

---

Subject Water Frontiers: Strategies for 2020 and beyond – WATEF Conference

Date 25 July 2016

Job No/Ref

WATEF 4th Annual Water Efficiency Conference

Chair: Professor Sue Charlesworth, Centre for Agroecology, Water and Resilience

Location: Coventry University, UK

Date: 7- 9 September 2016

Keynote synopsis

[Future Water Challengers – The \*Drivers of Change\*](#)

[Martin Shouler Associate Director | Global Environmental Services Engineering Skills Leaders](#)

Globally, the water sector faces many challenges in delivering safe, sustainable water for the needs of mankind whilst minimising its impact on the environment. These challenges include growing scarcity, growing demand, increasing energy costs and the impact of chemicals discharged into the environment. A glance at the SDGs (Sustainable Development Goals) indicates the need for concerted efforts on the part of scientists, engineers, researchers and practitioners to innovate and disseminate practical integrated solutions to traditionally perceived engineering problems. With growing urbanisation, these issues are keenly felt at the city scale and there is a need to consider water holistically. The presentation will explore the '*Drivers of Change*' that impact the water cycle, how water urban system can be viewed systematically and propose practical interventions we could take.

Only by taking a systematic view can one gain insights for shaping future water requirements in complex issues such as sustainability, resilience and future development.