

# A new method of water purification



## Aquamar

**FLAG technical assistance and financial support helped a creative project holder in Poland turn his idea into an innovative and profitable eco-business offering water purification services to fishermen and aquaculture farms.**

Many of the lakes in this area had lost their fish production value because of low water quality caused by eutrophication. For ten years Andrew, manager of a local aquaculture company, had tested many methods of water purification offered to him by professional companies, but he found them all too expensive and too invasive. He started to experiment with more environmentally friendly biological methods and after years of experiments invented his own method of water purification based on instilling selected species of bacteria into water in order to absorb and process organic substances. The method can be used for purification of all eutrophic lakes, making them more attractive both for recreation and maintaining fish biodiversity.

Axis 4 supported Aquamar to equip a laboratory comprising spectrophotometre, pH metre, oxygen analyzer, echo sounder and fish finder sonar. Some of these measuring devices can be mounted in a van, others on a small motorboat. The mobile laboratory provides on-site measurements and analysis necessary to plan and/or monitor water purification processes.

### BYTOW LAKE DISTRICT FLAG, POLAND

#### RESULTS (AFTER 11 MONTHS):

- > New environmentally friendly method to purify water (5-6 times cheaper than chemical methods)
- > New economic activity, with 5 water purification contracts already secured

#### SUCCESS FACTORS:

- > FLAG support & encouragement
- > Perseverance & willingness to take risk

#### TOTAL PROJECT COST: € 71 700

- > EFF Axis 4: € 26 250
- > National / Regional co-financing: € 8 750
- > Other/ Private: €36 700

#### Project promoter

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