

PRESS INFORMATION

Aquaponics, the best instance of circular and integrated food production, at NovelFarm

When aquaculture and agriculture join forces a real self-sufficient close ecosystem results, that thanks to technology produces food in a sustainable way and with near-zero waste. Meet on 13 and 14 February at Pordenone Fiere (Venice - Italy)

23 January 2019. **Aquaponics is the topic** that links the two events that on 13 and 14 February will welcome in Pordenone Fair the international representatives of both the world of aquaculture and sustainable fishing (**AquaFarm**) and the soilless and agritech one (**NovelFarm**).

Aquaponics is a cross-cutting theme that offers solutions to the ever-increasing need of **sustainable ways of producing food**, able to feed a growing and increasingly urban population worldwide.

Aquaponics is an integrated production system **based on circular economy principles and industrial symbiosis methods**, grants the reduction of environmental impact of the agri-food industry and high outputs. The core of this practice is that plants are cultivated without soil and with minimum water usage which can reach 90% less than traditional agricultural practices, recycling the water coming from fish farms and loaded with organic waste, a nourishment for plants.

The cycle generates more benefits when using algae and insects created within the system to feed the fishes for human consumption. Algae breed into water creating the correct nourishment and insects are fed with vegetables production waste.

Another important aspect of aquaponics is that energy production necessary to feed the system can be generated within itself by burning biogas obtained from production waste. This is what a circular, self-sufficient, efficient and sustainable system means.

NovelFarm has created an entire session of conferences on aquaculture, organized with the collaboration of University Ca' Foscari of Venice, which will discuss on the projects developed with the

financial support of the European community, alongside with academic partnership and production companies within several European countries.

One of these projects is [Blugrass](#), an Italian and Slovenian project that has developed two pioneer plants opened during 2018 in the two countries.

Another focus will be given by the University of Pisa to explain the benefits and the functioning of a multitrophic integrated system for sustainable food production through recycling of waste water: this is SIMTAP, a project selected as part of the EU-PRIMA Innovation call.

During the session will be discovered also the commercial aspects and the development of aquaponic farms on an industrial scale.

Let's meet on 13 February from h. 15.30 in NovelFarm, Pavillion 4, Pordenone Fiere.

Further details and updates on Novel Farm are available on www.novelfarmexpo.it/en/

The exhibition is co-located with AquaFarm www.aquafarmexpo.it/en

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