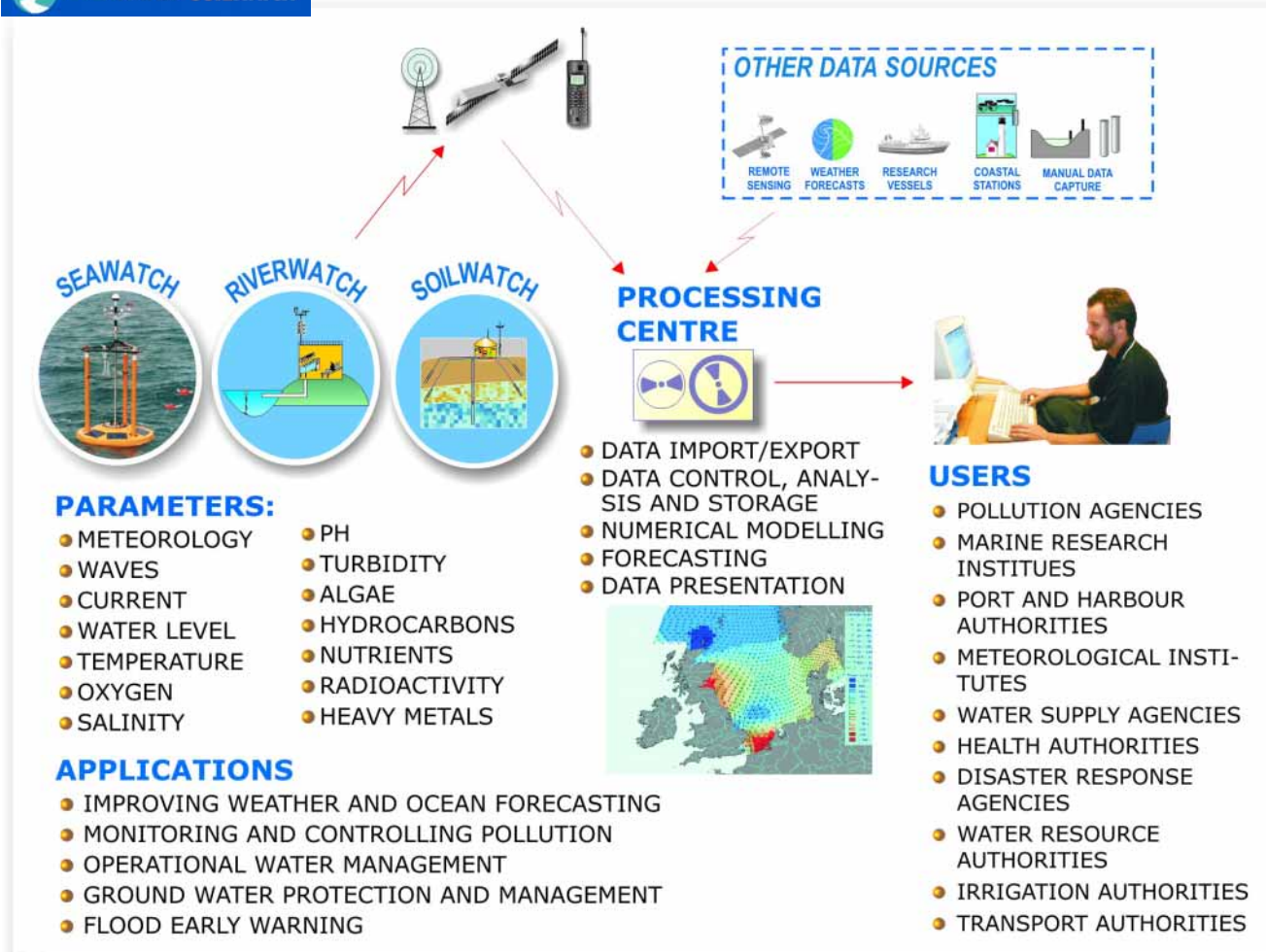


Riverwatch and Soilwatch



Environmental Monitoring, Forecasting and Information Systems



RIVERWATCH and SOILWATCH are integrated, real-time, monitoring and information systems specifically designed for the monitoring and management of soil and river water.

These systems provide comprehensive support to their users in the form of forecasting, early warning detection and decision-making assistance for resource and emergency management.

They have been specifically designed for organisations responsible for river water and soil management, and provide ideal solutions to: river basin authorities; government agencies; and companies or organisations responsible for water supply, power generation, agriculture, waterway transport, waste disposal, public health and water quality.

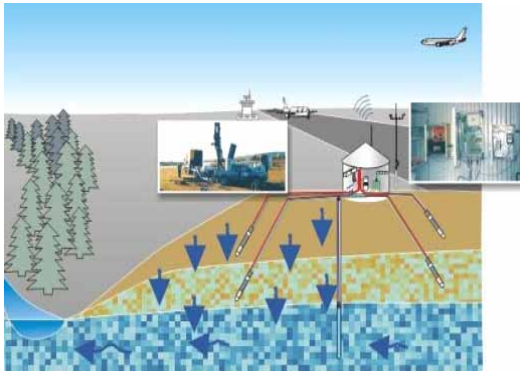
RIVERWATCH

System

Its modular design allows a gradual building of the system with respect to both components and applications. Thus a scaled and progressive investment in RIVERWATCH by the Client will meet his growing demands and changing circumstances.

The system's major components can be summarised as follows:

- Data acquisition (meteorological parameters, and water quantity in rivers, lakes and ground water)
- Telemetry (real-time access to data via land lines, GSM and satellite 'phones or radio)
- Central archiving, processing and dissemination of data
- Numerical models for selected applications.



Soil ground water station



River station



Lake or reservoir station



Automatic river station, fixed solution

RIVERWATCH

Applications:

- Pollution control
- Early flood warning
- Irrigation scheduling/operation
- River navigation
- Water allocation and drought management
- Integrated river basin management

SOILWATCH

Applications:

- Oil derivatives/industrial storage tank leakage detection/monitoring
- Monitoring of land fill and contaminated ground, soils and ground water
- Monitoring of soil-based treatment plants
- Monitoring/control of de-icing fluid contaminants from airports/highways and applied agricultural chemicals
- Ground water protection and management.

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