Our journey along the Blue-Green path to Urban Flood Resilience

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A Blue-Green City brings together water management and green infrastructure to recreate a more natural water cycle.... generating economic, environmental, ecological, social and cultural benefits.
Blue-Green Cities 2013-16
Blue-Green Cities Research

Model Existing Flood Risk Management

Understand Citizens’ Preferences

Evaluate Multiple Flood Risk Benefits

City Authority and Community Communications

Options for Hard/Soft Measures

Newcastle upon Tyne
Newcastle helps lead the way in blue-green cities move to combat flood risk

More water storage and greening spaces in Newcastle are the basis for the city conference pledge at the Life Science Centre

Blue and green could rival black and white as key colours in the Newcastle of the future.

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Achieving Urban Flood Resilience in an Uncertain Future

www.urbanfloodresilience.ac.uk  Urban Flood Resilience @BlueGreenCities
Urban Flood Resilience
2016-2020
Urban Flood Resilience

a city’s capacity to maintain future flood risk at acceptable levels by:

1. preventing deaths and injuries
2. minimising damage and disruption during floods
3. recovering quickly after a flood
4. ensuring social equity in flood management
5. protecting the city’s cultural identity and economic vitality.
Urban Flood Resilience Research Themes

- **Engineering Design** of the integrated Blue/Green and Grey (B/G+G) treatment trains that support resilient management of both water quantity and quality

- **Development** of flood and water management assets that function inter-operably with other urban systems: inc. transport, energy, land-use and natural systems

- **Planning** that puts UFRM at the heart of urban planning & focuses on interfaces between planners, developers, engineers and beneficiary communities
The Blue-Green path to Urban Flood Resilience is made possible by: