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#04- 25th SEP. 2020

NEWSLETTER

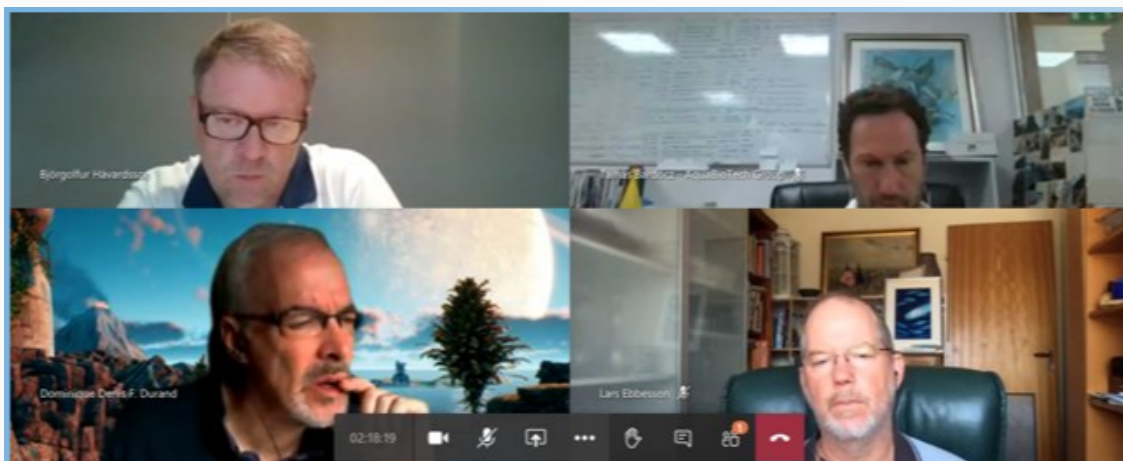
iFishIENCi

Intelligent Fish feeding through Integration of
Enabling technologies and Circular principles



Welcome to the 4th newsletter of the iFishIENCi, EU funded Horizon 2020 project. (Grant Agreement Number 818036)

Having passed our 18 month point in April, 2020 we have been busy collating our results so far and sharing them during our first review meeting. We are very proud to demonstrate our work to a panel of expert reviewers, and to engage in valuable discussions about the future. Though geographically separated, we sat as a team at the digital round table. Read on to find out for yourself the news from the past six months of the project.



COVID-19- Challenges and solutions

Like everyone, the iFishIENCi project has had to adapt to the changing working situation, including having all of our regular meetings as well as our review meeting online.

Communication and teamwork has remained strong throughout and we are pushing forward in our plans for the upcoming period.



Control diet

DT *Nannochloropsis*

Microalgae meal supplements for rainbow trout

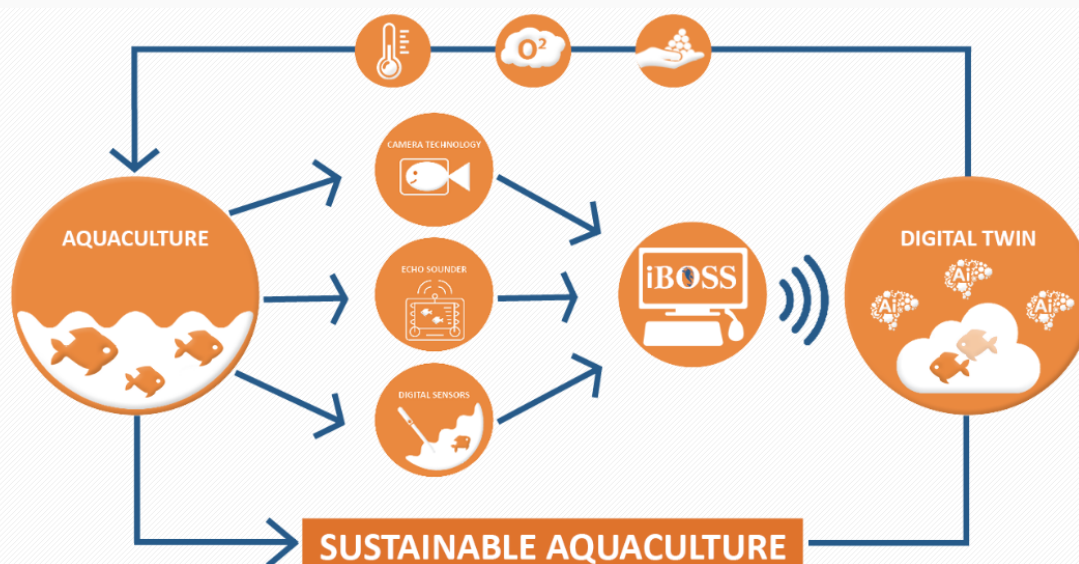
Partner Aller Aqua Research (AAR) have been investigating the potential of a microalgae meal supplement (*Nannochloropsis gaditana*) in test diets for rainbow trout. In the initial trial, main interest was given to feed palatability, nutrient digestibility and fatty acid profile of the ingredient. The *Nannochloropsis* meal is being produced at the partner facilities of the Norwegian Research Centre (NORCE). Subsequent trials will focus on performance and health stimulating effects of this microalgae and the pigmentation effect on the fillet [Read More...](#)





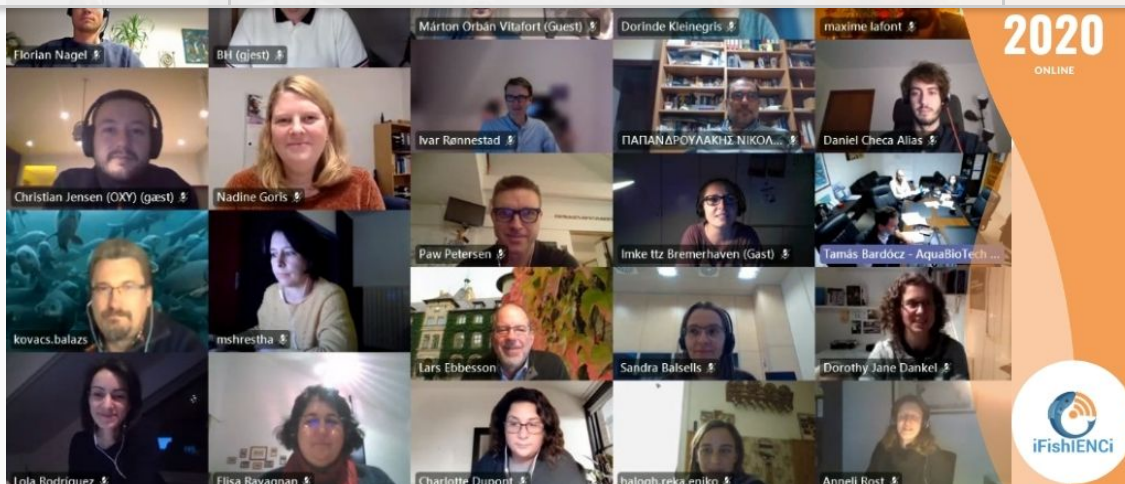
Perceptions of Sustainable Aquaculture Study

The iFishIENCi project is discovering new insights into consumer attitudes towards aquaculture through the online social survey our partner Ttz Bremerhaven has led. The iFishIENCi project is working to increase consumers perceptions of how our innovations will make aquaculture even more sustainable, nutritious, efficient and tasty. This will help consumers to make informed decisions for their family and the environment at the fish counter. [Read More](#) about their findings.



Launch of Stello

iFishIENCi Project partner Easy Global Market have released [Stello](#), the open source NGSI-LD broker which is the heart of the iBOSS cloud data hub. Stello connects fish farms' data to optimise fish feeding in aquaculture by using machine learning based algorithms. Real time monitoring of water and farm conditions made possible by Aquaculture 4.0 developments like iBOSS can provide large amounts of information at short intervals, allowing farmers to more accurately plan the fish farming activities (helping industry) and allowing scientists carry out detailed studies to improve farming efficiency in the long term. [Read more..](#)



Annual Meeting 2020

Our 2020 Annual Meeting was held online at the start of November. Very interesting discussions are occurring and we are very excited about the presentations of our recent results and upcoming challenges. It is going to be an exciting two years!

iFishIENCi demonstration sites





Progress is being made at our demonstration sites, where the developed iBOSS technology, including sensors, automated feeders, and AI will be tested in commercial environments. [Read more..](#)



AFRICAN CATFISH BREEDING EXPERIMENTS



ITS A CATFISH!

GENERATION F3 HAS BEEN BORN



Thanks to the hard work of Biology 4.0 partners SZENT ISTVAN UNIVERSITY and Győri “Előre” we are proud to announce that our F2 Generation of African Catfish has reached adult size for 3 selected lines (and control groups) and the F3 generation of the selected line is available for production tests. We have selected a breeding line for better utilisation of the experimental feed and are analysing preliminary data on the effect of selection on molecular genetic and production levels. Stay Tuned!

We salute you!

To the fish farmers and processors who are helping to ensure food security, the health professionals keeping us safe, and the researchers who have continued their work to ensure that future food systems are as resilient as possible even during such a crisis. Thank you for your service and sacrifice during this difficult time.

You are our heroes.



Due to the outbreak of **COVID-19**, we have sadly missed opportunities to meet you at this year's usual events. We must anticipate the possible postponement of our future planned conferences, seminars and workshops. Stay safe and follow our social media pages for further updates!

Our next planned event:

Details on our social media pages soon!



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