

# On-line continuous biomonitoring

## Early Warning Systems Platform

### **Creating acceptance and promoting application of on-line (bio)-monitors.**

From a technological point of view, the time is right for the deployment of on-line (bio)monitors in water quality monitoring. However, broad acceptance of these instruments will only be achieved when the instruments are properly validated and quality assurance is well organised.

The goal of this project is to create a sound scientific basis for broad acceptance and application of on-line biomonitors in general.

### **Activities**

In 2003, the ISO guideline 15839 on on-line sensors and monitors was adopted, which is a good starting point for describing the performance characteristics of on-line biomonitors. Although the guideline was not written with continuous biomonitors in mind, most of it is useful in the validation and quality assurance of these instruments. As a start, a report on the *Daphnia*-toximeter is prepared, in order to gain experience in the validation of biomonitors.

Furthermore, an international network will be set up to exchange knowledge on the deployment of on-line biomonitors in water quality monitoring, especially with regard to monitoring of surface waters for the production of drinking water. This also includes the setup of this website to stimulate knowledge exchange, and establishment of a question-and-answer database, dealing with technical questions concerning on-line biomonitors.

A discussion document on the regulatory basis for on-line biomonitoring and its practical application in a risk assessment/risk management approach for drinking water production will be produced.

### **Acknowledgement**

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### **Partners in this project are:**



More information @: <http://www.ews-platform.org>