InnoAquaTech Newsletter January 2018

Happy new year and all the best for 2018!

This is a good opportunity to inform you about the latest project news from 2017. We have summarised these below, some with links to further information, if you would like to read more. Please do not hesitate to contact us, if you need more information or have any comments that you think we might find useful.

News about the InnoAquaTech project

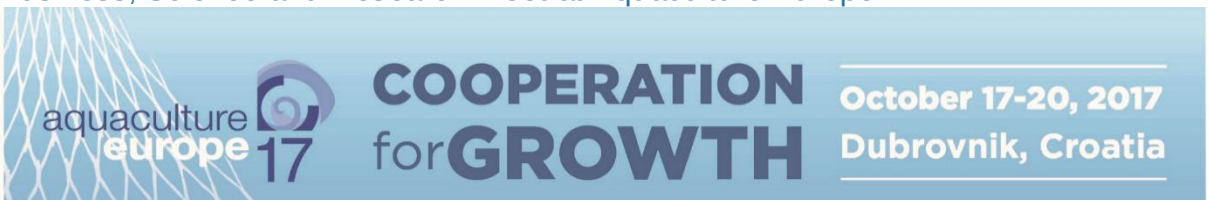
Aquaculture in Guldborgsund Zoo

Whilst most were enjoying their summer holidays, Guldborgsund Zoo in Denmark was a hive of activity, preparing together with DTI and University of Rostock for the reception of 105 catfish (*Clarias gariepinus*) fingerlings. More than 26.000 guests have visited the pilot between July and November. In October, local schools were hosted by DTI for an educational visit, where the school children were able to get behind the scenes and learn more about the fish, the micro-algae and why we are looking at the combination of these two. Read more here:

RAS 500 – A first step for Polish shrimp production

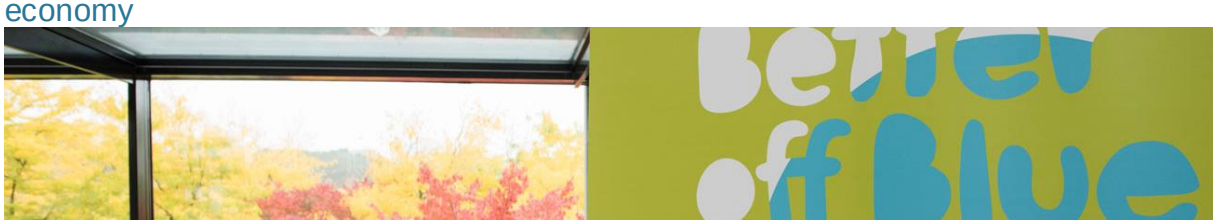
At the Institute of Oceanography of the University of Gdańsk, the pilot trial for the breeding of White Tiger shrimp in a closed loop (RAS) has begun. Laboratory tests carried out within the project will demonstrate the sustainability of this technology and demonstrate its potential for increasing awareness of the economic and environmental benefits of shrimp production in Pomerania, Poland. Read more here:

Business, Science and Research meet at Aquaculture Europe 17



InnoAquaTech was present at this year's Aquaculture Europe in Dubrovnik. At our project booth, company and research representatives learned more about the project, its partners and our 4 pilot RAS projects, as well as promoting the South Baltic region as a future-oriented aquaculture region. Read more here:

Better off Blue Conference – Current developments and visions of future blue bio-economy

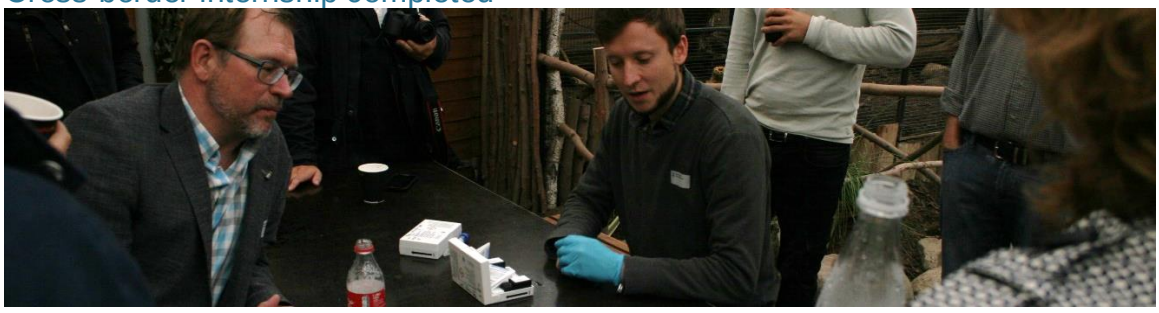


At the 2nd SUBMARINER conference, InnoAquaTech organized a special aquaculture workshop session entitled "Creating added value in RAS aquaculture through innovative technology integration". The invited speakers from science and industry dealt with possible approaches to adding value in modern aquaculture. Read more here:

1st InnoAquaTech Advisory Board Meeting & 3rd Partner Meeting

On the 13th and 14th September 2017, the project partners met with the InnoAquaTech advisory board members for the first time. The meeting was hosted by Danish Technological Institute (DTI) at their Taastrup offices and the meeting was followed by a partner meeting and field trip to see DTI's algae cultivation facilities and the Danish pilot.

Cross-border internship completed



From the beginning of August until the end of October 2017, DTI's microalgae team hosted Robert Röllig from Rostock University at their head offices in Denmark, providing him with the opportunity to broaden his experiences of working with microalgae cultivation and photo-bioreactor (PBR) design and technology. Robert was funded by the eCost program and will be responsible for establishing a functional PBR for Rostock University's FischGlassHaus together with DTI in 2018.

News about Aquaculture

Insect protein may now also be fed to fish in the EU

The amendment to EU Regulation 2017/893, in force since July 2017, provides the necessary legal basis for the use of insect meal as a protein source in animal feed. This long-awaited approval is particularly important for aquaculture, where as a promising protein source is now available to replace scarce and expensive fishmeal and fish oil for animal feed. (external)

Environmental influences from aquaculture can soon be determined quickly and cost-effectively

A study by the University of Kaiserslautern has developed a new procedure in which the DNA of microorganisms serves as a "fingerprint" for the ecological status of aquaculture farms using net cages. In future, a DNA chip will be developed, which delivers a reliable result in a very short time. This technology known as microarray is already used in other agricultural areas. (external)

New ways to recover nitrogen from aquaculture

Researchers at the Alfred Wegener Institute in Bremerhaven, Germany, have initiated a new project to test the method of membrane distillation to recover nitrogen from RAS plants. In common RAS, ammonium emitted by fish, is transformed by biological filtration into nitrogen and is released back into the atmosphere. Membrane technology is expected to hinder this process, thereby recovering valuable nitrogen. (external)

Other business:

- In spring 2018, an InnoAquaTech study visit will be held on Iceland, to which each partner will invite one SME/investor from their region to study aquaculture solutions based on geothermal energy. Later this year in autumn, we're going on similar trip to Belgium. Please let us know if you would like to join us!

Events 2018:

- Peer eXchange and Learning (PXL) workshop on Policy instruments for S3 implementation
  17 January 2018, Seville, Spain
- Fish International 2018
  25 February – 27 February 2018, Bremen, Germany
- German Biotechnology Days
  18 April – 19 April 2018, Berlin, Germany
- 2nd Global Bioeconomy Summit 2018
  19 April – 20 April 2018, Berlin, Germany
- Aquaculture UK
  23 May – 24 May 2018, Aviemore, United Kingdom
- European Maritime Days 2018
  31 May – 01 June 2018, Burgas, Bulgaria
- AQUA 2018
  25 August – 29 August 2018, Montpellier, France
- EuroTier 2018
  13 November – 16 November 2018, Hannover, Germany

Greetings from all the InnoAquaTech partners!

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