



# Flood Risk Management: Resilience and Adaptation 2018

## 5 December | London

### About this event

With the effects of climate change and increasing storm intensity posing an ever-greater risk to infrastructure and property development, the UK needs to be more resilient to flooding, and better able to mitigate the risks.

Environment Analyst and Flood Briefing are pleased to announce this new, informative one-day conference, which has been written based on research directly with Lead Local Flood Authorities and flood risk consultants, and will bring them together with key policy-makers to address a wide range of issues and developments in flood risk planning and management.

This event will see expert speakers, such as **Clare Dinnis**, *Deputy Director FCRM Strategy, Environment Agency*, **Laura Kitson**, *Strategic Flood Risk Planning Advisor, Environment Agency*, **Alice Baverstock**, *Flood Strategy & Planning, DEFRA*, and **Matt Crossman**, *Team Leader, Flood, Water & Waste, National Infrastructure Commission*, provide insight into key policies.

With a specific focus on the new National FCERM strategy, the objectives and implications of the UK National Infrastructure Assessment, changes to surface water management and the new National Planning Policy Framework, this conference will discuss the regulatory and policy backdrop enabling better flood risk management.

### Why attend?

#### Expert panel

The conference brings together a balanced panel of experts, including regulators, government representatives, Lead Local Flood Authorities, and environmental and flood risk consultants.

#### Case studies

Learn from the experiences of your peers and hear examples of best practice in all aspects of surface water management and flood resilience and adaptation.

#### New Approaches

Hear about a variety of new approaches which help you to achieve a more integrated approach to flood resilience at a local level.

#### Q&A panel discussions

Have your specific questions answered by making use of the multiple Q&A sessions.

#### Networking

This conference will bring together a diverse audience involved in managing and mitigating flood risk. Meet and mingle with your sector peers, and share first-hand insights into experiences, challenges and solutions..

## **Programme**

### **9.00 Registration and Refreshments**

### **9.30 Opening remarks from the Chair**

## **The Regulatory and Policy Framework**

### **9.40 Update on UK Climate Projections (UKCP18) and implications for flood risk planning and management**

**Professor Jason Lowe, *Head of Climate Services, The Met Office Hadley Centre for Climate Science and Services***

### **10.00 Outlining the objectives and implications of the UK National Infrastructure Assessment**

Publication of the UK's first national infrastructure assessment in July makes recommendations for ensuring the needs and priorities of the country's infrastructure are met, including delivering a nationwide standard of flood resilience by 2050. This presentation will outline key features of the assessment in the context of local flood risk planning.

**Matt Crossman, *Team Leader, Flood, Water & Waste, National Infrastructure Commission***

### **10.20 Insight into the new National Flood and Coastal Erosion Risk Management Strategy**

The Environment Agency has taken a new approach to developing the latest FCERM Strategy, due to be published in 2019. The Strategy has been built by collaboration with the people and organisations who will play a role in delivering it or be affected by its actions. This presentation will look at what has been achieved to date, explore the benefits of the collaborative approach, and outline how the new strategy will shape FCERM looking forward to 2050

**Clare Dinnis, *Deputy Director FCRM Strategy, Environment Agency***

### **10.40 Audience & Panel Discussion**

The presentations will be followed by a panel discussion around the current regulatory and policy framework for flooding and flood risk management in the UK. Delegates are encouraged to ask questions and share their own views on recent policy developments, including:

- *Are they enough of a move in the right direction?*
- *What are the implications of these policies for Lead Local Flood Authorities?*
- *What else needs to be done to encourage a more proactive and integrated approach to flood risk management at a local level?*
- *Where should future investment in flood resilience and management be focused?*

### **11.00 Morning refreshments & networking**

## **Practical Solutions for Flood Risk Planning & Management**

### **11.30 Outlining how the Surface Water Management Action Plan (2018) will better manage the risks from surface water flooding**

- Outlining the content of the plan and the actions within it including how they will be implemented to achieve:
  - improved risk assessment and communication
  - strengthened delivery

**Alice Baverstock, *Flood Strategy & Planning*, DEFRA**

#### **11.45 Lead Local Flood Authority: How we are dealing with Surface Water Flooding**

- Outlining our approach to risk and strategies to support this
- Clarifying how we expect to see potential flooding risk dealt with in planning applications

**Ruth Burnham, *Senior Flood and Water Officer*, Northamptonshire County Council**

#### **12.10 Q&A**

#### **12.20 Water Company perspective: Managing flood risk through improving infrastructure resilience**

- Detailing how and where investment is currently being targeted to improve flood risk management and sustainable drainage
- Outlining how drainage and wastewater management planning can help facilitate partnership working between water companies and LLFAs

**Steen Nasapen-Watson, *Sustainable Sewerage Manager*, Northumbrian Water**

#### **12.45 Q&A**

#### **12.50 Lunch**

#### **13.45 Welcome back from the Afternoon Chair:**

**Julia Beeden, *Flood Risk & Biodiversity Business Manager*, Cambridgeshire County Council**

#### **13.50 Moving from risk assessment to response on the ground – a city perspective of delivering adaptation**

- Setting the context – cities like Greater Manchester have an increasing level of ambition around adapting to climate change impacts, particularly flooding
- Our emerging climate risk assessment – what is it telling us and what are we doing as a result (illustrated by GM's flood risk and transport infrastructure work)
- Putting the 'green' into our 'Green City Region' – how we're prioritising a nature-based approach that maximises the benefits the City gets from its climate adaptation efforts
- The need to act - our strategies need to drive action around our future climate risks and the spatial, funding and delivery challenges this presents

**Matt Ellis, *Climate Resilience Officer*, Greater Manchester Combined Authority**

### **[Managing the Impact of Weather Extremes on Infrastructure & Housing Development](#)**

#### **14.20 NPPF: Examining changes to the management of flood risk in planning under the new National Planning Policy Framework (NPPF)**

- Assessing the impact of the requirement to assess “cumulative impacts of flood risk”
- To what extent could the new requirements have an impact on existing Local Authority Flood Risk Assessments and sites identified for development in Local Plans?
  - implications of applying the exception test
  - balancing flood risk with a pragmatic and commercial approach
- Exploring how the design, management and adoption of SuDs might be covered in future planning policy updates
- How can planning guidance be used to encourage a holistic approach to SuDs implementation, considering flood risk alongside water quality, biodiversity and community benefits?

**Thomas Smith, *Flood Risk Consultant*, Unda Consulting**

#### **14.50 Considering flood risk as part of planning and design – the benefits of early engagement and collaborative development**

This case study presentation will demonstrate how an awareness of flood risk and early engagement with developers can create new developments that are sustainable and resilient, as well as appealing and commercially viable.

**Laura Kitson, *Strategic Flood Risk Planning Advisor*, Environment Agency**

#### **15.20 Afternoon refreshments & networking**

#### **15.40 Case Study: Designing a SuDS solution to maximise its multi-functional role and the holistic benefits it can provide**

**Suzanne Scobie, *Associate, Infrastructure & Sustainability*, AECOM**

#### **16.10 Innovations in building and infrastructure design to adapt to changing climates and mitigate flood risk**

- Exploring approaches and technologies to withstand the impact of increasing storm intensity on the urban environment
- Retrofitting properties with Property Flood Resilience (PFR): Detailing possible retrofit solutions and where they could be employed:
  - highlighting which type of PFR measures lend themselves more suitably to retrofitting
  - implementing resilient design into properties
  - solutions for reducing the cost of retrofitting properties
- Examining recent new industry standards for property resilience and flood mitigation
- What are the required next steps to attain a resilient built environment?

**Matthew Barker, *Technical Lead*, BRE Centre for Resilience**

#### **16.40 Closing remarks from the Chair and close of conference**