InnoAquaTech Newsletter April 2017

Welcome to the first InnoAquaTech newsletter in 2017! This edition covers an innovative, Polish trout farm, the first InnoAquaTech training, cross-border cooperation between partners and SMEs, presented on our 2nd partner meeting, as well as about upcoming events in the world of InnoAquaTech. Please enjoy this short update and get in contact with us!

Polish trout breeder uses air pressure to triple the production volume

The afternoon study visit was to the K2 Fish Farm, 90 minutes west of Gdynia, where we were received by Marcin Juchniewicz, the managing director of the farm, who explained how the new investments and technology make the fish farm one of the most innovative in Poland. A lot of thought was invested into the planning and construction of the new farm, which is largely automated in order to reduce the ecological impact of the production and simultaneously improve the culture conditions for the fish. The plant uses an air lift system instead of water pumps, ensuring a verticle water circulation, a continuous current of stream water, aeration and separation of faecal and food solids from the fish water via a unique underwater floor gutter system. The result is a 3-fold increase in production and the bi-products are a biological fertilizer and filtered water, that is redirected into the stream. Thus, this farm is a good example of a synergy between ecology and economy.

On-site pictures of the K2 fishfarm in Keblowo Nowowiejskie (Lebork area)

A compass for aquaculture investors

The 2nd Partner meeting took place in Gdynia at the Institute of Oceanography as part of the Univesity of Gdansk (UG). One major topic was the development of the InnoAquaTech decision-support-tool for SMEs and investors, recognized as an essential project outcome, which is growing in complexity. Hence, an internal project working group will tackle the challenge of finding the right categories and indicators for the assessments of relevant aquaculture technologies.

The next level of cross-border cooperation

The InnoAquatech project partners' collaborations are already well established. For example, the geothermal plant in Klaipeda will benefit from the research made by UG on meat quality and freshness of regionally produced whiteleg shrimp.The geothermal trials could give a new basis for commercial interest for the areas of Poland where geothermal resources are to be found. The large amount of CO_2 from the geothermal plant is of interest to plant growers and microalgae cultivation, a study subject of Danish Technological Institute. Moreover, University of Rostock is going to provide their own recipe for fish and shrimp feed, which can be modified according to the project pilots' needs. The Danish pilot phase 2 has been reoriented to highlight the subject and diversity of aquaculture in what is expected to be a mutually beneficial dissemination and demonstration showcase at Guldborgsund Zoo. This will help the project measure social acceptance and levels of comprehension regarding the subject of aquaculture and RAS in the general public.

Besides the cooperation between partners, cross-border cooperation can be found between UG and SMEs, associated to the project, such as Garnelenfarm Grevesmühlen, Germany, a producer of RAS cultivated shrimp. In return, the above-mentioned research performed by UG is focused on needs of the SME to improve their competitiveness with frozen shrimp.

Aquaculture enthusiasts came together in Tricity

The first professional training for innovative aquaculture solutions was held on the 29th March at the University of Gdansk in Gdynia, where the project partners gave presentations of their pilots to the Polish companies and organisations, before giving the floor to the invited key speakers:

- Prof. Dr. Bela Buck, Alfred Wegener Institute, Germany – "New Aquaculture Trends"
- Marcin Juchniewicz, K2 Fish Farm, Poland – "Innovative Trout Farming"
- Dr. Bert Wecker, Neomar GmbH, Förde Garnelen GmbH & Co., Germany – "Continental Mariculture Systems"
- Antanas Sabanas, South Baltic Programme Joint Secretariat, Poland – "South Baltic Programme – participation possibilities"

Welcoming words for the InnoAquaTech Professional Training "Innovative aquaculture solutions" by Krysztof Bielawski, Vice-Rector of Development, University of Gdansk

The 4th Fish Congress at Sopot on the 30th and 31st March was the ideal opportunity to present InnoAquaTech to more than 300 delegates. A short summary of this event can be found on our newly developed website: www.innoaquatech.eu

UPCOMING EVENTS:

- 27th to 28th September 2017 the InnoAquaTech project partners will co-arrange a parallel workshop of the SUBMARINER "Better off Blue" conference in Berlin
- 12th to 14th October 2017 The project is expected to be present at the 4th Nordic RAS workshop in Aalborg, Denmark.
- 16th to 20th October 2017 InnoAquaTech B2B matchmaking activities and workshops are planned to include the Aquaculture Europe 2017 in Dubrovnik, Croatia, where aquaculture actors of the South Baltic region will be brought together

If you are interested in joining us at any of these events, please let us know.

For further information visit our new webpage: www.innoaquatech.eu

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