



## Data standards & protocols for real-time communications in the water industry

22 January 2014

Severn Trent Centre, 2 St John's Street, Coventry, CV1 2LZ, West Midlands

A number of technical, operational and business requirements are driving the need for greater integration of data derived from disparate sources. 'Real-time' systems such as SCADA and telemetry, enterprise applications such as asset management and maintenance distributed measurements systems such as data loggers and network sensors all need to share data to improve decision making and deliver smarter operations.

Two key challenges present themselves when attempting to integrate data from diverse, multi-vendor and distributed systems: the protocols and media used to transfer the data; and the meaning, context and understanding of the data which has been transferred.

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**Chair: Laurie Reynolds, Aquamatix**

09.30 Tea, Coffee & registration

Session 1: Telecommunication protocols, in particular new wireless protocols

10.00 Introduction and overview, Chairman, Laurie Reynolds, Aquamatix

10.10 Overview of Telecommunications in UK water industry, Roger Howell, TAUWI

10.25 Current position on WITS, Martin Pritchard, WITS

10.45 Overview of emerging messaging protocols. e.g, MQTT & XMPP Nick Allott, UbiAPPS

11.05 Tea & Coffee, Networking

11.30 "Weightless: The emerging global wireless standard for linking sensors and devices", Prof William Webb, Weightless SIG

11.55 Perspective of a water industry instrument vendor, Jim Pickering, Envitech Ltd.

12.15 Panel Session

12.40 Discussion & Lunch

Session 2: Data standards and information models

13.40 The business perspective of data standards, Andrew Wall, Head of Standards, United Utilities

14.05 BIM – an information model for built environment, Matt Blackwell, Costain

14.30 SWIM – a semantic ontology for interoperability, Laurie Reynolds, Aquamatix Ltd

15.00 Smart analytics + sustainable thinking = better businesses, Paul Street, 2Sustain Ltd.

15.20 Panel Session

15.45 Discussion & Close

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**SWIG REGISTRATION:** The cost of attending the Workshop is £80.00 inc VAT for SWIG members. £145 inc VAT for non-members. Literature may be distributed for a fee of £60 and a limited number of table top displays are available at £115 each. Registrations can be made by Tel 01934 830658 or by email to [rosa.richards@swig.org.uk](mailto:rosa.richards@swig.org.uk) or using the on-line booking form. **Please advise of any special dietary requirements at time of booking.** Cancellation policy: Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.