



NEWSLETTER

SIMTAP from Italy to France

First days of July 2021: the ISMaCS “France” was successfully installed at the Lycée de la Mer et du Littoral at Bourcefranc Le Chapus (France). The system was installed by **UniBo** with the support of INRAE and LML.

The system is made by one gateway and eight nodes:

1. a weather station measuring air temperature, relative humidity, pressure, illuminance, rain and wind;
2. energy consumption of water pumps;
3. Other six nodes are designed to measure continuously the following water parameters: dissolved oxygen, pH, temperature, and conductivity.



Specific floating supports to host the nodes have been designed and built and placed in the middle of the ponds. The supports are fastened to the pond shores allowing stable measurements and an easy rescue of the nodes for the scheduled maintenance.

The six water nodes have been placed in the pond from 2 to 7 and send data to a gateway every 5 minutes. The gateway is in the facilities and is connected to the internet allowing the partners to check data remotely and in real time. **Now the UniBo team is carrying out the procedure of calibrations and validations of sensors with the collaboration of LML and INRAE staff.**