

BHS2026: FDRI Innovation Session

Call for Contributions

Day 1 (2 September 2026) · Slot 2 · Stream 3 | University of Leeds

[The Floods & Droughts Research Infrastructure \(FDRI\)](#) is running an interactive innovation session at the 16th National Hydrology Symposium (BHS 2026): we want you to bring your ideas and innovations on how new technologies, data approaches and collaborative methods could advance hydrology. Whether you have an early-stage idea, a working prototype, a novel monitoring approach or simply a challenge you'd like to discuss, we'd love to hear from you.

This opportunity is also available to those who did not manage to secure a space at BHS 2026.

How the session works

1. Optional flash pitches (2 minutes)

Introduce your idea, challenge or innovation to the room.

2. Innovation Showcase & Discussion

Continue the conversation around posters, prototypes, sensors, software demonstrations or informal discussions. This informal showcase is an opportunity to exchange ideas, gather feedback, find collaborators and explore how FDRI could support future development. Bring along:

- a research challenge or idea
- a prototype or sensor you've built
- a monitoring workflow or software tool
- a telemetry or data solution
- a citizen science initiative

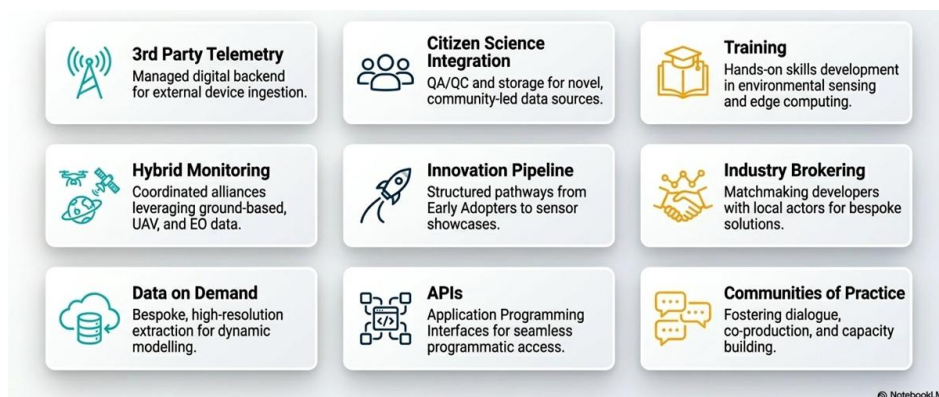
You are welcome to bring a poster, but this is not obligatory.

Example topics

- Novel sensing technologies, smart sensor networks and telemetry services
- AI, machine learning and edge computing
- Integration of ground and remotely-sensed data
- Citizen science initiatives
- Community and participatory environmental monitoring
- Open data and novel approaches to data governance
- Nature-based solutions evaluation
- Water quality and biogeochemistry
- Environmental DNA (eDNA) and bioacoustics
- River restoration and nature-based solutions
- Cross-disciplinary projects combining hydrology with ecology, agriculture, environmental management or social science

What is FDRI?

FDRI aims to provide more than just monitoring sites and data. Alongside a network of instrumented catchments and access to long-term environmental datasets, we're developing enabling services to help researchers, innovators, industry and communities turn ideas into real-world demonstrations and impact, including:



If you'd like to give a flash pitch

When you submit, just tell us a little more about it in a few sentences — no need for a formal write-up. Feel free to touch on:

- What the approach, technology or innovation is
- Why it's interesting or important
- Any barriers or opportunities
- How FDRI could help

[Apply Here](#)

If you're already registered for BHS 2026

- You can express your interest at any time, right up until a few days before the symposium (subject to space in the session).

If you're not yet registered for BHS 2026

- Please submit by Friday 31 July 2026 or earlier (applications on the 31st will still need to go through approval and finance processes which could lead to unsuccessful applications)
- This allows us to arrange late conference registration if your pitch is accepted (conference registration fees still apply).
- Please indicate on the form that you are not currently registered.

Notification

We'll confirm participation as applications are received, with final confirmations issued before the symposium.

Contact Luke Tumelty [l.tumelty@imperial.ac.uk] with any questions about the session.