

## Building a Community Understanding of Flood Risk in Southwell

### Workshop One - Agenda

- 18:45 Participants arrive, refreshments on arrival
- 19:00 Welcome and introductions
- 19:10 Opening presentation on the project, workshop schedule and methodology  
(Followed by a brief Q&A)
- 19:30 **Modelling activity I – Prioritising problem dimensions**

Working as one large group, review the problem dimensions diagram. These are things that are stopping the problem being solved, (e.g. smaller problems that it is necessary to address first). As a group, identify key measures for each dimension (e.g. things we can use to measure the success or failure of each dimension). Once done, simplify the list of problem dimensions to the 4 or 5 most essential issues we would like to model.

- 19:50 Refreshments break and questions
- 20:00 Presentation - Introduction to the causal loop diagram
- 20:10 **Modelling activity II – Causal loop diagram**

Working in small groups, each group considers one key problem dimension, identifying different variables in these three categories:

- Possible causes of the problem
- Possible consequences of the problem
- Possible solutions to the problem

Establish the polarity of links between these variables (i.e. are they positive – an increase in x leads an increase in y, or negative – an increase in x leads to a decrease in y). Feedback loops within the system are highlighted.

- 20:40 Group discussion and questions  
(Merging the diagrams by identifying interactions between different sectors)
- 20:50 Closing remarks and session evaluation
- 21:00 Close of session