



# Powering the Wastewater Renaissance: Emissions Reduction in Wastewater Management

2017 STOCKHOLM WORLD WATER WEEK

# Workshop agenda

- 09:00**    **Welcome**
- 09:05**    **Powering the Wastewater Renaissance**  
Mr. Randolph Webb – Europe Strategy Manager, Xylem Inc.
- 09:25**    **The State of Wastewater Emissions Abatement in Europe**  
Mr. Károly Kovács – Past-President, European Water Association
- 09:45**    **The Power of Partnerships in Wastewater: Updates from Hammarby**  
Mr. Christian Baresel – Research Manager, IVL Swedish Environmental Research Institute  
Ms. Aleksandra Lazic – Senior Treatment Process Engineer, Xylem Inc.
- 10:05**    **Scenario-based roundtable discussion:**  
Scenario 1 – Wastewater utilities continue business as usual  
Scenario 2 – Wastewater utilities lead in emissions reduction  
Scenario 3 – Wastewater utilities lag in emissions reduction
- 10:25**    **Summary and wrap-up**
- 10:30**    **Meeting close**



# Welcome

KÁROLY KOVÁCS – PAST-PRESIDENT, *EUROPEAN WATER ASSOCIATION*

# Workshop objective and outputs

## Workshop objectives:

- **Establish the industry knowledgebase** on the topic of emissions abatement in the wastewater sector;
- **Explore challenges and solutions** to taking action on these opportunities; and
- **Provide a platform for defining next steps** and avenues for collaboration.

## Workshop outputs:

- **Collection of lessons learned** from key stakeholders on unique challenges and opportunities;
- **Next steps** for future partnerships and collaboration, likely to include follow-up teleconferences and/or workshops; and
- **Summary report** for attendees that synthesizes the key outputs of the workshop and the defined next steps.



# Powering the Wastewater Renaissance

RANDOLF WEBB – EUROPE STRATEGY MANAGER, *XYLEM INC.*



# The State of Wastewater Emissions Abatement in Europe

KÁROLY KOVÁCS – PAST-PRESIDENT, *EUROPEAN WATER ASSOCIATION*



# The Power of Partnerships in Emissions Reduction

CHRISTIAN BARESEL – RESEARCH MANAGER, *IVL SWEDISH ENVIRONMENTAL RESEARCH INSTITUTE*

ALEKSANDRA LAZIC – SENIOR TREATMENT PROCESS ENGINEER, *XYLEM INC.*



# Scenario-based roundtable discussion

ALL WORKSHOP PARTICIPANTS



# We want you to consider three potential scenarios taking place in Europe Member States over the next 5 years...

1

## “Business as usual”



- There continues to be a slow, ad-hoc roll-out of emissions management initiatives, primarily with the large progressive utilities.

2

## “Leading role” in emissions reduction



- Majority of utilities of all sizes have programs in place to manage, reduce, and track wastewater emissions.

3

## “Lagging role” in emissions reduction



- Utilities de-prioritize emissions management.

**For each of these scenarios discuss questions such as...**

How likely is it that this scenario takes place?

What chain of events have lead us to this scenario?

What are the implications for utilities, industry and society?

How should the industry respond in this scenario?



# Summary and wrap-up

RANDOLF WEBB – EUROPE STRATEGY MANAGER, *XYLEM INC.*

# Key takeaways

- **TBD to be filled in during workshop**

# Thank you for attending and do stay in touch!

Contact details for workshop conveners:

- **Mr. Károly Kovács** – [kovacs.karoly@BDL.hu](mailto:kovacs.karoly@BDL.hu)
- **Mr. Christian Baresel** – [christian.baresel@ivl.se](mailto:christian.baresel@ivl.se)
- **Ms. Aleksandra Lazic** – [aleksandra.lazic@xylem.com](mailto:aleksandra.lazic@xylem.com)
- **Mr. Randolph Webb** – [randolf.webb@xylem.com](mailto:randolf.webb@xylem.com)

Links for additional information:

- <http://www.ewa-online.eu/>
- <http://www.ivl.se/>
- [www.xylem.com](http://www.xylem.com)
- <http://poweringwastewater.xylem.com/>