



National Institute for Public Health
and the Environment
Ministry of Health, Welfare and Sport

9 March 13:00 -14:30

Webinar (semi) automatic post-processing of high- frequency water quality data



Online high-frequency measurement of water quality offers great advantages. The measurement data is immediately available and the detailed temporal patterns reveal solute transport processes and enable accurate load estimates. The large amount of data is of however varying quality. It is often necessary to clean up the data before using it in visualizations or calculations.

In this session we try to inform each other about international experiences with post-processing of high frequency water quality data through three presentations:

- Kevin Ouwerkerk from Deltares, the Netherlands shows us the ongoing OptimaHWQ project aiming at providing tools for automated data corrections and gap filling.
- Arnout Roukaerts from Fluves, Belgium talks about automatic quality assurance of measurement data.
- David Schäfer from Helmholtz-Zentrum für Umweltforschung UFZ, Germany guides us through software package SaQC, System for Automatic Quality Control.

After this, time is set aside for discussion about the performance and difference of the methods and the implications for incorporating high-frequency water quality data in the monitoring networks.

WaterSNIP

With the Water Sensors Nutrients Innovation Programme, RIVM is developing new measurement techniques for the Minerals Policy Monitoring Programme (LMM). Our ambition is to measure more efficiently and accurately the amount of nutrients (nitrogen and phosphorus) that leach from agriculture to groundwater and ditch water. For this purpose, RIVM use sensors to monitor water quality with high frequency.

Uniform method sensor measurements

The new method will be developed together with other institutes that measure water quality. With a uniform measurement method, the monitoring networks will connect and the results can be compared with each other. To achieve this, the RIVM organizes webinars on a certain topic for exchanging knowledge and to initiate joint pilots.

Registration webinar:
You can sign up for the webinar via [link](#).
More information:
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