

Brokerage Event

Food Security | Sustainable Agriculture and Forestry |
Marine, Maritime and Inland Water Research |
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Blue Growth + KET Biotechnology

Environmentally Friendly Aquaculture and Non-waste Fish Processing

Dennis Necheporenko

Research and production centre "Forel"



www.ncp-biohorizon.net

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Breeding fish

Increased capacity to work RAS using a new method (biotechnology + electrochemistry)

- Aquaculture products WITHOUT antibiotics and WITHOUT the use of disinfectants; intensive fish growth; efficient biofilter work; reduction of water costs

Fish processing

- replacement of various additives in fish products with water after electrolysis;
- wastewater treatment (electrochemistry) in order to obtain a valuable protein with a reduced load on the environment

- Safe fish products and clean wastewater

Feed

direct on-site processing of waste from cutting and protein-rich wastewater into feed for fish

- Reduced losses of food components, reduced cost of feed, improved quality of feed

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- **Expertise:** Our company has scientific developments and is an excellent demonstration platform for the implementation of projects in the field of aquaculture (including aquaponics) and fish processing.
- **Proposal objectives:** Increase the innovation and competitiveness of aquaculture businesses while solving social problems
- **Partnerships:** International Organisation for the Development of Fisheries in Eastern and Central Europe (EUROFISH); Roskilde Universitet (RUC); Kobenhavns Universitet (UCPH); Universidade de Aveiro (UAVR); Stockholms Universitet (SRC); Nacionalni Institut za Biologijo (NIB); Nofima AS (NOFIMA); Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR); Royal Society for the Protection of Nature (RSPN); Biotrend - Inovacao e engenharia em biotecnologia sa (BIOTREND); RIASEARCH Unipessoal Lda., Dezaqua Ltd.
- **Partner requirements:** Research institutes, universities, fish breeding, fish processing, feed companies, SMEs, equipment manufacturers for RAS, electrolyzers, etc.

Topics we wish to participate in

- aquaculture, breeding, feeding, animal health, zero-waste
- food production, food safety, waste, microbiome applications, microbiota, food processing, food properties, preservation, small-scale technologies
- aquaponics, plant health, pests/diseases, agriculture, forestry, multi-actor approach, plant improvement, nutrition, yield, sensory perception
- genetic resources, biodiversity, conservation, monitoring, strategy

We have a vast territory that is suitable for agriculture, crop production, etc. We also have the territory of national natural parks (category II IUCN).

Keywords: aquaculture, fish, feed, biodiversity, zero-waste

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