



Online Workshop

Integrated Multi-Trophic systems for sustainable fish and crops production Results from the pilots and experiments of the PRIMA project "SIMTAP"

7 July 2021, 14-17 h (CEST – Italian time)

Organized by the PRIMA project "Self-sufficient Integrated Multi-Trophic AquaPonic systems for improving food production sustainability and brackish water use and recycling – SIMTAP"

14.00 Welcome

Introduction: improving sustainability and circularity in fish and crop production

- Alberto Pardossi, SIMTAP project Coordinator

Integrated Multi-Trophic systems: the SIMTAP pilots and results

- The SIMTAP project - Alberto Pardossi (University of Pisa, Italy)
- Concept of the SIMTAP prototype in Italy: objectives, design, and preliminary results - Carlo Bibbiani (University of Pisa, Italy)
- New diets for SIMTAP application: preliminary experiments and results in Italy - Baldassare Fronte (University of Pisa, Italy)
- Interaction of aquatic species in coastal pond IMTA: a case study in Charentes (France) - Joël Aubin, Christophe Jaeger, Vincent Gayet (INRAE, France)
- Concept of the SIMTAP prototype in Turkey: objectives, design, and studies - Mehmet Ali T. Kocer (Mediterranean Fisheries Research Production and Training Institute, Antalya, Turkey)
- Fish growth in a SIMTAP prototype and dietary inclusion potential of polychaetes meal in terms of self-sufficiency - Hüseyin Sevgili (University of Applied Sciences, Isparta, Turkey)
- Smart monitoring and control, energy efficiency and optimal location of SIMTAP - Daniele Torreggiani, Alberto Barbaresi (University of Bologna, Italy).
- General approach and methodology for the assessment of SIMTAP sustainability - Giuseppe Coppola, Jacopo Bacenetti (University of Milano, Italy)

16.30-17.00: Q&A and Discussion

The participation is open and free for everybody (even if not registered to the EurAgEng Conference).
REGISTRATION: <https://forms.office.com/r/sYUHTSEH7x>. The webinar will be held on the Teams platform.
After registering you will receive the link to join the webinar. For more info: daniele.torreggiani@unibo.it.



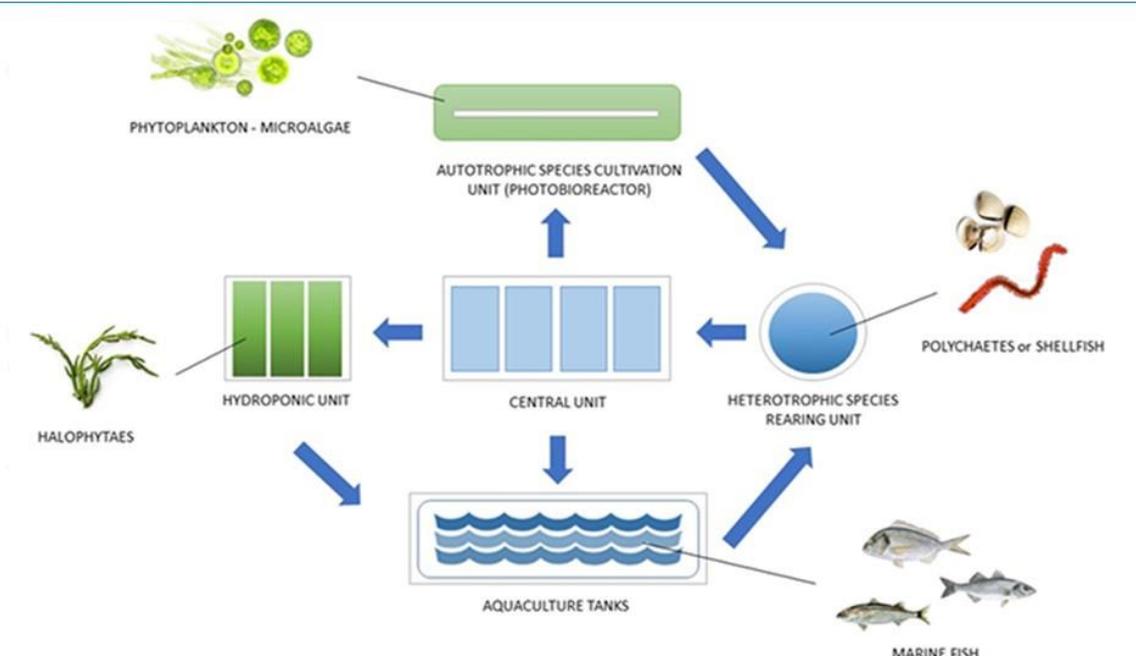
The SIMTAP project at a glance

The SIMTAP project, funded by the PRIMA program (Partnership for Research and Innovation in the Mediterranean Area), started in June 2019, and is aimed at designing, developing and testing a water-recirculating closed-cycle multitrophic system for the production of marine fish and crops for fresh consumption or the extraction of active ingredients for nutraceuticals, functional foods or medicinal use. The project aims at boosting the sustainability of marine aquaculture, further developing and challenging the aquaponics concept: the integrated multitrophic chain auto-produces fish feed ingredients (filter/feeders organisms) achieving also a fish waste bioremediation, thus reducing pressure on wild fish stocks and environment. Moreover, SIMTAP systems can exploit the effluents from greenhouse soilless cropping systems to enhance the production of filter/feeders organisms.

The project is the result of the joint work of several academic, public and private partners from the Mediterranean region: University of Pisa (project coordination), University of Bologna, University of Milan, INRAE - UMR SAS Sol Agro et hydrosystème Spatialisation, Lycée de la Mer et du Littoral, Malta Ministry for Agriculture, Fisheries, Food And Animal Rights, Turkish Mediterranean Fisheries Research Production and Training Institute, Korolev GmbH.

The keynotes and the presentations of the project partners will highlight the main challenges and opportunities for sustainable aquaculture and aquaponics, and will present the results of the ongoing project and the experiments which are being carried out in the pilot plants realized in Italy, France and Turkey.

Attendees are welcome to listen to the presentation and participate actively in the Q&A and discussion sessions.



For more info, visit the project website: www.simtap.eu