

Groundwater Flood Risk and Basement Impact Assessments

An Introduction for Architects and
Property Professionals

presented by
GeoSmart Information

Description

This session aims to advise property professionals on what groundwater flooding is, how it differs from other sources of flooding, and how it can affect development, specifically basement developments. It discusses why groundwater flooding is important to consider and the mechanisms of groundwater flooding. Basement developments are then discussed, specifically in relation to Basement Impact Assessments, a document often required as part of development. The session talks through the standard planning application process for BIAs in detail. Examples of mitigation measures for groundwater and basement flooding are provided.

Target audience

Property developers, planners, architects – anyone involved in the process of property management, development and planning.

Duration

45 minutes

Learning objectives

This session will help participants:

1. Recognise why groundwater flooding is important
2. Understand the mechanisms of groundwater flooding
3. Describe the 4 stages of Basement Impact Assessments – Scoping, Screening, Site Investigation and the final assessment
4. Identify the different types of flooding causing risk to both on-site and off-site developments
5. Provide examples of Mitigation Measures

Seminar or webinar structure

1. Why groundwater flooding is important
2. Mechanisms of groundwater flooding
3. Basement Impact Assessments (BIAs):
 - a. Planning Context
 - b. BIA: Stage 1 - Screening
 - c. BIA: Stage 2 - Scoping
 - d. BIA: Stage 3 - Site Investigation
 - e. BIA: Stage 4 - Final Assessment
4. Types of flooding
5. Mitigation Measures