

FDRI

FLOODS & DROUGHTS
RESEARCH INFRASTRUCTURE

Help the UK better prepare for floods and droughts

Host environmental monitoring equipment

We are inviting landowners in key locations within the Chess, Upper Severn and Upper Tweed areas to host equipment for the groundbreaking **Floods and Droughts Research Infrastructure**.

FDRI will improve our understanding of floods and droughts locally as well as across the UK, supporting practical solutions from improved early warning systems to nature-based flood management.

Examples of FDRI monitoring equipment



Rain gauges to record rainfall and snow amounts and intensity.

Soil moisture sensors to monitor daily soil moisture averaged over 12 hectares, without the need to instrument the whole field.

Height: 2 m
Area: 10 m x 6 m



Boreholes and water level sensors to measure groundwater levels.

Area: less than 1 m², infrastructure underground. Enclosed by a small metal or plastic box. Possible small solar panel above ground



Weather stations to measure air temperature, humidity, atmospheric pressure, rainfall, wind speed and direction, sunshine.

Height: 3 m
Area: 15 m x 6 m

Casing for equipment, if requested.

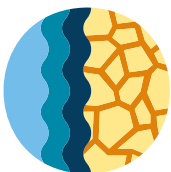
Height: 1 m
Area: 34 cm x 58 cm, with a 30 cm plinth below ground



Notes on hosting monitoring equipment

- Equipment will vary according to location and monitoring requirements. The FDRI team will work with you to ensure landowner and tenant needs are considered and to minimise the impact on your land.
- Equipment will be powered using battery or solar power.
- Equipment can be fenced to protect livestock and ensure safety.
- On completion, the equipment will be responsibly removed.

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learn more



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