



Mitigating the climate and ecological crisis in the urban environment

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A built environment that enables people and planet to thrive



Leadership

**Learning &
Development**

**Policy &
Advocacy**

**Research &
Innovation**

Developers, Owners & Occupiers



Financial Bodies and Investors



Contractors



Suppliers



Advisors



Local Authorities & Higher Education





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Nature-based Solutions

Green Buffer

Trees and plants in city environments enhance air quality and provide a sound buffer to noise pollution, improving social health and environmental performance

Water Responsive

Blue Green Infrastructure can allow greater control over flood flows in extreme events as well as managing water as a resource to better reduce the risk of droughts

Urban Cooling

Integrating increased areas of green space, trees, water-bodies and plants in cities mitigates and reduces the heat island effect enhancing urban microclimates

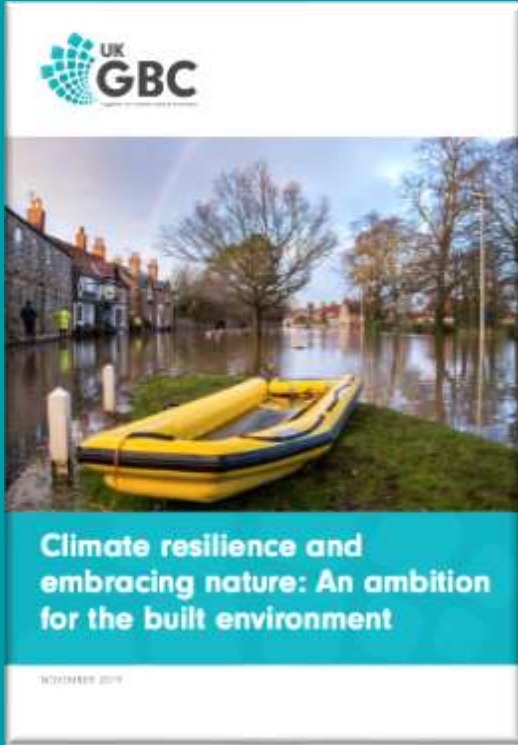
Living Landscapes

The value of biodiversity and conservation of nature ensures a greater diversity of wildlife, green travel, ecological resilience and visual amenity

Creating an ambition



- Desktop research
- Visioning workshop
- 1-1 discussions with stakeholders
- Public consultation
- Roundtable



Climate resilience and embracing nature: An ambition for the built environment

NOVEMBER 2019

“By 2030, all buildings and infrastructure will, throughout their lifetime, be climate resilient and maximise environmental net gains, through the prioritisation of nature-based solutions.”





New programme: Increasing Nature-based Solutions

Desired project outcomes:

1. Enable more ambitious targets related to nature-based solutions, climate resilience and environmental net gain, by developers, owners, and major occupiers
2. Increase the application of nature-based solutions in urban areas

Project deliverables:

- 1. A framework for increasing NBS in urban areas: For climate resilience and environmental net gains**
Launch February 2021
- 2. NBS solutions for urban climate resilience and environmental net gains**
Launch February 2022

Methodology:

- Identify and contact key stakeholders
- Create a steering group
- Conduct interviews
- Run summer workshops
- Write, edit, design and launch the framework



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Consultancy, Met Office



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Ciara Hanson
Development Manager,
Brick By Brick



Kavita Kumari
Associate, Cundall



Peter Massini
Lead - Green
Infrastructure, GLA



Morgan Taylor
Director,
Greengage Environmental



Nature-based Solutions Steering Group

How to get involved:

1. Email me (robert.winch@ukgbc.org) with your ideas for the framework or innovations for the guide
2. Join our summer workshops where we will develop ideas for the framework
3. Share your knowledge and expertise through interviews
4. Join our mailing list to stay informed of the programme



the Ignition PROJECT

NATURE-BASED SOLUTIONS TO THE CLIMATE EMERGENCY

GREATER MANCHESTER
DOING THINGS DIFFERENTLY



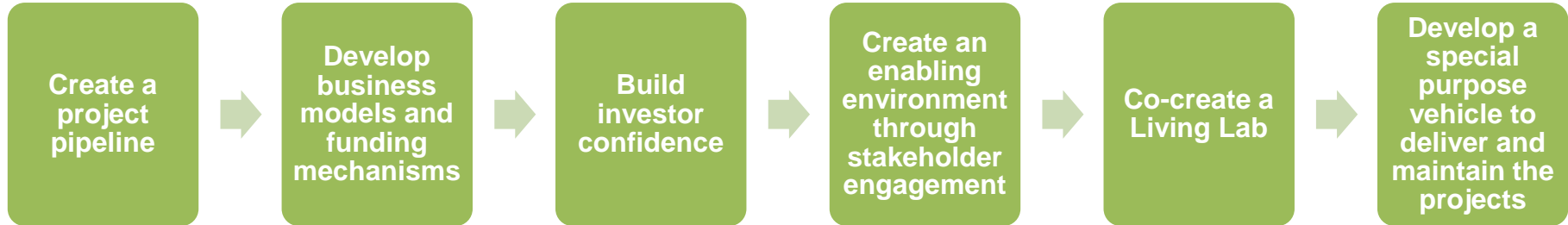
 **European Union**
European Regional Development Fund

www.ignitiongm.com





Where are we in the process





Why?

By analysing the evidence for nature-based solutions (NBS) we will:

Bring together evidence in a transparent and accessible way for use within the IGNITION project and beyond

Build investor confidence and attract investment

Develop business models and funding mechanisms for NBS

Build an enabling environment for financing NBS



Outputs?



1000+ Evidence Items



Across 5 Urban Nature-based
Solutions databases



Measuring 12 benefits



12-15% memory recall improvement in adults working in green environments

10-50% increase in willingness to spend in central business districts with street trees

18% reduction in staff turnover after GI investment

15% increase in productivity of workers in green environments

6.15% uplift in rent from the presence of street trees

30-50% increase patronage of restaurants in green business districts

Reduction in noise annoyance 4-15 db

10-23% reduction in the amount of sick leave taken with views of green space

Urban green spaces in direct proximity to a property results in a 9.5% increase in value



Initial Priorities



Creating a platform (central website or portal) where the databases can continue to grow



Linking with the IGNITION Living Lab build at University of Salford



Connecting with IGNITION Citizen Engagement programme



Creating a resource with BITC and UKGBC



Creating communications materials for IGNITION partners



Using the data: Focus on the need by the user

– Uses beyond IGNITION

- Informing NBS selection and expected benefits
- Informing decision making and policy
- Reducing time spent searching for evidence
- Bringing together evidence in a transparent and accessible way



Thank you

UKGBC - Together for a better built environment