

Boosting multifunctional Blue-Green Infrastructure through planning

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@urban_wonder

Green infrastructure in the NPPF

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Green infrastructure in the NPPF

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*“**Strategic policies should set out an overall strategy for the patterns, scale and quality of development, and make sufficient provision for the conservation and enhancement of the natural, built and historic environment, including landscapes and green infrastructure, and planning measures to address climate change mitigation and adaptation**”*

*“**Plans should take a strategic approach to maintaining and enhancing networks of habitats and green infrastructure, and plan for the enhancement of natural capital at a catchment or landscape scale across local authority boundaries.**”*

It's starting to happen...



It's starting to happen...

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London Environment Strategy

South Downs National Park Green Infrastructure Framework

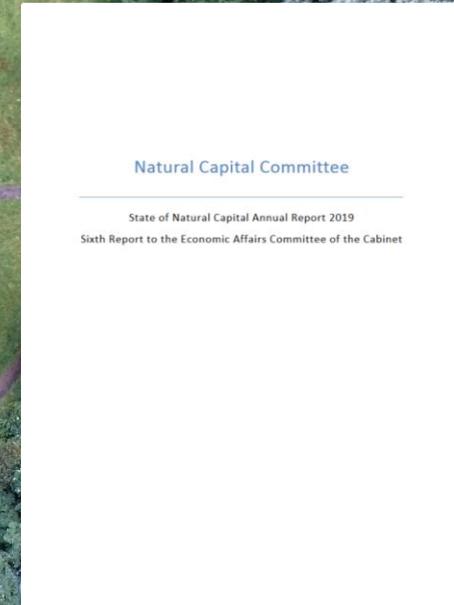
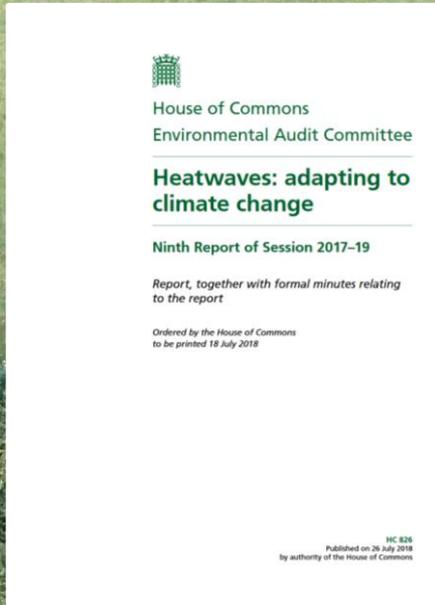
Southampton Green Space Strategy

Birmingham Green Infrastructure Strategy

Bedfordshire Strategic Green Infrastructure Plan

Greater Manchester Natural Capital Investment Strategy

It's starting to happen



25 Year Environment Plan
HM Government, 2018

Heatwaves: adapting to climate change
Environmental Audit Committee, 2018

UK housing: Fit for the future?
Committee on Climate Change, 2019

State of Natural Capital Account Report
Natural Capital Committee, 2019

But barriers remain



But barriers remain

Gaps within planning policy and guidance

A lack of resources, capacity and skills

Narrow technical standards for SuDS

Uncertainty about long-term management

Complex, fragmented infrastructure governance

Siloed government funding streams

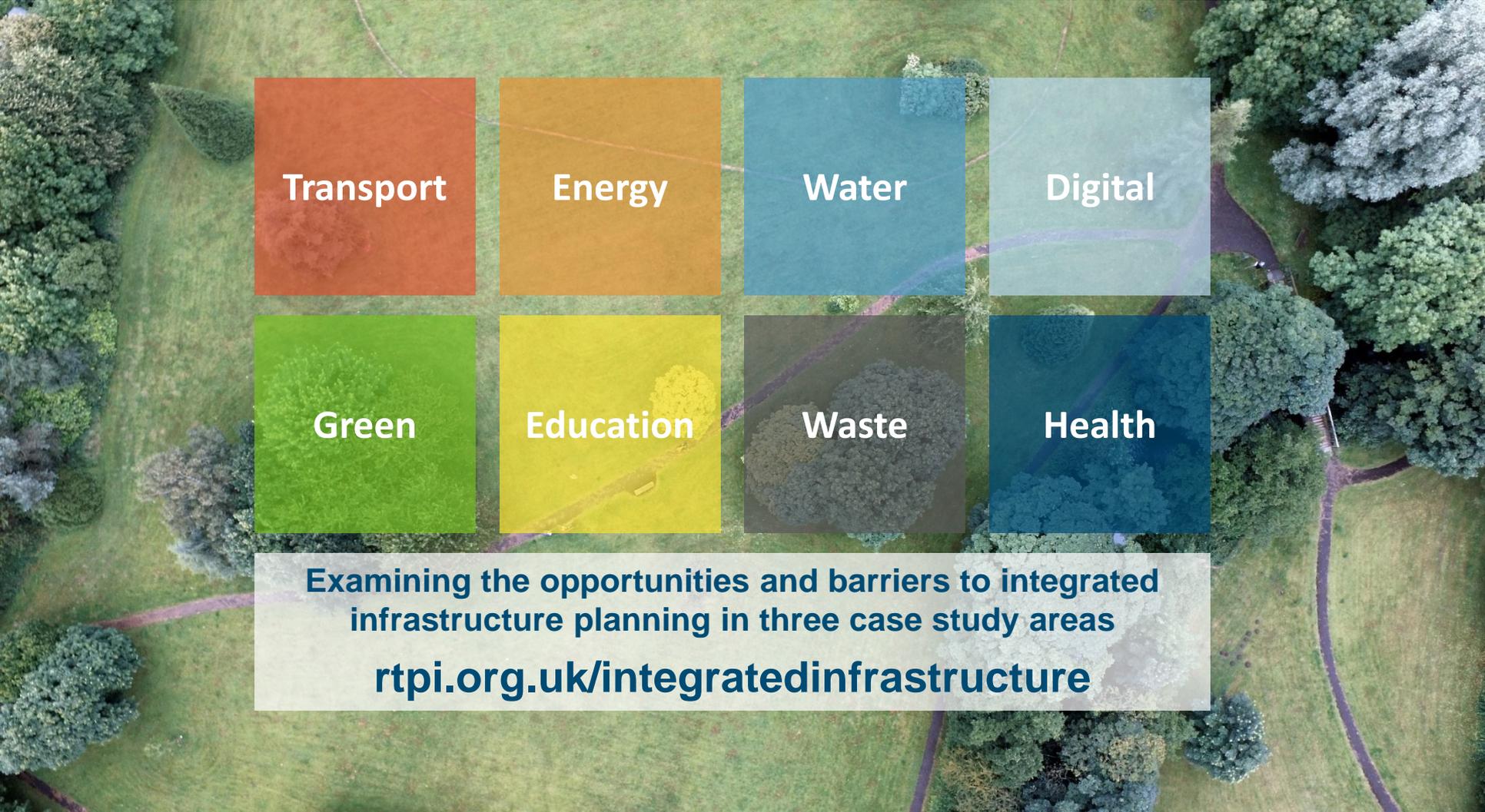
Lack of mechanisms for capturing land value uplift

Integrated infrastructure planning



Integrated infrastructure planning

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Transport

Energy

Water

Digital

Green

Education

Waste

Health

Examining the opportunities and barriers to integrated infrastructure planning in three case study areas

rtpi.org.uk/integratedinfrastructure

Smart city-regions



Smart city-regions

Development Impact Score

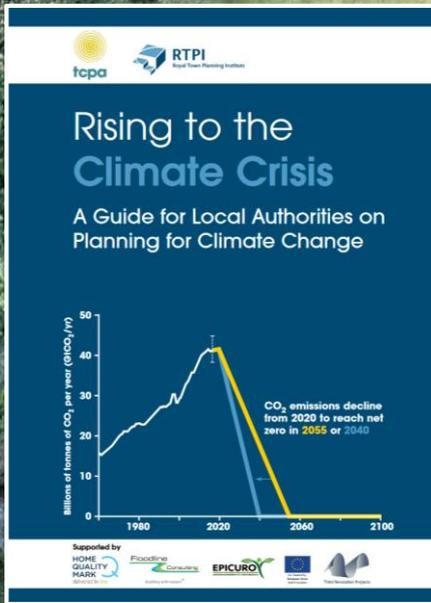
Average Per-Hectare

Ecosystem Services Impact Scores	Max Possible	Adjusted Scores	Min Possible
1. Harvested Products	+0.51	-2.03	-3.00
2. Biodiversity	+4.57	+1.01	-0.43
3. Aesthetic Values	+5.33	+2.60	-2.67
4. Recreation	+8.00	+3.39	+0.00
5. Water Quality Regulation	+1.71	+0.49	-0.85
6. Flood Risk Regulation	+2.92	+0.07	-0.08
7. Air Quality Regulation	+1.63	+0.38	-0.81
8. Local Climate Regulation	+3.90	+0.90	-1.95
9. Global Climate Regulation	+4.39	-0.01	-0.61
10. Soil Contamination		+0.00	
Development Impact Score	+32.95	+6.80	-10.41

Lobbying, training and advice



Lobbying, training and advice



Planning for Climate Change

RTPI & TCPA, 2018



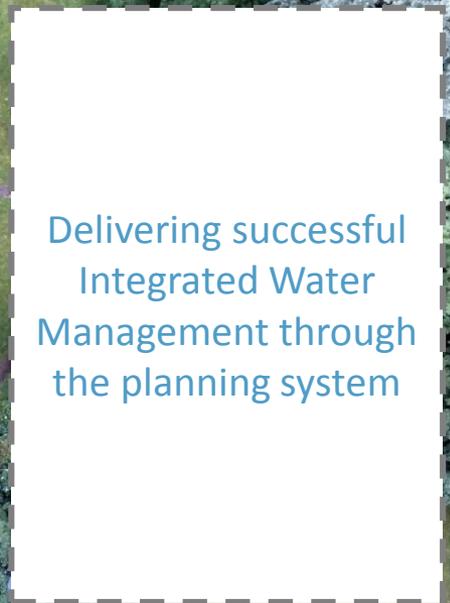
A place for SuDS?

CIWEM, 2018



Achieving sustainable drainage

Landscape Institute & CIC, 2019



CIRIA, 2019

Thank you

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