

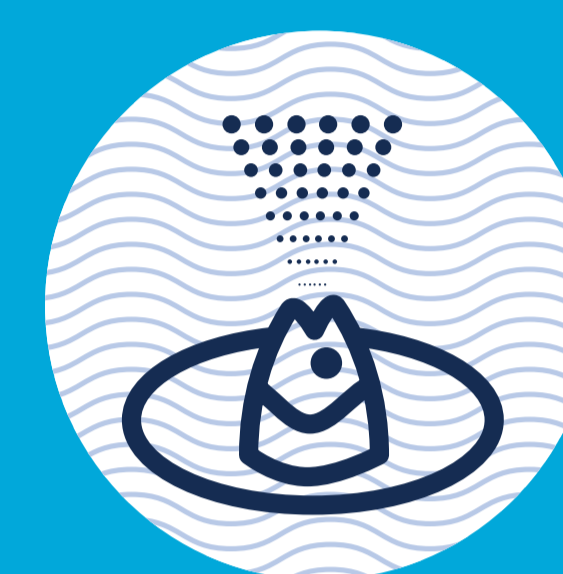


SUPPORTED BY THE EFF (European Fisheries Fund)

REDUCING WATER USE AND INCREASING PRODUCTION IN TROUT FARMING

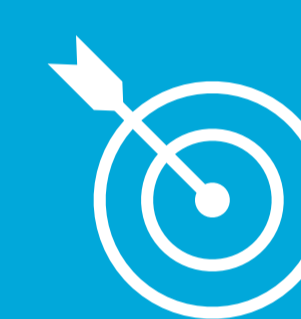
The Løvlund aquaculture farm, established in 1947, was converted and modernized to use recirculation technology. The aim of the new technology was to increase trout production while decreasing water use and emissions of waste products from the farm.

The farm's layout was changed, and investments were made in plant and equipment. Water is now sourced from a well and drainage rather than from a nearby river, allowing the damming of the river to be removed and for it to be returned to its natural state.



aquaculture

BILLUND, DENMARK



RESULTS (2011 - 2014):

- Production of trout increased by 250% from 200 tonnes per year to 700 tonnes
- Water use reduced by 80%
- Waste-water discharge reduced by 80-85%
- Emission of organic substances per tonne produced reduced to 4% of pre-investment levels
- Emission of phosphorus per tonne produced reduced to 7% of pre-investment levels



LESSONS LEARNED:

Innovation and the introduction of new technology can support production increases in aquaculture while simultaneously reducing the environmental impacts of the sector.



TOTAL OPERATION COST:

Total budget: 2 030 000 €
Union contribution: 812 000 €



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