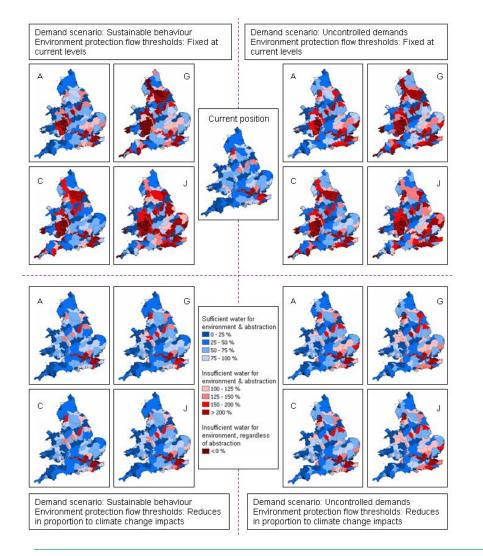


Managing uncertainty in water availability

The case of abstraction reform

Henry Leveson-Gower Water Services

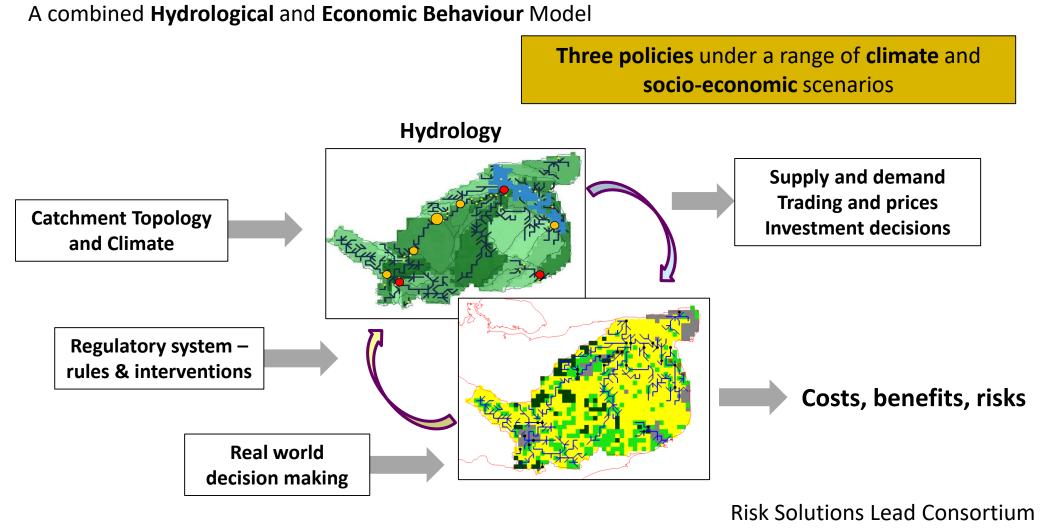
The problem: Wide range of uncertainty around future water availability



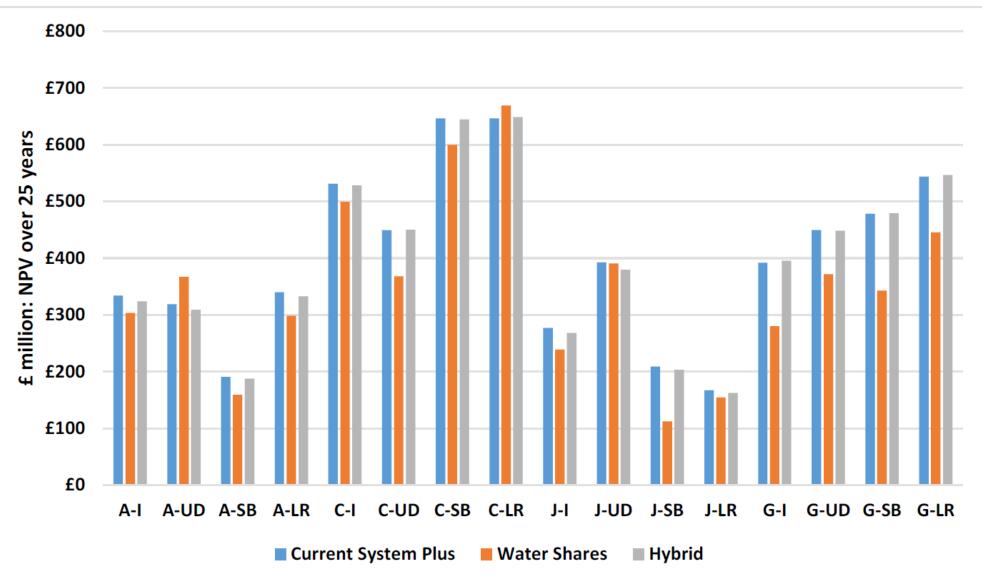
The answer:

- Modelling future scenarios
- Adaptive institutions

The tool: ABM modelling to do scenario analysis



The Results under different scenarios



Principles for Adaptive institutions

- Create a range of enabling tools e.g.
 - Trading rules
 - Share accounting framework
 - Flexible flow control mechanisms
- Adaptive institutional arrangements catchment rules
- Focus on places with immediate needs and opportunities
 - Trial and learn
- Link in with emerging trend towards catchment management

Summary Approach

- Understand range of uncertainty
- Develop range of tools to mitigate risks
- Create adaptive institutions
- Focus learning where immediate issues
- Adapt and expand overtime