Monday 12/09/2022

11u00 **DALI: Fiber optic based Leak & Intrusion Monitoring (every second, every meter)**
Rick De Visscher, Managing Director Vigotec Pipe Systems & Thijs Lanckriet, Fluves/DALI Project Manager

11u30 **Making waves with speedboats**
Maarten Raemdonck, Innovation Manager Aquafin

12u00 **Managed Aquifer Recharge for drinking water production**
Han Vervaeren, Programme Manager Optimal Drinking Water

15u00 **Towards collaborating and integrated water utilities**
Carl Heyrman, Managing director AquaFlanders

15u30 **The Fluid Crew - Water solutions with a Flemish twist!**
Dirk Halet, Strategic Coordinator Vlakwa

16u00 **Happy Hour**
Offered by **AquaFlanders**, **De Watergroep** & **Vlakwa**

Tuesday 13/09/2022

11u00 **Willow Field & Desalination brackish water**
Vincent Winnock de Grave, director Operations Aquaduin

11u30 **De Watergroep: journey towards a climate smart utility**
Pauline Ottoy Program Manager R&D, Circular systems De Watergroep

12u00 **Moving Bed Biofilm Reactor denitrification as mitigation measure to reduce nitrate losses in agriculture**
Pieter Van Aken, researcher KULeuven

15u00 **Imagine you can have a 1 single source platform for all your (digital meter) data!**
Maarten Herthoge, Delaware

15u30 **Waterkracht - circularity with impact**
Franky Cosaert, CEO water-link

16u00 **Happy Hour**
Offered by **water-link**

Wednesday 14/09/2022

11u00 **DALI: Fiber optic based Leak & Intrusion Monitoring (every second, every meter)**
Rick De Visscher, Managing Director Vigotec Pipe Systems & Thijs Lanckriet, Fluves/DALI Project Manager

11u30 **Imagine you can have a 1 single source platform for all your (digital meter) data!**
Maarten Herthoge, Delaware

12u00 **Water smart solutions with B-Water Smart**
Han Vervaeren, Programme Manager Optimal Drinking Water

15u00 **NRW challenges in Flanders**
Christophe Poels, sr. Expert Operations Pidpa and chairman NRW Taskforce AquaFlanders

15u30 **How Climate change drives the R&D strategy**
Rosalia Delgado, R&D manager Aquafin

16u00 **Happy Hour**
Offered by **Aquafin**

Flanders Belgium Pavilion C2-302

PITCH PROGRAMME

FLUID CREW

Water solutions
with a Flemish twist.

www.fluidcrew.be

De Watergroep

Managed Aquifer Recharge for drinking water production

Han Vervaeren, Programme Manager Optimal Drinking Water

Within the water scarce region of West-Flanders, limited options are available for the production of drinking water. Nature Based Solutions like MAR (managed aquifer recharge) systems can help in meeting an increased drinking water demand. Within the project, a case is explored where surface water quality is pretreated by infiltration in a freshwater lens and afterwards reclaimed. By infiltration, improvement of the water quality is aimed for prior to further processing to drinking water."

Aqua Flanders

Towards collaborating and integrated water utilities

Carl Heyrman, managing director AquaFlanders

Ensuring the availability and quality of drinking water at all times is therefore a challenge for the public water companies. An integrated approach from source to production, distribution, collection and waste water treatment is needed to enable the optimal and efficient management of hybrid water systems.

VLAKWA

The Fluid Crew - Water solutions with a Flemish twist!

Dirk Halet, Strategic Coordinator Vlakwa

One drop can't move a stone, but seven million can. Meet the Fluid Crew: a fluid workforce teaming up with you to solve water problems with a unique offer: water solutions with a Flemish twist. Don't believe us? Believe our actions. Come and join us for a pitch with a Flemish twist, and a fluid refreshment after. After all, beer is 90% water...

aquaduin

Willow Field & Desalination brackish water

Vincent Winnock de Grave, director Operations Aquaduin

1. RO Concentrate treatment with willows: a nature-based solution / 2. Water production center (WPC) Ganzepoot in Nieuwpoort: optimization of the security of supply in West-Flanders by purifying fresh, brackish and salt water to drinking water quality

De Watergroep

De Watergroep: journey towards a climate smart utility

Pauline Ottoy, Program Manager R&D, Circular systems De Watergroep

De Watergroep has been selected as an 'inspiring case' for the Climate Smart Utility program. In this pitch, we give a high-level overview of our actions in climate adaptation (delivering essential services while reducing the risk of failure in the face of climate threats), climate mitigation (emissions are reduced), and international leadership.

KU LEUVEN

Moving Bed Biofilm Reactor denitrification as mitigation measure to reduce nitrate losses in agriculture

Pieter Van Aken, researcher KULeuven

The negative impact of nitrate losses from agricultural activities on the quality of local water streams is widely recognized. It is therefore necessary to treat these effluents before discharge but often the area available to install these treatment systems is limited, making the development of intensified systems an emerging trend. In this scope, this study was therefore to investigate the suitability of a denitrifying Moving Bed Bioreactor (MBBR) as a low footprint technology, which can compete with conventional technologies.

delaware

Imagine you can have a 1 single source platform for all your (digital meter) data!

Maarten Herthoge, Team Lead Data Science & Engineering Delaware

Delaware will explain how a consolidated data platform can be actively used into your decision taking and integration into your operational processes but also how this platform can be easily fit into your enterprise architecture.

water-link

Waterkracht - circularity with impact

Franky Cosaert, CEO water-link

Aquafin, Ekopak, PMV and water-link will together process the treated wastewater from Antwerp households into cooling water for companies in the port of Antwerp by 2025.

DALI

DALI: Fiber optic based Leak & Intrusion Monitoring (every second, every meter)

Rick De Visscher, Managing Director Vigotec Pipe Systems & Thijs Lanckriet, Fluves/DALI Project Manager

"Predictive maintenance at its best. Get to know how fiber optic acoustic sensing can hear the smallest leak in your pipeline or detect intrusion above your pipeline.

DALI is a revolutionary pipeline monitoring system that helps reduce losses from NRW (Non-Revenue Water), waste and incidents. It is designed to help utility and industry asset managers save money and lead their businesses into a more sustainable future.

Unlike existing monitoring systems, DALI uses Distributed Acoustic Sensing (DAS) technology to automatically pinpoint the exact location (10m accuracy) of leaks and intrusions around the clock, allowing timely interventions and smarter asset management."

Aquafin

Making waves with speedboats

Maarten Raemdonck, Innovation Manager Aquafin

"Tips, tricks and lessons learned to make innovation work in an institutionalised (waste)water company.

How and when do you get off the cruise/cargo ship and buckle up in speedboats?"

De Watergroep

Water smart solutions with B-Water Smart

Han Vervaeren, Programme Manager Optimal Drinking Water

Living Lab Flanders is one of six pilots within the horizon 2020 European project B-WaterSmart. Living lab Flanders is a consortium of De Watergroep, Aquafin, PSKW, VITO, KWR and city of Mechelen that engage in finding more climate robust and qualitative solutions for water issues. In case of De Watergroep, we want to find out if the integration of a highly water efficient membrane technology (CCRO) can help in making an existing drinking water plant more independent from raw water qualities and therefore more performant throughout the year.

Pidpa

NRW challenges in Flanders

Christophe Poels, sr. Expert Operations Pidpa and chairman NRW Taskforce AquaFlanders

A quick overview on the NRW Challenges for water utilities in Flanders, Belgium. What is the current situation? What actions are and will be taken to further reduce the NRW losses?

Aquafin

How Climate change drives the R&D strategy

Rosalia Delgado, R&D manager Aquafin