

AQUATECH DAILY

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AMSTERDAM

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AMSTERDAM
INTERNATIONAL
WATER WEEK

AMSTERDAM INTERNATIONAL WATER WEEK - FLOOD EX LAUNCH EVENT

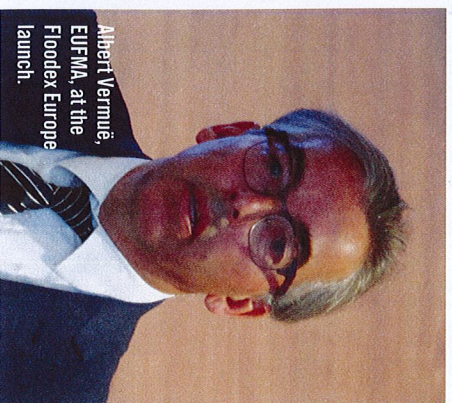
1 NOVEMBER 2017

Flooding and Europe's need to invest

Flooding took a step up on the Amsterdam International Water Week agenda yesterday with the launch of the Floodex Europe event, which will run in full alongside future editions of Aquatech Amsterdam.

Albert Vermuë, Secretary General of the European Union of Flood Management Associations, spoke at the special launch event and highlighted the growing concerns around flooding in Europe. In particular, he shared the key themes to have emerged from his organisation's annual meeting in September. 'There are a lot of discussions about climate change and where it comes from and what is the real cause of the problem, but the consequences are already there – all the people around the table said they are seeing the consequences of climate change already,' he said.

This was the case for extremes in terms of temperature, of drought and of flooding, he explained. More than this, such extremes have implications for the infrastructure designed, for example, to store water for irrigation or to remove water during flooding. 'At the same time, they said that the change in the climate poses a pressure on their infrastructure,' he added.



Albert Vermuë, EUFMA, at the Floodex Europe launch.

Most infrastructure is decades old, much dating from just after the Second World War, Vermuë said. Not only does this mean it has not been designed to cope with the changing conditions brought by climate change, but it also means the infrastructure is at risk of damage from more extreme events. Consequently, there is a need to invest, meaning financing will be a key issue for the future, requiring flooding to be higher on the political agenda.

'We feel that investing in preparing countries for the changes in the climate that are underway is money very well spent,' added Vermuë.

SMEs take the carbon challenge

Companies with potential solutions to the problem of elevated dissolved organic carbon levels in surface waters faced in particular by drinking water suppliers are competing today for an opportunity to see their technology put to the test in a real-world installation.

There are growing concerns about rising levels of DOC, a problem exacerbated by climate change. The EU-supported DOCC2C's project brings together partners in the Interreg 2 Seas region - the Channel and the North Sea - with the main aim of accelerating innovation in drinking water treatment to improve DOC removal. As part of a workshop 'Together on the move for DOC removal' today, the project is hosting its DOC Challenge.

'What we are doing with the DOC Challenge is to encourage SMEs and other institutions to present their innovative products in a pitch that

shows how they can help accelerate effective removal of DOC,' comments

Bart Jonker, Communications Manager with project partner PWN. 'The pitches will be reviewed by a jury of water professionals, and the selected winners will get an opportunity to test their innovative product or innovation at one of the test facilities of the project partners.'

The four-year DOCC2C's project started in 2015. The core project consortium includes PWN and Delft University of Technology from the Netherlands, the UK's South West Water, Lille University from France, and De Watergroep from Belgium.

Today's workshop is being held in the Europa Foyer, running from 13:30-17:00. SMEs will make their pitches in a session after an opening welcome, to be followed by a programme of presentations and discussions.

AQUATECH INNOVATION AWARD - CATEGORY WINNER

Satellite solution to leak detection

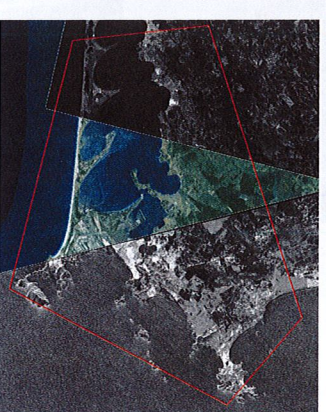
Utilis, Hall 2, Stand 02.3146

A new technology being used in a growing number of projects around the world to help utilities detect leaks in their water supply networks by analysing satellite images has won the Process control & Process automation category in this year's Aquatech Innovation Award.

The technology from Israeli company Utilis starts with a satellite image of a network area and applies a patented algorithm to identify where tap water is present in the ground. The utility is then provided with a GIS-referenced map with street locations and marked with zones of 50m radius where a leak is likely to be present, with different colours indicating the likelihood of there being a leak.

Final detection of the leak within or very close to the zone identified by the algorithm is made by field survey teams using acoustic leak detection. 'We are making the traditional acoustic leak detection method much faster and cost-effective,' comments Gustavo Bach, marketing manager with Utilis.

The Utilis technology detects ground moisture, and leaks of even relatively low flow rates can lead to a build-up of

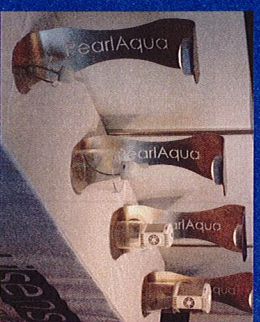


soil moisture. According to Bach, the technology can be applied to ground surfaces of all types, and to date has been used on around 70 projects in 25 countries.

Progress over the last couple of years means the company has moved beyond having to focus on proving that its technology works, according to Bach. 'The technology works. What we want to do is show people that satellite leak detection can be a standard leak detection method,' he says.

Bach sees that Aquatech Amsterdam can help in particular with the company's growth in Europe. He says the company has projects in most countries and is strong in some of these. 'We want to have a bigger footprint in Europe,' he adds.

GLOBAL LAUNCH FOR MICRO UV
AquiSense Technologies (Hall 7, Stand 07.549B) is using Aquatech for the official global launch of its enhanced PearlAqua Micro UV disinfection system. The core technology is based on UV-C LEDs. The Micro UV system offers low flow validated UV treatment with options now including a UV intensity sensor.



Where the solution is clear

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