

Zurich Municipal

Mitigating flood risk across the public sector

Challenge

Zurich Municipal (ZM) serve many public sector clients across the UK, including housing associations, councils, charities and education providers. With a focus on excellent customer relations, they work together to help mitigate risk.

Flood is the largest natural hazard in the UK with a substantial impact on communities. This is being exacerbated due to climate change and increased urbanisation. Multiple impacts are not insured e.g. contents, and many public sector customers have high excesses as a result.

False alarms and mobilising people and equipment when its not required can be costly and frustrating. Although defences and early warning systems are already in place for river and coastal flooding, there was previously nothing for surface water and small water courses.



Solution

Zurich Municipal have partnered with Previsico to provide their customers with surface water flood forecasts – a simple and effective risk mitigation solution. Working together with ZM and their clients, Previsico now deliver:

- **Flood dashboard:** Displays predicted time and depth of flooding up to 48 hours in advance. Scroll and zoom to see predictions for a street/property anywhere in the UK.
- **Email notifications:** Automated email warnings when districts and properties are at risk.
- **API feed:** Automated real-time forecast data and warnings that integrates with existing systems.

Benefits

- Previsico is the only provider of flood warnings for surface water and small watercourses.
- Previsico's technology is underpinned by over two decades of published research in partnership with the Cabinet Office and emergency services.
- Previsico's state-of-the-art forecasting uses live hydrodynamic modelling, drawing on several leading data sources. These include best available weather nowcasts and forecasts, satellite imagery, ground sensors, LiDAR elevation data, land cover, drainage and geology.
- When flood action plans can be mobilised and flood risk reduced, cost savings can be great and large scale disruption avoided.



Surface water flooding continues to cause major disruption to our customers; our partnership with Previsico enables them to be better informed and able to mitigate the potentially devastating impacts of flood damage. I'm proud that we're helping to build greater resilience in communities.

Amy Brettell
Managing Director, Zurich Municipal



The growing flood problem...

- 1 in 5 properties affected by surface water flood risk.*
- 33% UK commercial properties at risk from flood.*
- 75% of businesses don't include climate risks in their business continuity plan.*
- Flood losses expect to increase five-fold by 2050.*

* References



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