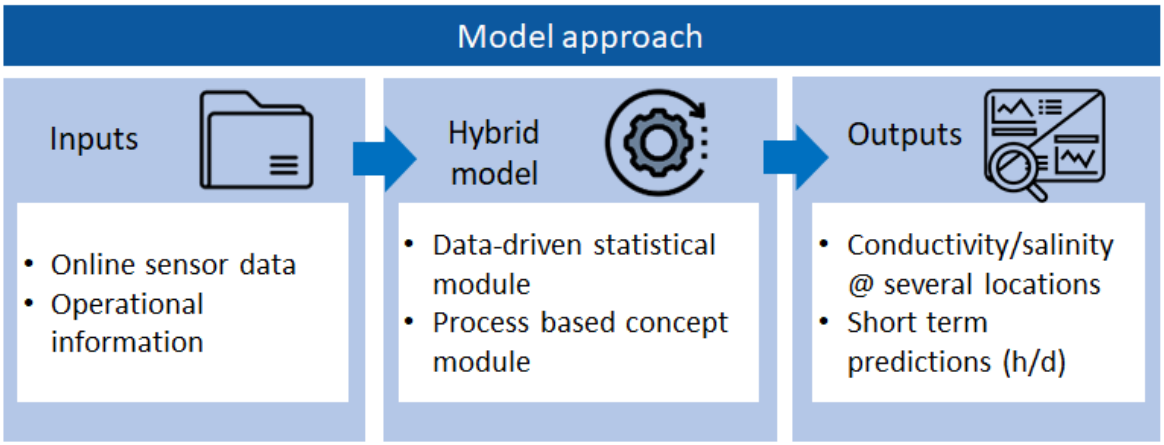
Product factsheet

Operational model - conductivity prediction in surface water

Consulting or service offering (e.g. training)



Description

Operational model providing short term predictions of conductivity, as proxy for salinity, at key locations along the Albert Canal (Antwerp, Belgium). The model combines a data-driven statistical model and a process based concept module, using information from a real-time sensor network and operational information. The model provides scenario analysis to support decision making for surface water management (e.g. drinking water production, shipping and transport activities) by predicting conductivity levels under different conditions (e.g. normal/drougths, pumping actions, ship traffic activities, intake rates)

Target audience

Water utilities, environmental agencies, industries, governmental authorities

Technologies applied by the product

- **Digital Twin**
- **Water Quality Modeling**
- **Water Resources and Management**

Related tags

water system modelling | Digital Twin | water management | water digital solutions | Water Quality Monitoring