

# UK's Only Dedicated Event for Water and Wastewater Monitoring Announce Conference Programme

WWEM is focused on measurement, testing and analysis for the water and wastewater and environmental industry. From test kits to process measurement, laboratory analysis right through to fixed and portable gas detection, if your work involves Monitoring, testing or working with water you need to be at WWEM.



## WWEM the specialist event for the Water, Wastewater and Environmental Monitoring community.

WWEM is focused on measurement, testing and analysis for the water and wastewater and environmental industry. From test kits to process measurement, laboratory analysis right through to fixed and portable gas detection, if your work involves Monitoring, testing or working with water you need to be at WWEM.

November 2014 will be the sixth time this dedicated biennial event will be held. WWEM has evolved into a very successful event since its inception back in June 2005. The event has firmly established itself as the number one event for Water/Wastewater and Environmental Monitoring professionals to attend. Please view our visitor and exhibitor testimonials to find out how valuable past attendees and exhibitors have found WWEM events.

Visitors will attend from a large range of industries which will include Utilities, Power, Petrochemical, Food & Beverage, Pharmaceutical, Test labs, Pulp & Paper, in other words anyone who needs to test or analyse water.

**WWEM 2014**  
Telford International Centre,  
Telford, England  
Tel: +44 (0)1727 858840  
Email: [info@wwem.uk.com](mailto:info@wwem.uk.com)  
Web: [wwem.uk.com](http://wwem.uk.com)

## WWEM 2014 - CONFERENCE PROGRAMME

### Wednesday 5th November 2014

" This conference is ideal for process operators, specifiers, contractors, regulators, researchers and equipment suppliers who have a requirement to understand the latest environmental regulations, technologies and methods. "

\* Coffee Break Times : (08:45 - 09:30) & (10:45 - 11:15)

Session	Time	Title	Speaker
1	10:00 - 10:30	Operator Monitoring Assessment Version 4 – How effective has it been?	Rick Gould, Environment Agency
		Exhibition and Networking	
2	11:00 - 11:30	Progress within Europe on CEN standards for instrument certification	Andrew Chappell Environment Agency
3	12:00 - 12:30	The importance of testing & certification for environmental monitoring	Emily Jarvis, CSA-SIRA
		Lunch Break ( 12:30 - 13:30 )	
4	14:00 - 14:30	Instrument testing for MCERTS and other purposes	Andy Godley WRC
5	15:00 - 15:30	The good the bad and ugly of flow monitoring- Experience from the MCERTS flow inspection scheme	Nick Richardson, Siris Environmental

### Thursday 6th November 2014

" This BMTA Conference is aimed primarily at managers and senior staff in environmental laboratories but the techniques and quality procedures discussed will be of interest to staff in other types of laboratory. The presentations deal with the methods of achieving quality and consistency in sampling and in laboratory measurements. The speakers represent the national accreditation body, UKAS, large water companies and commercial laboratory-based organisations. "

Session	Time	Title	Speaker
1	10:00 - 10:30	Proficiency Testing – A Key Piece in the Quality Jigsaw?	Fran Bilby, UKAS
2	10:30 - 11:00	Recent advances in Laboratory Analysis	Hazel Davidson, Derwentside Environmental Testing Services
		Exhibition and Networking	
3	11:15 - 11:45	Sampling and analysis in relation to Priority Substances Directive 2012/39/EU	Prof Clive Thompson, Chief Scientist, ALcontrol
4	11:45 - 12:15	New Mobile Sample Tracking Technology	Kyle Morris, CSols
		Lunch Break ( 12:30 - 13:30 )	
5	14:00 - 14:30	Delivering a Fully Automated Water & Environmental Laboratory Environment Using Intelligent Laboratory Software Solutions	Bob Poole, Thermofisher Scientific
6	14:30 - 15:00	Water Industry Speaker	
		Conference Ends	



### Day 1 - Session 1: Operator Monitoring Assessment Version 4 – How effective has it been?

Synopsis : The Environment Agency revised its Operator Monitoring Assessment (OMA) tool for auditing in early 2012 and has since been applying this to installations regulated under the Environmental Permitting (England and Wales) 2010. OMA Version 4 was a major revision and the Environment Agency aligned it to the Plan-Do-Check-Act (PDCA) approach typified within the management systems that operators are now required to use. Therefore this training presentation describes the experiences of operators and the Environment Agency with this new version of OMA, and what the Environment Agency plans for the future?

### Day 1 - Session 2: Progress within Europe on CEN standards for instrument certification

Synopsis : The presentation will provide an update on the development of 3 CEN standards for assessment of water quality monitoring equipment, including : Auto-samplers; continuous monitors and portable monitors. These standards are based on the MCERTS documents and Andrew will also mention the effect these standards will have on the MCERTS procedures. There is a similar project looking at CEN standards for flow monitoring devices and there will be an update on the progress.

### Day 1 - Session 3: The importance of testing & certification for environmental monitoring

Synopsis : CSA-Sira has over 40 years experience of evaluating the performance of instrumentation. Despite improvements in instrumentation technology, schemes such as MCERTS have highlighted to Sira that not all instrument performance has improved at the same rate. Independent approval of specifications made by instrument manufacturers is still required, and will be demonstrated by case studies and examples during the presentation.

### Day 1 - Session 4: Instrument testing for MCERTS and other purposes

Synopsis : Andy Godley from WRc will describe the process for instrument testing under MCERTS from the agreement of the test programme to delivery of the report. The certification of products against the MCERTS standards is a reasonably flexible process of building up the evidence to show that the device meets all the pertinent requirements. WRc has tested many devices against the various parts of the standard - automatic wastewater samplers, analytical equipment and flowmeters of various types, both in the laboratory and in the field. They also carry out much other testing for the water industry and other customers, either in specific applications or to assess devices against specific customer requirements. Similar principles apply in both cases - i.e. the need to get good quality, representative results - and WRc's test programmes are well regarded and accepted as being robust and independent.

### Day 1 - Session 5: The good the bad and ugly of flow monitoring- Experience from the MCERTS flow inspection scheme

Synopsis : Over the past 10 years thousands of sites both municipal and industrial have had Mcerts inspections. Some sites have sailed through the certification process while others have presented some challenges to the Mcerts inspector and there are a few where divine intervention would have been welcomed. The presentation seeks to highlight good points and bad from an inspectors perspective

### Day 2 - Session 1: Proficiency Testing – A Key Piece in the Quality Jigsaw?

Synopsis : Fran will discuss key aspects of the UKAS document TPS 47 to include, the reasons for participation in proficiency testing (PT), PT planning, what to look for in a PT scheme, how to find PT schemes, inter-laboratory comparisons (ILC), how to use PT and ILC data for quality control purposes and other uses of PT scheme samples/data.

### Day 2 - Session 2: Recent advances in Laboratory Analysis

Synopsis : The presentation will consist of an overview of recent developments enabling laboratories to reach lower limits of detection. This can be by improved instrumentation using updated spectrophotometric systems for cyanide, phenol and total organic carbon can be up to a factor of 20 times better. Alternatively, analysis of organics can be improved by using larger volumes of sample and concentrating the organic compounds using an SPE column, and/or using a large volume injector on the GC/GCMS system. These requirements are driven by the WFD, particularly for low level organics, but as ever, good sampling protocols are vital for meaningful data and factors such as solubility and filtering (or not) are critical.

### Day 2 - Session 3: Sampling and analysis in relation to Priority Substances Directive 2012/39/EU

Synopsis : A devil's advocate response

### Day 2 - Session 4: New Mobile Sample Tracking Technology

Synopsis : Remote Sampler is a sophisticated, secure and state of the art mobile data capture system that is designed specifically for the UK and European Water Industries. Each water sampling technician operates remotely with a handheld device linked through a central hub to a Laboratory Information Management System (LIMS). Data collected on site is transmitted wirelessly back to the lab as soon as it is recorded. The system improves sample data quality by reducing transcription errors while allowing existing accredited sampling procedures to be followed. Water companies across Europe are already using Remote Sampler to process thousands of samples a week.

### Day 2 - Session 5: Delivering a Fully Automated Water & Environmental Laboratory Environment Using Intelligent Laboratory Software Solutions

Synopsis : Laboratory Information Management Systems (LIMS) play a key part in ensuring water and environmental labs comply with various industry and regulatory bodies. This presentation will discuss the innovative features and functionalities that make this possible, and in addition how today's laboratory software is applied to deliver a fully automated, efficient and intelligent approach to sample receipt and scheduling, resource management, collecting, processing and acting upon results and securely managing the vast amounts of data produced.

## WWEM 2014 - Organisers

For over 40 years, International Labmate the organiser of WWEM Show has been providing manufacturers of environmental, laboratory & petro chemical equipment with ideal platforms to market their products.

Covering different geographical regions, the journals provide all the latest environmental, laboratory & petro chemical product news coupled with business news and in-depth technical articles which aim to problem solve and address key issues at the forefront of the industry.

In 2002 the company launched Mcerts Air Monitoring events with the Source Testing Association (STA). Now we also run and organise other specialist conference and exhibitions such as CEM (International Conference and exhibition on Emissions Monitoring), AQE (The Air Quality and Emissions Show) and PEFTEC (The International Conference and exhibition for Petroleum, Refining and Environmental Monitoring).

