



# FLOOD PORTAL

## Information system to support local flood risk

### Flood Portal



Flood Portal helps Lead Local Flood Authorities (LLFAs) to quickly and effectively comply with new legislation by recording

asset information and flood incidents. The system is flexible and modular allowing LLFA to share information with risk management authorities and stakeholders to support effective local flood risk management. It enables LLFAs to determine in real time the flood risk to each of their assets and enable intervention actions to be taken to minimise risk.

#### New responsibilities in 'local flood risk'

Under the Flood and Water Management Act (2010) and the Flood Risk Regulations (2009) LLFAs have been given significant new roles and responsibilities to manage 'local flood risk'.

Under the Act LLFAs will:

- take a leadership role for local flood risk management in partnership with other key organisations;
- investigate flooding incidents where they deem it necessary and appropriate;

- maintain a register of assets and designate assets to protect them from being removed, altered or replaced without the LLFAs consent;
- become the responsible organisation for consenting works on ordinary watercourses (currently rests with the EA), and;
- become the SUDS Approval Body, which will require them to approve sustainable drainage systems for new development prior to development, and to subsequently adopt and maintain them.

#### About Flood Portal

Flood Portal provides a single location for all local flood risk information. It is accessed via a 'web portal' where data can be easily, captured, updated and reported. It provides an efficient means of sharing information across risk management authorities and other stakeholders.

#### Features of Flood Portal

Some of the features available in Flood Portal are:

- Secure web interface, with multi user permissions and delegations of authority
- Add and edit flood incident and investigation records
- Add and edit asset register and designation records
- Ability to add custom fields to incidents and assets records
- GIS mapping for visual representation of incidents and assets

- Ability to sort, select, chart and map all records and report in a variety of pre-formatted report types
- Analyse flood incident data for 'vulnerable' hot-spots
- Analyse asset / flood Incident relationships
- Identify LLFA owned Assets at risk from flooding
- Provide audit trail of application use by all users
- Compatible with existing systems, including hardware and software
- Smartphone access



## Case study – Gloucestershire County Council

Flood Portal for Gloucestershire County Council (GCC), can be accessed by both GCC and its local flood risk management partners to enter, store, view, edit and share relevant information on local flood risk management (LFRM). Key benefits include:

- providing a single location for relevant flood related GIS information, which results in county-wide consistency and cost efficiencies
- providing a 'live' tool which is easy to use and update, ensuring all risk management authorities are working to the same information;
- helping GCC to fulfil its obligations under the Flood and Water Management Act, and;
- allowing risk management authorities in Gloucestershire to access, view and edit relevant information, which will support their role in LFRM

## Additional modules for Flood Portal

### ■ SUDS Approval Body

Under Schedule 3 of the Flood and Water Management Act LLFAs will become the approval body for drainage systems for new development. LLFAs will have to approve the drainage proposals prior to construction work commencing, and will need to subsequently adopt and maintain the drainage systems.

Flood Portal can support this process by providing a:

- mechanism for viewing drainage proposals;
- standardised and consistent workflows for the LLFA (and risk management authorities) to comment on drainage proposals, and;
- asset management system for drainage systems.

### ■ Consenting and enforcement

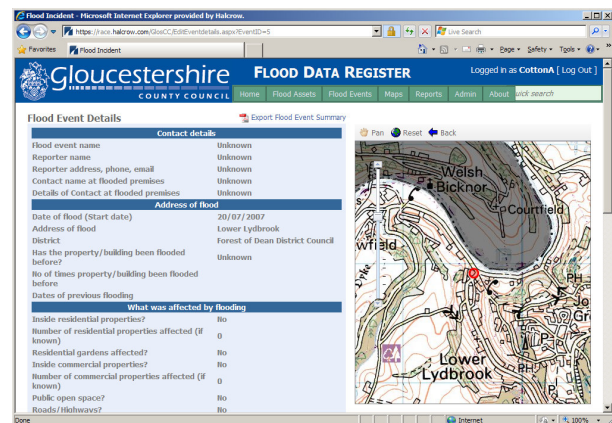
LLFAs will become the responsible authority for consenting works on ordinary watercourses, once Schedule 2 of the Flood and Water Management Act is fully commenced.

Flood Portal provides a standard process to track incoming consenting applications, and determine whether consent will be granted to undertake the works.

### ■ Real-time flood warning and forecasting

As an Environment Agency licensed flood warning service provider Halcrow is able to provide real-time flood warning feeds as part of Flood Portal. This enables LLFAs to determine the flood risk to each of their assets and enable intervention actions to be taken in order to minimise risk.

LLFAs can also undertake 'live' model simulations based on predictive rainfall to identify areas which may be at risk of pluvial flooding.



Gloucestershire County Council version of Flood Portal

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