



NEWSLETTER

SIMTAP meeting

The SIMTAP partners have been reunited in Pisa from 12th to 14th of June for a meeting. During these days, the partners have participated to:

- **SIMTAP prototype in Pisa:** the meeting started with a visit to the SIMTAP prototype installed at the University of Pisa, in which two experiments were in progress on the feeding of sea bass and the hydroponic cultivation of basil in moderately saline water (10 g/L).
- **workshop on LCA and related issue:** the workshop was led by Joel Aubin with the collaboration of Jacopo Bacenetti and his collaborators. Several aspects on the LCA developments of the project have been discussed.



- **workshop on GIS-based DSS:** the workshop was led by Prof. Daniele Torreggiani, who illustrated the main characteristics of the GIS-based DSS, with his collaborator.
- **technical visit to aquafarms in Orbetello:** The group visited the land-based aquaculture facility "Il Vigneto s.r.l", where one of the two owners of the farm illustrated the technical aspects of fish production, water supply, nutrition protocols, and strategies adopted to preserve fish health and improve fish quality. Then Dr. Mauro Lenzi and Dr. Marco Leporatti Persiano (Orbetello Pesca Lagunare) illustrated their activities for the management of Orbetello Lagoon, in particular to prevent algal blooms and anoxia phenomena that have afflicted the lagoon for years.

Dissemination activities

- **During the IX^o Conference of the Italian LCA Network, held in Palermo from 22 to 24 June 2022, two different contributions related to SIMTAP were presented.** They are related to the project activities foreseen in the WP5 related to the assessment of the economic, environmental, and social performances. Michele Zoli presented the DexiAqua model, and his contribution (Zoli M., Costantini M., Le Féon S., Dubois T., Jaeger C., Wilfart A., Corfini N.A., Bacenetti J., Aubin J. *Development of a model for a triple layer sustainability assessment of aquaculture*) was selected as one of the best three papers presented by young researchers (under 35-years old). A second contribution was selected for oral presentation for the "Agro-food" Conference Section (Zoli M., Rossi L., Costantini M., Fronte B., Bibbiani C., Bacenetti J. *Life cycle assessment of aquaculture plant in Italy*). This is mainly based on average data and information collected by grey literature, provides a preliminary assessment of the environmental sustainability;
- An additional contribution (Zoli M., Rossi L., Costantini M., Bacenetti J. *Life cycle assessment (LCA) of different aquaculture systems: Preliminary results from the SIMTAP project*) will be presented to the III Convegno AISSA#under40 held in Bolzano the 14-15 July 2022.