

# Met Office Wastewater Workshop 2019

## Welcome

**10:30 - 11:00** Welcome & Coffee

**11:00-11:05** The Met Office introduction to the Workshop.

Introduction from Tom Butcher, the Head of Industry Consultancy at Met Office.

**11:05-11:20** Roundtable - introductions by each company, including a summary of their current status of wastewater management, activities and plans.

### **Session 1 - Identifying current challenges facing wastewater sector**

**11:20 - 11:40** Overview of challenges and requirements on integrating climate and weather data into the waste network's resilience plans.

Presentation from Welsh Water providing an overview of current challenges wastewater networks are facing - Fergus O'Brien Wastewater Strategy Manager.

**11:40 -12:30** Group discussion  
Group discussion and presentations on current challenges of managing the wastewater network including looking at benefits and limitations of current methodologies and industry standards employed to quantify risks of weather and climate events on the network.

## Lunch

### **Session 2 - Workshop to establish linkage between weather and climate and industry challenges and requirements**

**1:00 - 1:20** Met Office Overview  
The Met Office to provide overview of a toolkit that can be used to help establish linkage and quantify impact of weather and climate, including:

- Datasets
- Weather Sensitivity analysis
- Extreme Value Analysis
- The Met Office to provide overview of recent projects establishing relationship between weather and impact on wastewater network, case studies including:
  - Analysis of antecedent conditions and trigger rainfalls
  - Role of Sub-daily rainfall

**1:20 - 2:00** Workshop  
Establish the linkage between the weather and challenges outlined in Session 1.  
Refine the requirements of weather services for the wastewater sector that would enable water companies to overcome challenges.

### **Session 3 - Mitigating risks of climate change on the network**

**2:00 - 2:20** Met Office Overview  
The Met Office to provide introduction to using UKCP18 and applications in wastewater risk mitigation.

**2:20 - 2:50** Workshop  
Establish the linkage between the climate and challenges outlined in session 1. Refine the requirements of climate services and "industry standards" employed to quantify risks of climate event for the wastewater sector. Identify any "gaps" in knowledge and research in this area.

## Coffee Break

### **Session 4 - Tackling the weather and climate component of wastewater management plans**

**3:00-3:30** Group discussion  
What are this Group's priorities for support services? Identify gaps and challenges in servicing weather and climate needs for water companies.

### **Session 5 - Open forum to discuss next steps and "any other business"**

**3:30-4:00** Next steps  
Discussion of next steps, funding opportunities and channels. Identify any actions, themes and further information to be circulated.