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**Water Innovation  
& Research  
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## Contents

### [Upcoming events](#)

#### News

[New project: Optimising water quality returns from the reform of the Common Agricultural Policy \(CAP\)](#)

#### Research

[Publication selected as editor's choice in Water Science and Technology](#)

#### Blog

[Hydraulic modelling of Bath's historical floods pre-Bath flood defence scheme: part I](#)

### [Recent publications](#)

### [Upcoming conferences](#)

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## Upcoming events

29 April 2020: [GW4 WSA \(Water Security Alliance\) Research RendezVous with James Rand and Jack Greenhalgh](#)

1 May 2020: IMI (Institute for Mathematical Innovation) online event series on 'Pathways to Climate Resilience' - [Waving not Drowning? Managing water in a climate emergency](#).

29 September 2020: [GW4 WSA PHD CON2020: Knowledge flow - building bridges between science & community](#).

Please note that all these events are free and open to all.

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## [New project: Optimising water quality returns from the reform of the Common Agricultural Policy \(CAP\)](#)

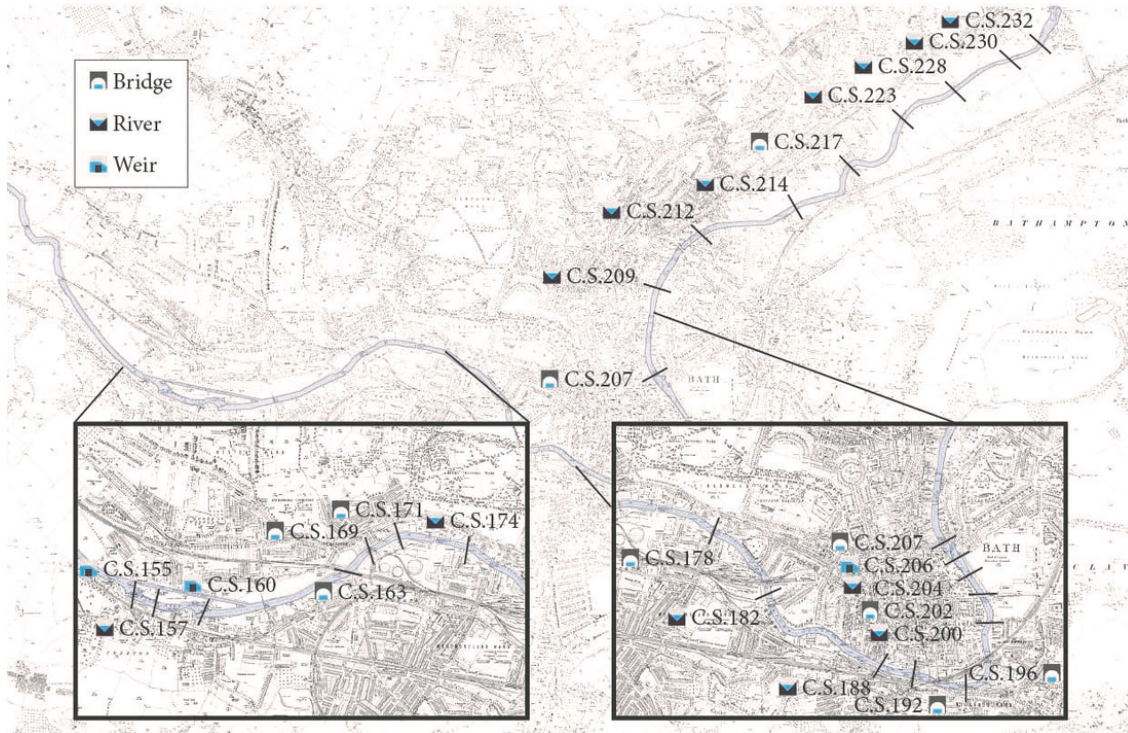
WIRC, together with the [Institute for Policy Research](#) (IPR), the [Centre for Sustainable and Circular Technologies](#) (CSCT) and [An Fóram Uisce \(The Water Forum\)](#), is working on a new research project seeking to examine the role of the CAP in improving Ireland's agricultural impact on water quality. Professor Jan Hofman and Professor Barbara Kasprzyk-Hordern are part of the project team.

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## Research

### [Publication selected as editor's choice in Water Science and Technology](#)

In March this year the editors of Water Science and Technology journal selected an article by colleagues from the [Water Innovation & Research Centre](#) at the University of Bath, in collaboration with [KWR](#) and [TU Delft](#) in the Netherlands, as the [Editor's Choice](#), on account of its scientific importance. The paper describes work conducted by [WISE CDT](#) research student Olivia Bailey during her PhD research, supervised by Prof Jan Hofman and Dr Tom Arnot, and it developed a model which, based on varying household water use, predicts the water discharge and water quality in the sewers.



## [Hydraulic modelling of Bath's historical floods pre-Bath flood defence scheme: part I](#)

Ioanna Stamataki and Thomas Kjeldsen write on the [Hydric-Bath](#) blog about their work on a 1D hydraulic model of the stretch of the Bristol Avon flowing through the City of Bath as it was predating the current [Bath Flood Defence Scheme](#). Hydraulic models are a numerical representation of a river and are used for reconstruction of historical flood events but also for flood prediction, planning, catchment management, mitigation strategies and future infrastructure works.

## Recent publications

- [Future perspectives of wastewater-based epidemiology: Monitoring infectious disease spread and resistance to the community level](#). Sims N & Kasprzyk-Hordern B, 2020.
- [Hydrodynamic performance of a dual-floater hybrid system combining a floating breakwater and an oscillating-buoy type wave energy converter](#). Zhang H, Zhou B, Vogel C, Wilden R, Zang J & Geng J, 2020.
- [Rapid and on-site simultaneous electrochemical detection of copper, lead and mercury in the Amazon river](#). Bernalte E, Arévalo S, Pérez-Taborda J, Wenk J, Estrela P, Avila A & Di Lorenzo M, 2020.

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## Upcoming conferences

18 - 23 October 2020: Copenhagen, Denmark, [IWA World Water Congress & Exhibition 2020](#)

30 November - 3 December 2020: Bilbao, Spain, [IWA Digital Water Summit](#)

21 - 26 February 2021: Reno, USA, [17th IWA Leading Edge Conference on Water and Wastewater Technologies](#) (new date)

You can find all IWA events on their [website](#).

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Let us know if you are aware of any new colleagues or students working within water research at the University of Bath, so that we can add them to our mailing lists!



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