



# What have trees done for us?

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An aerial photograph of a modern cityscape. In the foreground, there is a river with lily pads, surrounded by lush green trees and grass. To the left, there are several traditional-style buildings with dark tiled roofs. In the middle ground, there are modern glass-walled buildings and a winding path. In the background, a dense cluster of tall skyscrapers rises against a blue sky with light clouds. A large yellow speech bubble is overlaid in the center, containing the text "#choose landscape".

**#  
choose  
land  
scape**



**Why I became a  
Landscape Architect**





**Forestry Commission**



infrastructure...health...public realm...residential...workspace and commercial...  
education...higher education...landscape planning...masterplanning...



Healthcare



# “The Healing Landscape”

The concept of  
**therapeutic  
landscape**  
design specifically for  
**healthcare projects**





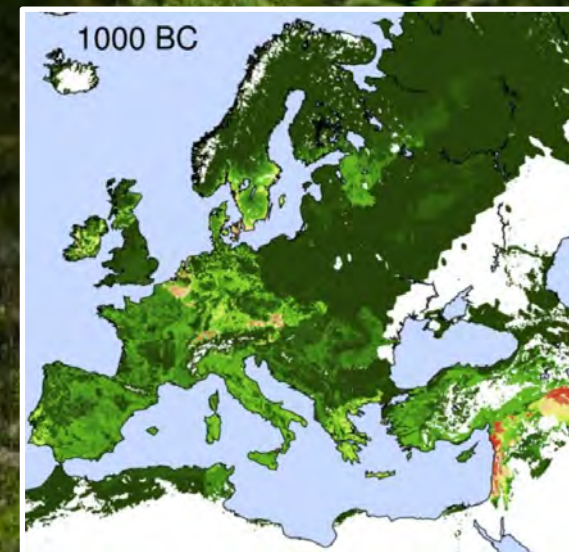
A dense forest of birch trees with white bark and vibrant yellow autumn foliage. The trees are tall and slender, with their white bark contrasting sharply with the bright yellow leaves. The forest floor is covered in a thick layer of fallen yellow leaves and some green undergrowth. The overall scene is a beautiful representation of a healthy forest in autumn.

# Tree facts



Trees arrived 385 million years ago

**1000 BC Woodland covered most of the UK**





13.2% cover in UK




5,070  
years

Great Bristlecone Pine  
*Pinus longaeva*

A large, ancient yew tree with a thick, gnarled trunk and dense green foliage. The tree is the central focus of the image, with its branches spreading out to the left and right. The ground is covered in brown pine needles and leaves.

Fortingall yew -  
*Taxus baccata*

2,000-3,000  
years

A large, ancient oak tree with a thick, gnarled trunk and sprawling branches, set in a lush green forest. The tree's trunk is covered in moss and has several hollows. Its branches spread out in all directions, covered in dense green leaves. The background is a dense forest of similar trees, and the foreground is a grassy clearing.

The Major Oak  
*Quercus robur*



**The Dark Hedges,  
Ballymoney**



2,300

How many species does an oak tree support?

Underneath this autumnal  
floor, there's a hidden world



A photograph of a misty forest path. The path is covered in fallen leaves and leads into the distance, flanked by tall, thin, bare trees. The atmosphere is hazy and ethereal, with a soft light source visible in the distance. The text "What is your favourite tree?" is overlaid in the center of the image.

What is your favourite tree?

Tewkesbury Abbey Beech  
*Fagus sylvatica Purpurea*



A misty forest scene with tall, slender trees and sunlight filtering through the canopy. The ground is covered in green moss and small white flowers. The text "What do trees do for us?" is overlaid in the center.

**What do trees do for us?**



# 20 Benefits

Environmental  
Health  
Biodiversity

*“Trees are essential to the  
future of the planet.”*

Sir David Attenborough



1 Trees provide oxygen

## 2 Trees remove harmful gases





3 Trees remove airborne particulates

An aerial photograph of a dense tropical forest, showing a vast expanse of green tree canopies. The trees vary in size and shape, creating a textured, mosaic-like appearance. The colors range from deep forest green to lighter, yellowish-green, indicating different species or perhaps some seasonal changes. The perspective is from directly above, looking down on the forest floor.

4 Trees affect weather patterns

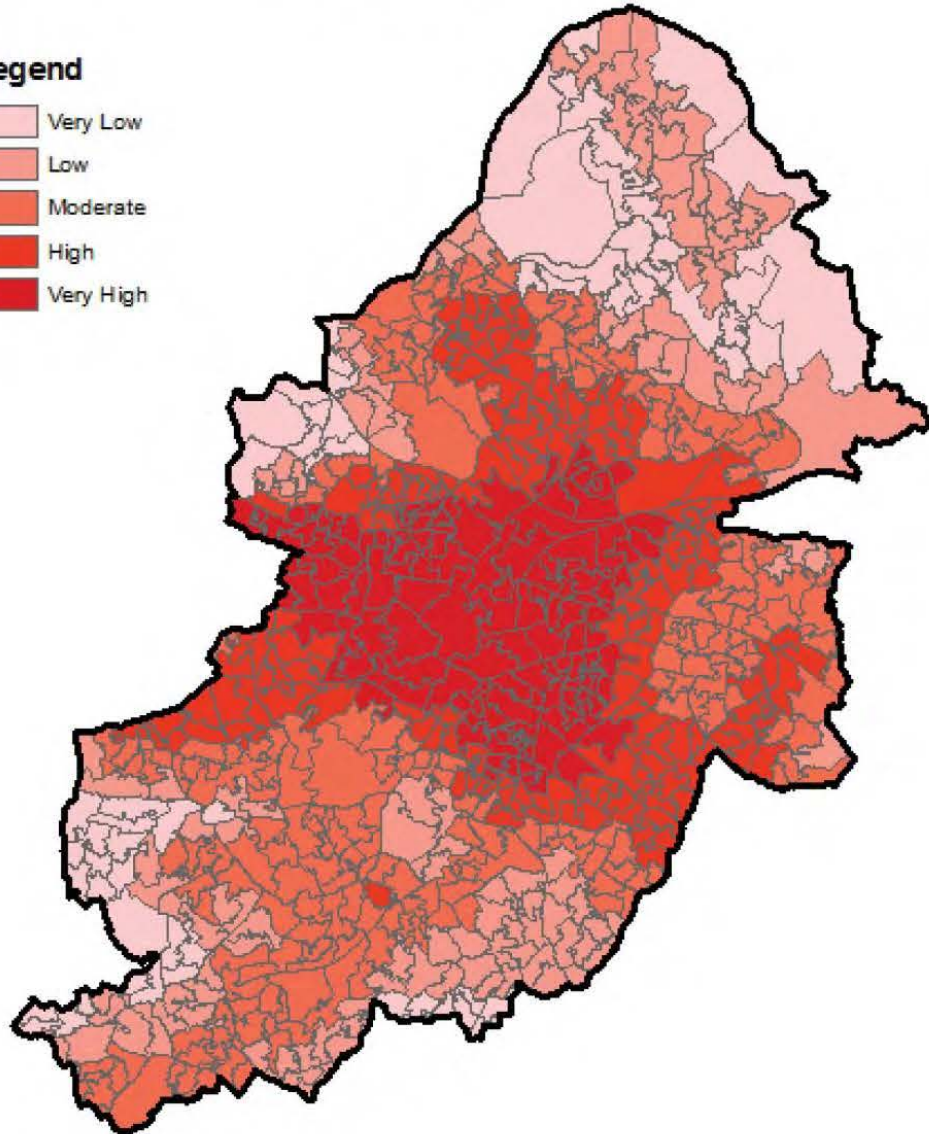


5 Cool our urban areas

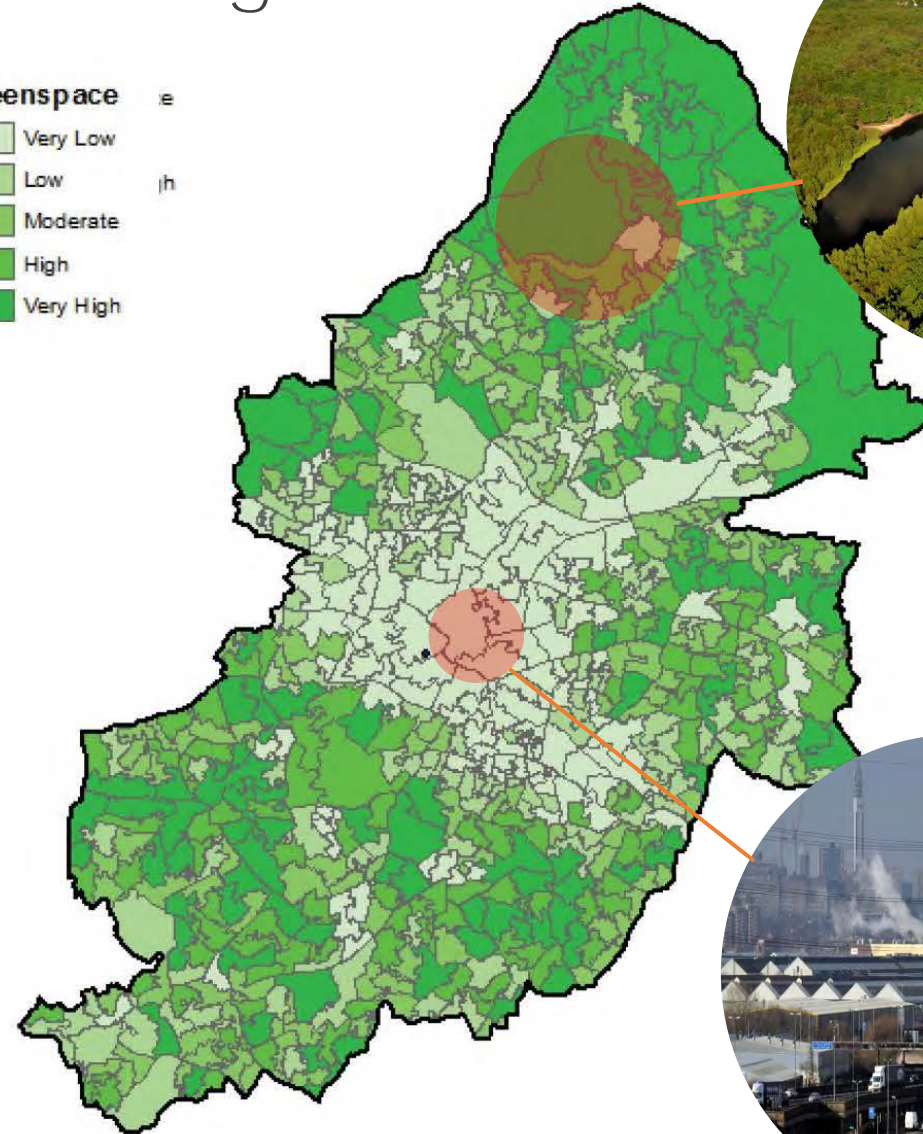
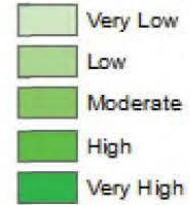
# Heatwave UHI

# City of Birmingham

## Legend



## Greenspace






# 6 Stabilize the Soil to Prevent Erosion

A photograph of a forest floor in autumn. The ground is covered with a thick layer of fallen orange and brown leaves. Large, dark, gnarled tree roots are exposed and spread across the surface. In the background, there are green trees and foliage. On the right side, there is a large, flat rock covered in moss. A small stream or waterfall is visible at the bottom right, flowing over the mossy rocks.

7 Reduce and prevent  
water pollution

8 Trees can reduce the risk  
of flooding by up to 20%

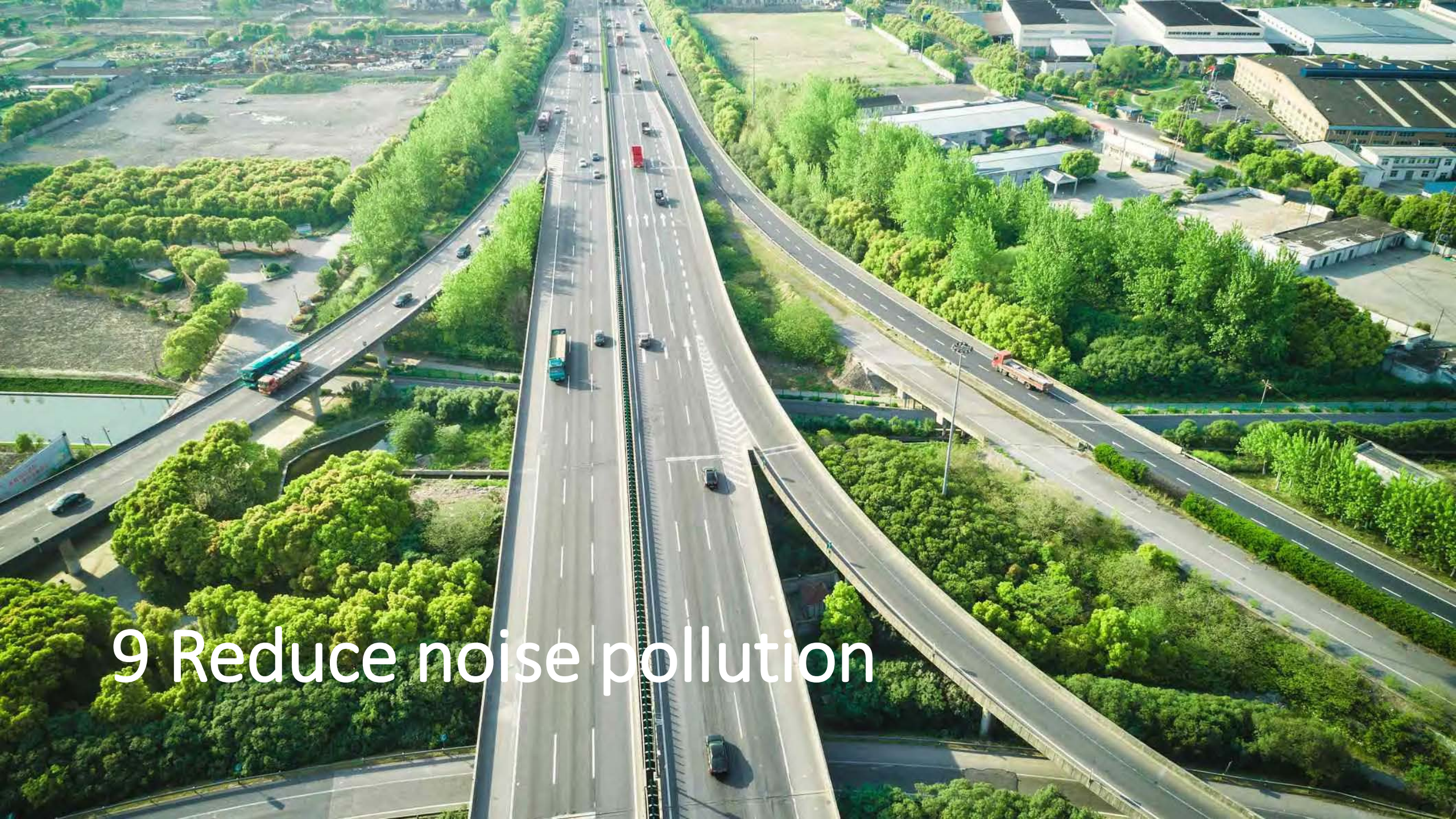




a single young tree planted in a small pit over an impermeable asphalt surface can reduce rain runoff by around 60%, even during winter when not in leaf

# Sheffield Sustainable Urban Drainage





9 Reduce noise pollution

Taller trees and plants with deeper roots store more carbon in biomass

1

2

Functional diversity of plants fills above and belowground niches, feeding carbon to soil ecosystem

3

Increased biodiversity supports system resilience

4

Plant community self-organizes and adapts well to site, requiring less maintenance. (mention plant strategies)

5

Plants in vertical layers

# 10 Sequester carbon

# 11 Construction materials





12 Trees are great  
for our health



**a high number of street trees close to the home is related to lower numbers of local prescriptions for antidepressants, even when controlling for a wide range of factors, such as deprivation**

# 13 A source of medicine



14 Tree encourage  
social support



15 Provide food for us  
and for wildlife





16 Urban trees support  
a rich and diverse range  
of wildlife



17 Neighbourhoods with trees are less likely to suffer from crime

18 Tree lined streets  
increase property  
values



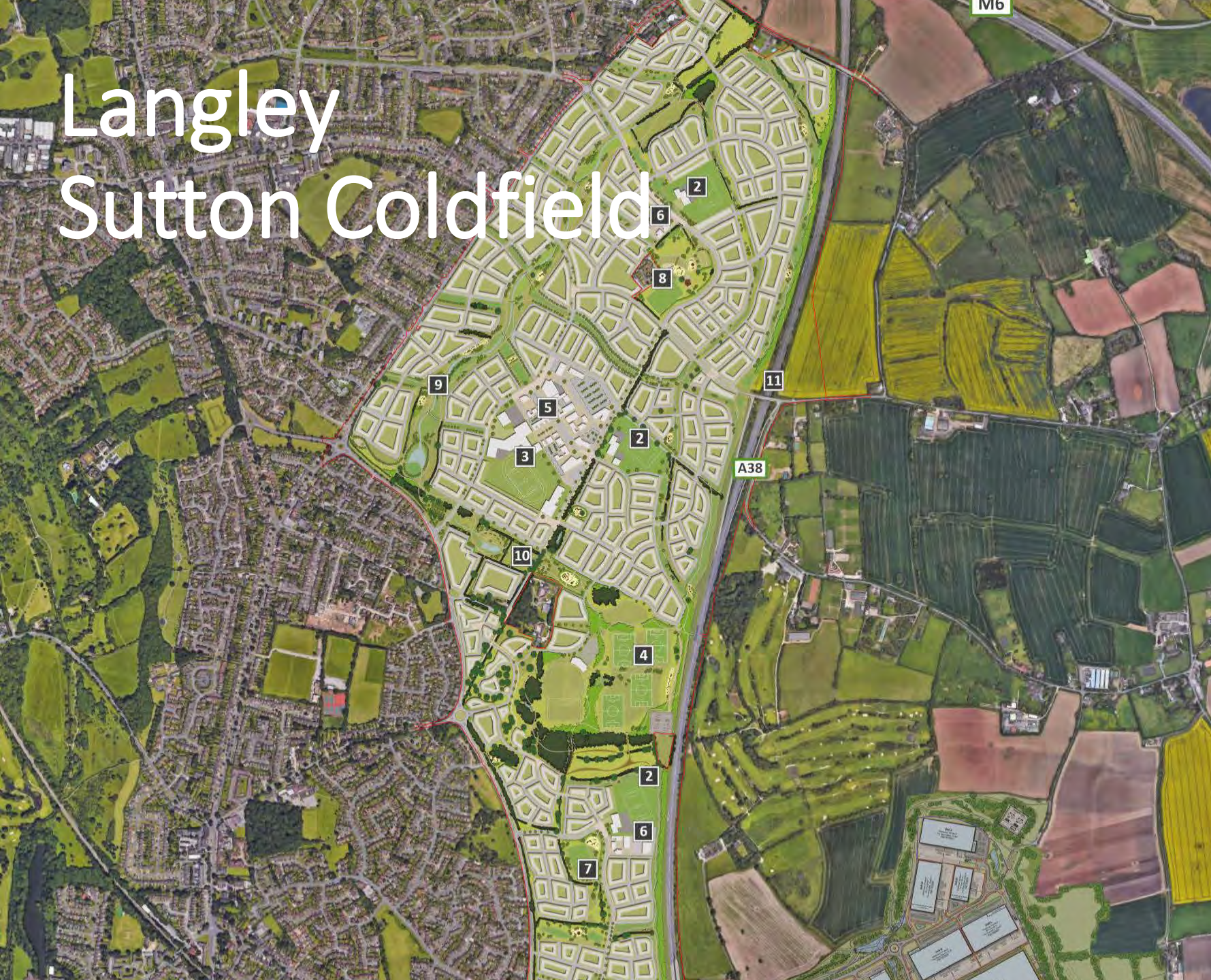


19 Trees rejuvenate  
towns and cities



Impact of trees  
on our town

# Langley Sutton Coldfield



- 1 Peddimore Employment Site:** The development of this area is the subject of a separate outline planning permission secured by IM properties (not part of the Langley Consortium). Further reserved matters details have subsequently been approved for the first phase of employment development".
- 2 3 Form Entry Primary School with Early Years Provision:** Located in or adjacent to local community hubs and proposed parkland areas forming three community focal points for new communities.
- 3 Secondary School with Community Sports Hall:** Integrated into and with Langley Central forming part of the civic heart for the new Langley Community. Located on key pedestrian and cycle routes through the Site to encourage safe routes to school.
- 4 Community Sports Hub and Public Parkland:** Supporting the retention of existing ecological and landscape features as well as responding to landscape visual analysis, the new sports hub and parkland will create a dynamic new sports and recreation area for use by existing and future communities. The area has the potential to accommodate a range of grass and artificial pitches.
- 5 Langley Central:** Potential to accommodate a mix of uses including: Multi-functional Community Buildings; Education and Post 16 Education Facilities; Medical Practice; Retail and Service Facilities; alongside higher density residential living and new civic public spaces.
- 6 Local Community Hubs:** Local mixed use areas located around primary schools and parks and forming focal points for the communities to the north and south of the Site. Opportunities to accommodate localised retail/ service elements and community facilities such as a village/ community hall, alongside some upper storey apartments.
- 7 Langley Fields Park:** An area supporting retention of existing landscape features and mature trees and accommodating new leisure, informal recreation, kick about and multi-age children's play facilities.
- 8 Langley Hall Park:** An area supporting retention of archaeological features, maintaining the setting of the important elevation of Old Langley Hall and offering the existing and future community an area for informal recreation, kick about and multi-age children's play facilities.
- 9 Langley Brook Park:** A new multifunctional parkland accommodating the realigned and naturalised Langley Brook. The park accommodates areas of existing mature landscape planting and ecology, while also creating opportunities for new ecological and strategic landscape, planting and sustainable surface water attenuation features. A network of footpaths, children's play, and trim trail features can also be accommodated within the length of the park.
- 10 East to West Park Link:** Connecting New Hall Valley Park to the west to the Public Right of Way footpath network to the east of the A38, the proposed



Bournville Village



20 Commerce



The death of Sutton town centre

# High streets in Hammersmith and Fulham





High street in Bath



High street in Bath



Why you  
should  
plant a  
tree



Bird Cherry

Crab Apple



Rowan

A photograph of a forest path. Sunlight filters through the trees, creating a warm, golden glow. The path is covered in grass and ferns, and the trees are tall and slender. The overall atmosphere is peaceful and natural.

# Thank you

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