





Bio of panellists and speakers

Chair Aisha Bello-Dambatta, Dŵr Uisce project researcher, Bangor University

Aisha is an interdisciplinary researcher in water science and engineering with experience in water systems engineering, water demand management, and climate change impacts assessments. On the Dŵr Uisce project, Aisha works mainly on the auditing, rating, and benchmarking of the energy performance of a range of water demands, including demands of leisure centres, and assessing the environmental and climate change impacts of different demand management interventions.

Opening remarks Aonghus McNabola, Dwr Uisce project PI, Trinity College Dublin

Aonghus McNabola is a Professor in Energy and the Environment at the Dept of Civil, Structural, and Environmental Engineering at Trinity College Dublin. His research interests lie in the field of Environmental Fluid Dynamics where he has applied this expertise in air pollution, energy efficiency and/or water services sectors. He has been active in this field of research for over 15 years.

Panellists

Lester Simmonds, Pool Sentry

Lester has a PhD in environmental physics, working for 7 years as a research scientist with Professor John Monteith at Nottingham University and as a senior lecturer at Reading University for 20 years. Lester's main area of research was measuring and modelling water and solute dynamics in environmental systems. This involved work with NASA and the European Space Agency to provide the scientific underpinning for using satellite remote sensing to provide global maps of soil moisture. Lester has published over 50 peer-reviewed scientific papers, has trained scientists from around the world and developed on-line teaching materials.

In 2004 Lester and two colleagues formed a company, Pool Sentry, to put some of this science into practice, focussing on helping pool operators run their pools better. Pool Sentry is now the industry leader in developing quantitative understanding of how pools function, providing a sound basis for improving pool management and reducing operating costs and carbon footprint. Pool Sentry works with universities in the UK and USA and works with the UK Pool Water Treatment and Advisory Group (PWTAG) to develop science-based guidelines for the pool industry. Lester is also a keen rock climber and enjoys running in his beloved Peak District with Rolo!













Tony Gordon, Showersave

Tony Gordon has been involved in renewable and sustainable technologies for 16 years, notably introducing new products to the UK market. Tony has introduced the category of wastewater heat recovery into the UK through BRE and SAP. He has been involved in lobbying policy and decision makers on improving performance of Wastewater Heat Recovery Systems (WWHRS) in SAP and getting commercial systems recognised by BRE in SBEM.

Tony is MD of Showersave – the first, brand leading and most efficient WWHRS in the market and the product of choice for many of the UK's leading house builders and specifiers.

Adam Dyson, Buro Happold

Adam Dyson work for Buro Happold which is an international multidisciplinary engineering consultancy. He works in the Leeds Building Environments team looking at MEP systems and sustainability. He started working at Buro Happold in 2007, primarily internationally in Ireland and the Middle East. In 2012 Adam took a break from Buro Happold to complete a PhD at University of Leeds in Energy, and then re-joined Buro Happold in the Leeds Office. Adam's recent work has included Covid-19 Consultancy, providing advice to existing clients as to what retrofit or interventions may be appropriate for their estate to minimise Covid-19 spread.

Michael Keane, Mark Eire BV

Michael Keane is an Area Sales Manager with Mark Eire with over 30 years. With a technical background he has designed heating systems for many large-scale diverse projects. Michael spends 90% of his time working with Consultant Mechanical and Electrical Engineers. Along with securing many projects with Hospitals, Pharma, Food, Medical devices and others, Michael has worked on numerous pool hall heating projects, both private and public. Michael has experienced, and overcome, many of the obstacle with such applications. Being very conscious of energy usage and CO₂ reduction, Michael brings this knowledge to all of his designs. Michael also has lots to say on the lifespan of units in particular environments, and how they can be made to last in such environments.

Closing remarks

Prysor Williams, Dŵr Uisce project PI, Bangor University

Prysor Williams is a Senior Lecturer in Environmental Management at Bangor University with a broad range of research interests, including looking at ways to reduce the environmental impacts of industries through prudent use of resources. In recent years, this has involved working with the food, drink, and leisure sectors to explore opportunities for energy recovery (heat and electricity)













from water. He is very much interested in applied research that has relevance to the public and private sectors, and he sits on a number of external committees.





