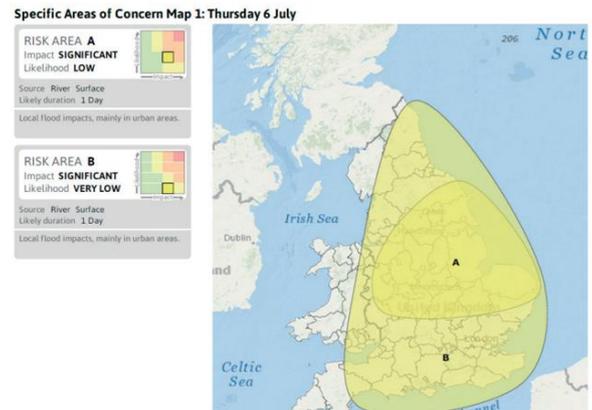


Case study: Leicester, Leicestershire and Rutland Resilience Forum use FloodMap Live in time for 2019 summer floods following successful pilot

Introduction

The Leicester, Leicestershire and Rutland Local Resilience Forum (LLR Prepared) has experienced a history of localised flooding. Leicester is ranked 16th out of 4215 UK settlements for surface water flood risk with 36,900 properties occupying flood-prone areas (Defra, 2009). Existing flood forecasting systems (right) have been insufficient to support LLR Prepared's response to major flood events in 2007 and 2012 due to their low resolution and poor accuracy.



Existing 2nd generation surface water flood forecasting alerts offer only regional assessments

Why change?

Like most resilience forums, LLR Prepared currently only have access to the Environment Agency's 2nd generation flood forecasting solution which has no localised surface water capacity. In response, LLR Prepared has been looking for a solution that can support their emergency response with actionable intelligence to help plan for and respond to flooding. By working together with Loughborough University to outline their requirements, they helped FloodMap Live emerge as a 3rd generation flood forecasting system that combines nowcasting with continuous modelling to predict surface water flooding at an individual property level.

Why Previsico?

Following successful pilots of FloodMap Live as a Loughborough University research project, LLR Prepared have become a pioneer of its surface water flood forecasts, using the system to support responders in 2019 as it is the best available source of insight during flood events.

"What began with an exploratory chat about flooding in Leicester, Leicestershire and Rutland is now a useful, lifesaving system. The team have worked hard to make this work and not been afraid to test it in real exercises with emergency services and partners here first. Applied worldwide, FloodMap Live can save lives and livelihoods."

Leicestershire Police Chief Constable and Local Resilience Forum Chair,
Simon Cole QPM

Delivering results

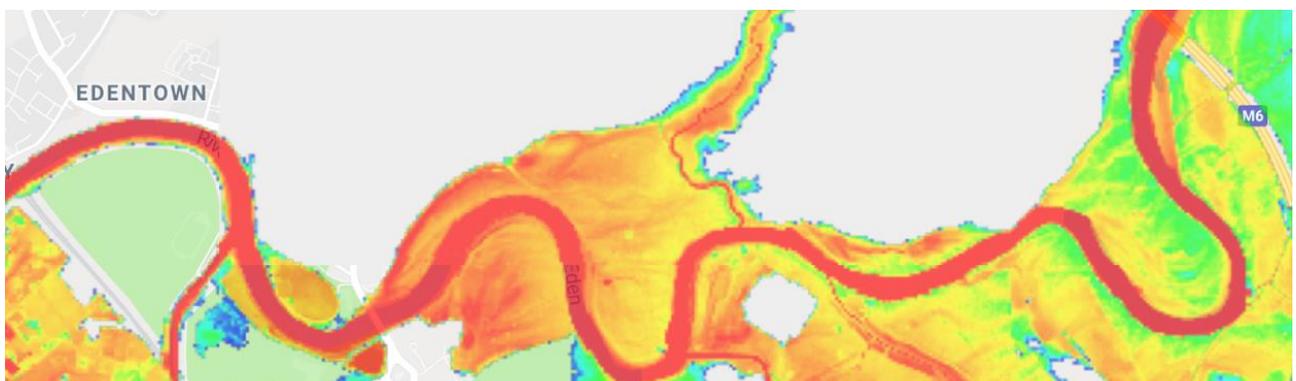
- **Real-time updates:** Every three hours FloodMap delivers the latest freshly modelled flood forecasts. This allows operations teams to rapidly mobilise resources and coordinate response before flooding strikes. As part of the pilot, FloodMap Live was used by LLR Prepared to support flood response during the June 2019 floods in Leicestershire.
- **Integration:** No need to log into any other portals or look at old maps. FloodMap Live forecasts are viewable in real-time. As soon as a fresh forecast is made, it is integrated through an API into the ResilienceDirect platform (the British government's crisis management platform for civil protection practitioners).
- **Customer support:** In the months leading up to the system going live, we carried out workshops with LLR Prepared to train City authorities, County resilience officers, Police, Fire and Rescue teams on how to use FloodMap Live. In June, 2019 the team were on call to support LLR Prepared to support their operations teams with our predictions which were verified as accurate by the emergency responders.



FloodMap Live forecasts show street level flood forecasts which are continuously updated using our 2D flood modelling software

The future

As early adopters of the technology, LLR prepared have grasped the opportunity to make the most of the FloodMap Live technology and are looking to use it across further teams involved in flood response including the use of accessibility mapping by fire and rescue services.



Further information available at www.previsico.com. To arrange a demonstration of FloodMap Live and find out how it can benefit your organisation, contact us on 03300883712, or email info@previsico.com.