

MINIMISING WATER IMPACTS OF THE BUILT ENVIRONMENT – GLOBAL KNOWLEDGE SHARE

2nd December 2015 – Arup London offices or via webinar



ARUP

10.00 hours	Registration and Refreshments
10.15 hours	Introduction to morning session by Jean Spencer – Anglian Water
10.25 hours	Overview of topic and event by Martin Shouler - ARUP
10.30 hours	<p>Water Company Presentation 1: “Leaky Loos” We will present the findings from a physical investigation into leakage (or wastage) from domestic water closets (WCs) in the UK. The key objective of the study was to refine our understanding of the scale (quantity of water wastage and number of WC’s leaking) of the issue and to identify if any particular groups of households are more likely to have leaking WCs. Further to this the project also aimed to identify in more detail the technical reasons for leaks occurring in WCs so that a strategic approach, to reduce the amount of leakage and to prevent further leakage in the future, can be developed. Presenters: Nic Gilbert (Affinity Water) & Stuart Ballinger (Ricardo AEA)</p>
10.50 hours	<p>Water Company Presentation 2: “Expanding The Evidence Base” The Collaborative Fund commissioned this project to update the Evidence Base with new water efficiency projects. Dwr Cymru Welsh Water were nominated as the lead water company and awarded Artesia to deliver after a successful tender application. This project presents statistical analyses for 25 water efficiency projects three metering projects and one greywater recycling project, with very interesting results. Recommendations are made regarding future research in this area, particularly to measure the longevity of savings, the effects of compulsory metering and the costs and benefits of rainwater and greywater systems Presenters: Andy Blackhall (Welsh Water) & Rob Lawson (Artesia)</p>
11.10 hours	<p>Water Company Presentation 3: Thames Water are delivering the largest water saving targets in the UK water sector in AMP6 across domestic and commercial customers. Come and hear about how this is being delivered in parallel to smart metering rollout and as bespoke demand management initiatives – including home retrofitting, water audits, businesses and schools, and water efficiency communications, propositions, tools and advice. Presenters: Thames Water (Andrew Tucker/Rosie Rand)</p>
11.30 hours	<p>Water Company Presentation 4: “Showering Behaviours” We will present the results of a large scale UK study aimed at generating novel insights into showering behaviour in the UK. Using sensor technology, we gathered objective data on showering behaviour, which, combined with self-report measures, paints a fuller picture of shower use in the UK. The study also tested whether a water efficiency intervention based on behaviour change principles resulted in shorter showers and decreased water use. Presenters: Hilde Hendrickx (Unilever) & Doug Clarke (Severn Trent)</p>
11.50 hours	Q & A Session
12.20 hours	Lunch and “suitcase” exhibition
13.20 hours	Introduction to afternoon session by Martin Shouler - ARUP
13.30 hours	Plenary Sessions – to be held in parallel
	<p>Plenary Session 1 “Technology & People” Looking at the role of community engagement in the uptake of technology and behaviour change. Presenter : Behavioural Insights Team (Elizabeth Costa)</p>
	<p>Plenary Session 2 “The role of water efficient fixtures and fittings in reducing diurnal peak flows” Looking at the potential of low flow fixtures and fittings in levelling out diurnal peak flows and thus, the volumes to which buildings and infrastructure are designed to. Presenter: Propelair (Garry Moore) ARUP (tbc)</p>
	<p>Plenary Session 3 “The potential for water re-use in bridging the supply gap”. What role can water re-use play in reducing water supply gaps? Presenter: Aquality (Lutz Johnen)</p>

Plenary Session 4 “Future water challenges and the research response required” Looking at what the major future water challenges are and the research needs that must be addressed in order to meet those future challenges. Presenter : ARUP (Martin Shouler)

15.00 hours

Conclusion and final Q&A session

15.30 hours

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