Training Event

8.12 – 9.12.2016

BioDetection Systems BV
Amsterdam, the Netherlands

Training event - December 2016 Amsterdam

Objectives

- ***In vitro*** **bioassays for chemical analysis in water quality assessment**
- **Automated sample work-up and analysis for bioscreening of environmental samples**
- **Introduction to recent developments and applications of effect-based water quality monitoring and assessment.**
- **Possible use of bacterial reporters for anti-microbials**

Topics

- **CALUX bioassays for micro-pollutants**
- **Anti-microbial reporter assays**
- **Development of water quality trigger values**
- **Use of bioassays in environmental quality monitoring and risk-assessment**
- **Current monitoring practice of water companies**
- **Seminar/discussion on relevant publications and methods used**

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Day 1

- Welcome
- General introduction
- Anti-microbial reporter assays (MLS)
- CALUX reporter-gene assays for micro-pollutants (BDS)
- Regulatory acceptance of bioassays
- Hands-on practical training
  - lab class
  - compu class
- Workshop dinner

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Day 2

- Guest speaker - Influence fracking on water quality
- Guest speaker - Trigger values
- Guest speaker - bioassays for water quality

- Site-visit - Waternet

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Waternet: water company dedicated to the entire cycle:

- **waste water treatment**
- **production of drinking water**
- **maintain water levels**
- **keep surface water clean**
- **manintain waterworks (dikes, channels etc.)**

KWR : assists society by organising and using the water cycle:

- **creating knowledge (top-quality research)**
- **building bridges (science- business-society)**
- **societal innovation**