experimental unit scale is varied, and how this can affect fish performance
- ❖ To determine the effect of experimental unit scale on fish performance (growth, survival)
- ❖ To create a simulation model (model 2), and determine the effects of experimental unit scale on biofilter kinetics and efficiencies
- ❖ To evaluate how accurately the model developed in sub-objective1 can predict experimental data obtained in sub-objective 2, and to refine model 1 based on these data.

Contact Details

Lead Partner:

NOFIMA MARIN

Muninbaken 9-13

9291 Tromsø

NORWAY

Tel: +47 77 62 90 00

Contact Person:

Bendik Fyhn Terjesen

6600 Sunndalsøra

NORWAY

Tel.: +47 404 57 874

Email: [bendik.terjesen\(at\)nofima.no](mailto:bendik.terjesen@nofima.no)