



# Service Reservoirs: Challenges, Innovations, and Collaborations

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*One day webinar – hosted by ‘Material Destiny’, UoS*

**Date:** 20<sup>th</sup> May 2021

**Time:** 10:30 – 13:00

**Location:** Virtual via GotoMeeting

## Agenda

10:20 am to 10:30 am **Everyone joining**

10:30 am to 10:40 am **Introduction to the day** – Anastasia Doronina (University of Sheffield)

### Overview and challenges

10:40 am to 10:50 am ***Aging infrastructure – challenges and opportunities*** – Ian Hope (Severn Trent Water)

10:50 am to 11:00 am ***Understanding SR performance and integrity using historical data to determine best future practice*** – Clervie Genevois (University of Sheffield)

11:00 am to 11:10 am **Questions** for the presenters and discussion

### Service reservoir performance

11:10 am to 11:20 am ***Assessing and quantifying SR performance using a practical metric; source or sink of material?*** – Anastasia Doronina (University of Sheffield)

11:20 am to 11:35 am ***Using mixers and ROVs to improve water quality in SRs*** – Jim Panton (Panton McLeod) and Helen Guy (Northumbrian Water)

11:35 am to 11:45 am **Questions** for the presenters and discussion

11:45 am to 12:00 pm **Break**

[Microbial aspects](#)

12:00 pm to 12:10 pm ***How can we better monitor SR performance to keep water microbiologically safe?*** – Leila Claveau (Cranfield University)

12:10 pm to 12:20 pm ***White-box data-driven approaches for water deterioration prediction in SRs*** – Grigorios Kyritsakas (University of Sheffield)

12:20 pm to 13:00 pm **Questions** for the presenters and general discussion

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