










Digital Water: Technologies in Monitoring, Surveillance, and Evaluation

On the 11 November 2020, CREW hosted a webinar that brought together academics from the James Hutton Institute (Hutton) and the University of Stirling (UoS). The teams discussed how the digital revolution is transforming water research and how, with transformation, comes tremendous opportunities for the water industry, regulators and practitioners. In a series of 5 minute spark talks the research teams shared exciting developments in digital water research.

Initial discussions also touched on:

- Which Scottish (& wider) research teams are leading in the 'Digital Water' space?
- How to enable future collaborations between organisations?
- How to use our expertise to address wicked water-related challenges in the future?
- The importance of engaging the wider stakeholder community through research to realise impact.
- Horizon scanning (Funding opportunities)

Presentations:

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| Rachel Helliwell (CREW) | Introduction: Digital water technologies in monitoring, surveillance and evaluation |  |
| David Oliver (UoS) | Plastics and Pathogens |  |
| Andrew Tyler (UoS) | Forth-Environmental Resilience Array |  |
| Peter Hunter (UoS) | UK Lakes Observatory |  |
| Jens Subke/Phil Wookey (UoS) | Carbon stocks and fluxes across landscapes |  |
| Kit Macleod (Hutton) | Digital land and water environments: needs, opportunities, and challenges for Scotland and Malawi |  |
| Matt Aitkenhead (Hutton) | Soil & water sensing |  |
| Steve Addy (Hutton) | Digital observations of catchments and rivers |  |
| Reza Haghi (Hutton) | Sensors for water quality: UV and fluorescence |  |

