



# FLOOD PLANNING FOR THE CONSTRUCTION CYCLE



- Begin to develop planning permission
- Property-level flood hazard assessment
- Consider flood impacts of building on-site
- Become aware of local flood resilience measures

- Property Flood Resilience and SuDS design option development, refer to CIRIA Property Flood Resilience Code of Practice
- Carry out a flood risk survey (where relevant)
- Consider flood impacts on surrounding infrastructure
- Consider Natural Flood Management and sustainable flood resilience solutions

- When selecting contractor, consider flood resilience experience
- Discuss flood resilience measures with potential contractors
- Ensure design solutions work with other local flood resilience measures

- Communicate flood resilience measures to subcontractors
- Consider the use of innovative flood resilience products

- Ensure all parties understand flood resilience measures and constraints
- Maintain on-going review of flood resilience measures to ensure flood resilience is maximised and flood resilient design is adhered to wherever possible

- Ensure end users are aware of flood resilience measures and trained on their use
- Ensure a schedule and responsibility for maintenance of flood resilience features are in place
- Publicise flood resilience measures and consider measuring their effect

## HOW THE FLOOD INNOVATION CENTRE CAN SUPPORT

- Review site selection considerations for flood resilience issues, liaise with key stakeholders
- Working within the Code of Practice

- Research flood resilience products and solutions
- Testing of building materials and applications
- Flood resilience engineering support
- Provide data and information for Natural Flood Management and SuDS solution selection

- Provide flood resilience training for building contractors and civil engineering firms
- Develop novel SuDS solutions

- Establishing effective flood resilience communication strategies
- Review of existing flood resilience solutions and signposting to expert advice
- Supply chain support

- Liaison with key stakeholders
- Engineering solutions to support fulfilment of flood resilience design parameters

- Support for firms in establishing flood resilience - monitoring solutions
- End-user engagement support and strategy
- Community group development

ANALYSIS AND PLANNING

EXECUTION