



EUROPEAN ASSOCIATION
OF PUBLIC WATER OPERATORS

Aqua Publica Europea

THE EUROPEAN ASSOCIATION OF PUBLIC WATER OPERATORS

IAWD Congress 2023
Vienna



EUROPEAN ASSOCIATION
OF PUBLIC WATER OPERATORS

ABOUT AQUA PUBLICA EUROPEA

67 MEMBERS

Public water and sanitation operators

80 MILLION

citizens served every day

2 MAIN OBJECTIVES

- *Promoting public management*
- *Providing a platform for mutual learning*





EUROPEAN ASSOCIATION
OF PUBLIC WATER OPERATORS

Contributing to EU and international dialogues

APE is a member of:



European Commission's **Expert Groups**:

- **Drinking Water Directive**
- **Urban Wastewater Treatment Directive**
- **Bathing Water Directive**

Ad hoc **task forces** under the **Common Implementation Strategy** of the Water Framework Directive:

- **Water Economics**
- **Drought and Water Scarcity**



- OECD **Water Governance Initiative**
- OECD **Roundtable on Water Finance**



- Member of **Steering Committee** the UN-Habitat Global Water Operators Partnership Alliance (**GWOPA**)





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Contributing to EU and international dialogues

APE's own initiatives



APE seminar on the revision of the UWWTD, with European Commission



Rapporteur in the EP for UWWTD visiting APE's member treatment plant



Publication on the water service of the future



APE President at UN Water Conference in New York



Participation in ARTE TV programme on tap water pollution



Event on "Blue New Deal" in Porto, with Portuguese Presidency of the EU

Knowledge Platform

Aqua Publica Europea offers its members different modalities by which they can engage and interact with each other; it also provides different web instruments to facilitate the circulation of information on members' needs and expertise.

These different exchange modalities and support tools compose the **Water Erasmus Toolbox**.

WATER ERASMUS

AQUA PUBLICA EUROPEA



WATER ERASMUS SUPPORT TOOLS

Search engine



Online exchange tracker



Exchange tracker (newsletter)



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WATER ERASMUS

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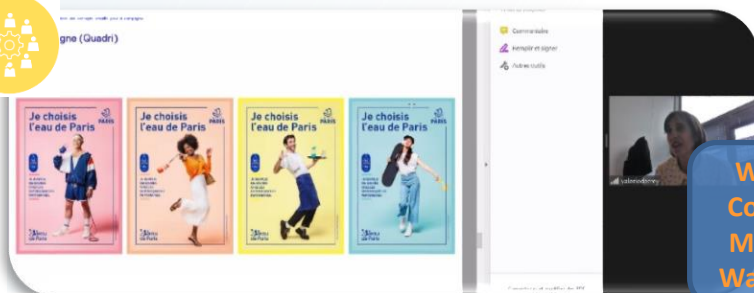
Technical Workshop on Water Reuse



On-Demand Exchange on Data Governance: Eau De Paris (FR), VIVAQUA (BE), SWDE (BE)



Technical Workshop on leak control: Aguas de Gaia (PT), MPWIK (PL), Budapest Waterworks (HU)



Working Group Communication: Meeting on 'Tap Water Promotion'



On-Demand Exchange on public fountains: Eau De Paris (FR), Scottish Water (UK)



EUROPEAN ASSOCIATION OF PUBLIC WATER OPERATORS

Support tools: Exchange tracker

Exchange tracker

Dear members,

In this newsletter, you will find a list of requests for information or exchange from other members. Please write to the Secretariat if you have good practices to share or if you are also interested in the topic.

You also have the opportunity to submit your own requests by clicking on the button at the bottom of this newsletter or by simply sending an email to the Secretariat.

In this edition, you will also find the reports of the exchanges that took place in Brussels last November. Please note that the next online exchange will focus on 'Water reuse' and it will take place on 20 March morning.

Requests for information/exchange

Real Time Control Systems | MPWIK (Warsaw, Poland) would like to exchange or learn more from operators that have experience - even at an early stage - with 'Real Time Control Systems' (RTC) for the management of the drinking water networks.

Quaternary Treatment for small WWTPs and smart tools for the catchment areas (partners search) | Promedio (Badajoz Province, Spain) Promedio is searching for public operators from France, Spain, Portugal, Italy, Greece, and the UK interested in exchanging experiences on: i) quaternary treatment for small scale wastewater treatment plants and ii) smart tools to automatically identify network stress, associated risks and response actions in the catchment areas.

Heat recovery from the network | City of Paris (Paris, France) has been carrying out pilot projects on heat recovery from the sewage network. Some exchanges of experiences have already taken place with Visseux (Brussels, Belgium) on another pilot project based on a new technology they patented. Together with City of Paris, we're now looking to extend the exchange on experience to other cities.

Share your best practices

Submit your request for information | **Submit your request for an exchange**

APE Members' best practices search engine | **Water Erasmus Tracker - Full list**

Reports from Previous Exchanges

Requests for information/exchange

NEW **Real Time Control Systems | MPWIK (Warsaw, Poland)** would like to exchange or learn more from operators that have experience - even at an early stage - with 'Real Time Control Systems' (RTC) for the management of the drinking water networks.

CONTRIBUTE

NEW **Quaternary Treatment for small WWTPs and smart tools for the catchment areas (partners search) | Promedio (Badajoz Province, Spain)** Promedio is searching for public

CONTRIBUTE

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Water Erasmus Tracker – Full list





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Support tools: Exchange tracker

Scottish Water (UK)	Scottish Water is interested in knowing approaches/best practices to dispose of residual/sludge from drinking water treatment processes.	Solved	 Read contributions
PROMEDIO (Spain)	PROMEDIO requested information on Emission Limit Values related to nutrients in effluents of small WWTP and their effects on the economic sustainability	Solved	 Read contributions
Eau de Paris (France)	Eau de Paris requested information on perchlorate standards for drinking water	Solved	 Read contributions



MEMBERS' ACTIVITIES

PROMEDIO | Request for information: Emission Limit Values in small WWTP (resolved)

The Spanish public water operator **PROMEDIO** (Badajoz) sent a request for information on the Emission Limit Values (ELV) related to nutrients in effluents of small WWTP and its effects on the economic sustainability of these small WWTPs that are forced to reduce nitrogen and phosphorus in the effluents.

Background: in Spain, each Hydrographic Confederation sets its quality criteria in the effluents and currently, there is no consensus between them, hence it is so interesting for us that the new revision of the Urban Waste Water Treatment Directive (91/271/EC) will put an end to this disparity in criteria.

Replied by:

- **France:** Franck Perru from SDEA (the operator of Alsace-Moselle In Eastern France)
- **Italy:** Annarita Mutta (Acque Veronesi/Viveracua)



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Support tools: Water Erasmus Search Engine



In this section, you can find a collection of innovative projects and good practices from APE members in all domains of water management. You can search for specific projects by typing any "keyword" in the Water Erasmus search bar, or you can use the filter the database by topic or by name of operator.

How does it work? ⓘ

LEAK

Narrow your search

Select a category to access topic filter

CATEGORY ▾ SELECT ANY TOPIC ▾ ORGANIZATION ▾

VIVAQUA | Leaks detection from the sky

operator: VIVAQUA

Leak detection

[Request an exchange](#)

Eau de Paris will install 3,000 acoustic water leak detectors

operator: EAU DE PARIS

Digitalisation Leak detection

[Request an exchange](#)

PROMEDIO: New equipment to reduce leaks and prevent water loss in pipes

operator: PROMEDIO

Leak detection

[Request an exchange](#)

MEMBERS' ACTIVITIES

VIVAQUA | Leaks detection from the sky

Water security and quality

Public management of water services

Since a satellite allows NASA to search for water on the moon, why not use this technology to search for leaks in the distribution network? VIVAQUA has done the test.

The principle is simple: 630 km above our heads, an on-board device scans the ground to a depth of 2 metres and measures its electrical resistance, which is different when the ground is waterlogged.

The VIVAQUA leak detection service uses the collected data and, using their regular equipment, locates the leaks precisely. In only four days, VIVAQUA was able to detect 14 leaks within the 6.8km that were surveyed. This job would have required more than a month using the standard technique.

This test is part of VIVAQUA's strategic project to reduce unbilled water volumes to 10% of total production by 2024. The action plan to achieve this goal includes

VIVAQUA

VIVAQUA

Wed, 10/20/2021 - 11:21

[Request an exchange](#)

PRINT THIS ARTICLE



Leak detection





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| Engaging members: challenges and strategies

Rich diversity of...

- Language - Culture
- Size
- Functions - Responsibilities
- Institutional set-up
- >> Managing different expectations ! <<

... An 'inclusive' approach

- Comprehensiveness
- Experimentation
- Adaptivity
- >> a customer-oriented attitude while acknowledging trade-offs



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Further questions?

The 5th
Global WOPs
Congress



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