



**Smart Solutions for
Water Resilience**

31 OCTOBER - 2 NOVEMBER 2019
HONG KONG



Keynote Session 3.1: Smart Water Quality Management I
1 November 2019

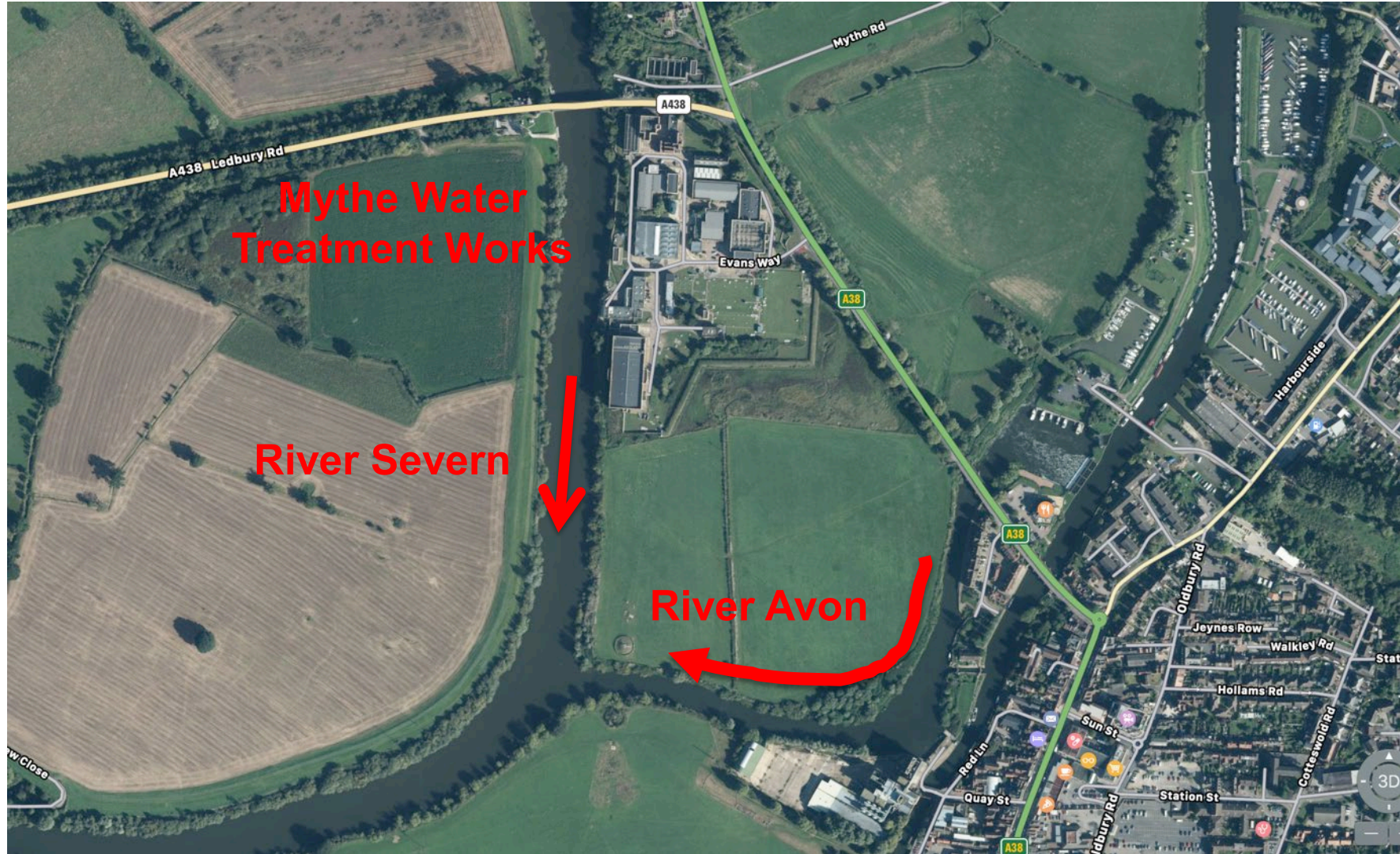
Learning from the Past and Thinking of the Future

David Wickens
President

CIWEM Chartered Institution of
Water and Environmental
Management







**Mythe Water
Treatment Works**

River Sever

River Avon

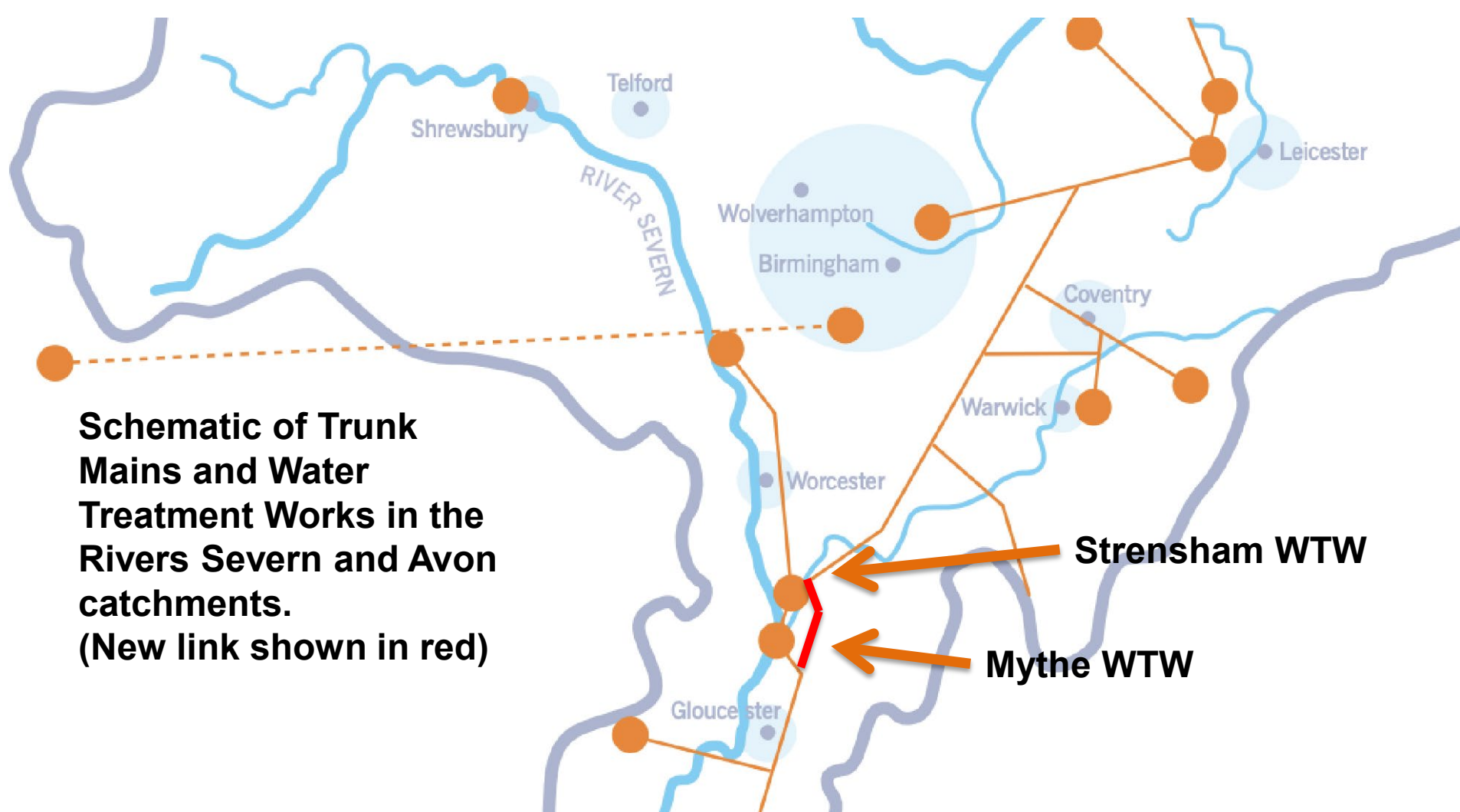
An aerial photograph showing a large industrial complex, likely a water treatment works, surrounded by extensive flooding. The complex consists of several large, interconnected brick buildings with flat roofs. To the left, a bridge crosses a narrow channel of the floodwater. The surrounding landscape is mostly submerged, with only some trees and distant buildings visible above the water level. The water is a muddy brown color. Two text labels with red arrows are overlaid on the image to identify the rivers.

**Mythe Water
Treatment Works**

River Avon

River Severn

**Schematic of Trunk
Mains and Water
Treatment Works in the
Rivers Severn and Avon
catchments.
(New link shown in red)**



2EDD

2,ethyl-5,5'-dimethyl-1,3-dioxane



120 Km



The thermostat should be set at an elevated temperature, for example at 60 °C, in order to maintain the temperature of the water for a minimum of 30 seconds.

Any odour present in the water should be detected by removing the seal from the mouth of the bell-jar and smelling the contents of the jar.

An immediate subjective assessment of the odour should be recorded.



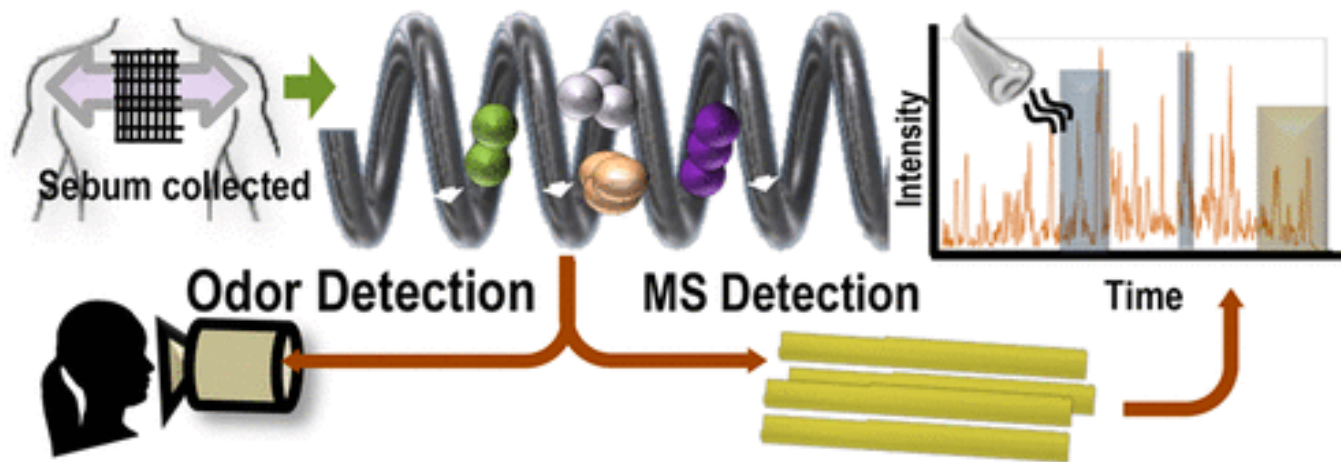


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The woman who can smell Parkinson's disease





'Discovery of Volatile Biomarkers of Parkinson's Disease from Sebum'
ACS Central Science
20 March 2019

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Glasgow scientists develop artificial tongue to tackle fake whisky

🕒 6 August 2019

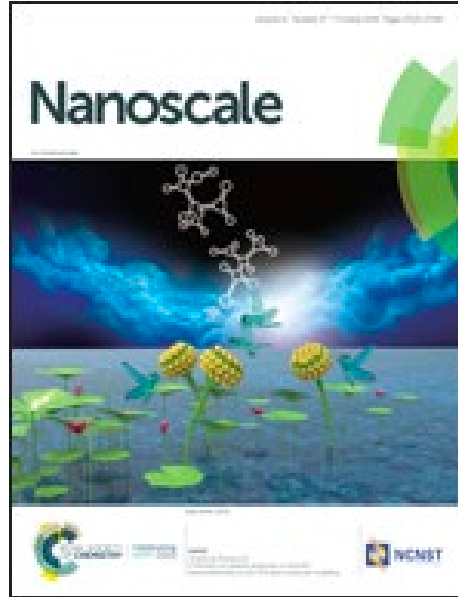


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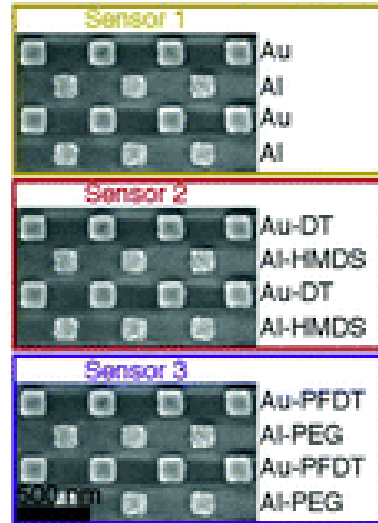


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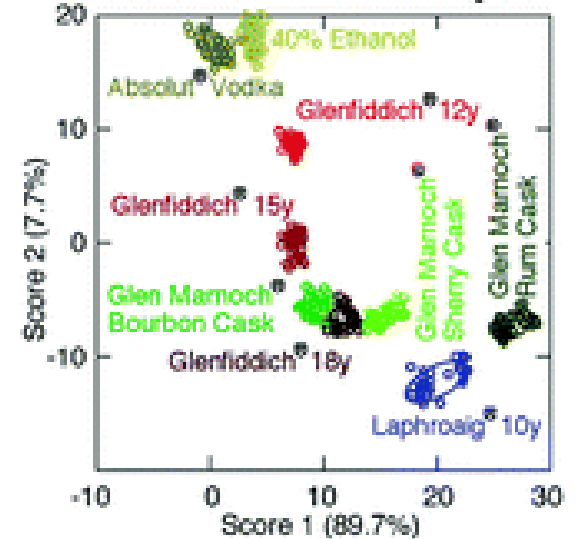




Bimetallic Tongue



Whisky Identification by Linear Discriminant Analysis



‘Whisky tasting using a bimetallic nanoplasmonic tongue’

Journal ‘Nanoscale’ published 03 Jul 2019

