



Aim: Improvement and optimisation of the functioning of hydraulics infrastructures

Scope: Sewage, Drinking water, Reuse, Limnology, Hydrology, Water resource

Principle of operation:

- ❖ Implementation of **self-learning** algorithms on Water Robotics systems (robots, servers)
- ❖ Learning process step by step thanks to a data base based on history measurements and/or real-time measurements
- ❖ Optimisation of systems (pairing with heuristic method)

Applications:

- ❖ Automatisations of the production of our predictive models
- ❖ Automatisations of the calibration of constants in deterministic model (real-time amelioration)
- ❖ Navigation of Water Robotics robotized systems (mapping, obstacles avoidance)

Example:

Modelisation of pollution in sewage network (BOD5, COD, suspended matter)

Others services

- ❖ Use of Water Robotics data acquisition tools
- ❖ Decision aid giving tool combined with modeling and data-mining (see specialized brochures)
- ❖ Data visualization on our website