

# Delivering on Net Zero Carbon in Wastewater Management: Progress and Prospects

13th July 2021, Virtual Conference

AquaEnviro

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Conference Opening and Welcome	
9.30 – 9.35	Chair: Rowland Minall, General Manager, Aqua Enviro
Keynote Talk	
9.35 – 9.55	<b>Dŵr Isel – our Journey to Zero</b> Tony Harrington, Director of Environment, Dŵr Cymru Welsh Water
Carbon Quantification and Evaluation	
10.00 – 10.20	<b>Experiences and insights from long term nitrous oxide emissions measurements in the Netherlands</b> Paul Lavender, Director, Water Utilities UK, Royal Haskoning, UK
10.20 – 10.40	<b>Laughs and Leaks – taking action on process emissions</b> Jose Porro, CEO and Founder, Cobalt Water Global
10.40 – 11.00	<b>Carbon footprint comparison of wastewater treatment plants located in the Baltic Sea region</b> Mojtaba Maktabifard, Master of Engineering, Faculty of Civil and Environmental Engineering, Gdansk University of Technology, Poland
11.00 – 11.20	<b>Round-table discussions and networking</b>
11.20 – 11.30	COMFORT BREAK
Panel Discussion	
11.30 – 12.00	<b>Do we think that carbon neutrality goes far enough?</b> Tony Harrington, Caroline Samberger and Dan Green
12.00 – 12.45	LUNCH BREAK
Chair: Paul Lavender, Director, Water Utilities UK, Royal Haskoning	
Evaluating and Managing Biosolids	
12.45 – 13.05	<b>The influence of advanced anaerobic digestion and thermal hydrolysis on the carbon impact of sludge processing</b> Bill Barber, Technical Director, Cambi Inc, USA
13.05 – 13.25	<b>Quantification of nitrous oxide and methane (N<sub>2</sub>O, CH<sub>4</sub>) and GHG greenhouse gas emissions from wastewater treatment assets: status on estimating methods and reduction methodologies</b> Caroline Samberger, Principal Process Engineer, Stantec, UK

13.25 – 13.45	<b>Solving operational problems at AAD plants - a new approach for implementing vacuum degassing of digested sludge</b> Maria Dittman, Product Manager, Eliquo Technologies GmbH, Germany
13.45 – 14.05	<b>Utilizing algae to sequester carbon at wastewater treatment plants</b> Jens Dancer, Process Engineer, Gross-Wen Technologies (GWT), USA
14.05 – 14.30	<b>Round-table discussions and networking</b>
14.30 – 15.00	AFTERNOON BREAK
<b>Nutrient Control</b>	
15.00 – 15.20	<b>The path to net zero carbon in wastewater: leveraging integrated process &amp; carbon footprint models</b> Malcolm Fabiyi, COO, 3Degrees, USA and Dr Rajeev Goel, President, Hydromantis Environmental Software Solutions, Canada
15.20 – 15.40	<b>The big N in Net Zero</b> Andrew McLeod, Bioresources Process Engineer, Jacobs, UK
15.40 – 16.00	<b>Exploring the Potential of MABR Technology to Mitigate N2O Emissions</b> Guiseppe Guglielmi, Product Manager ZeeLung – Europe, Suez Water Technologies & Solutions, Italy
<b>Keynote Talk</b>	
16.05 – 16.25	<b>Achieving Net Zero and beyond</b> Dan Green, Head of Sustainability and Innovation, Wessex Water
16.25 – 16.30	<b>Close</b>