

Delivering Biodiversity Net Gain On Site – Opportunities and Challenges

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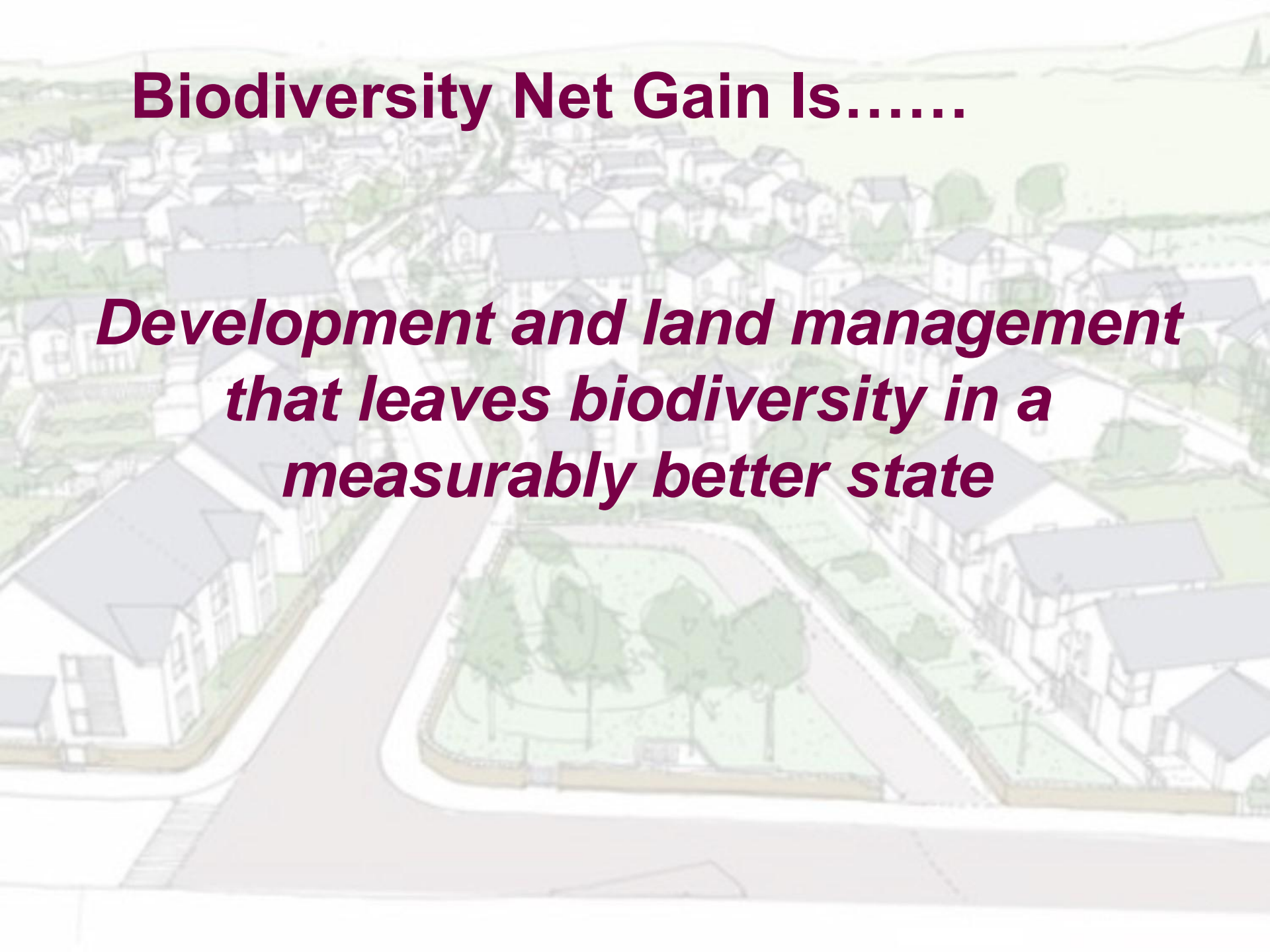
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- 1. What is Biodiversity Net Gain?**
 - 2. Why Biodiversity Net Gain?**
 - 3. On-Site or Off-Site?**
 - 4. On-Site Benefits**
 - 5. On-Site Challenges & Solutions**

What is Biodiversity Net Gain?

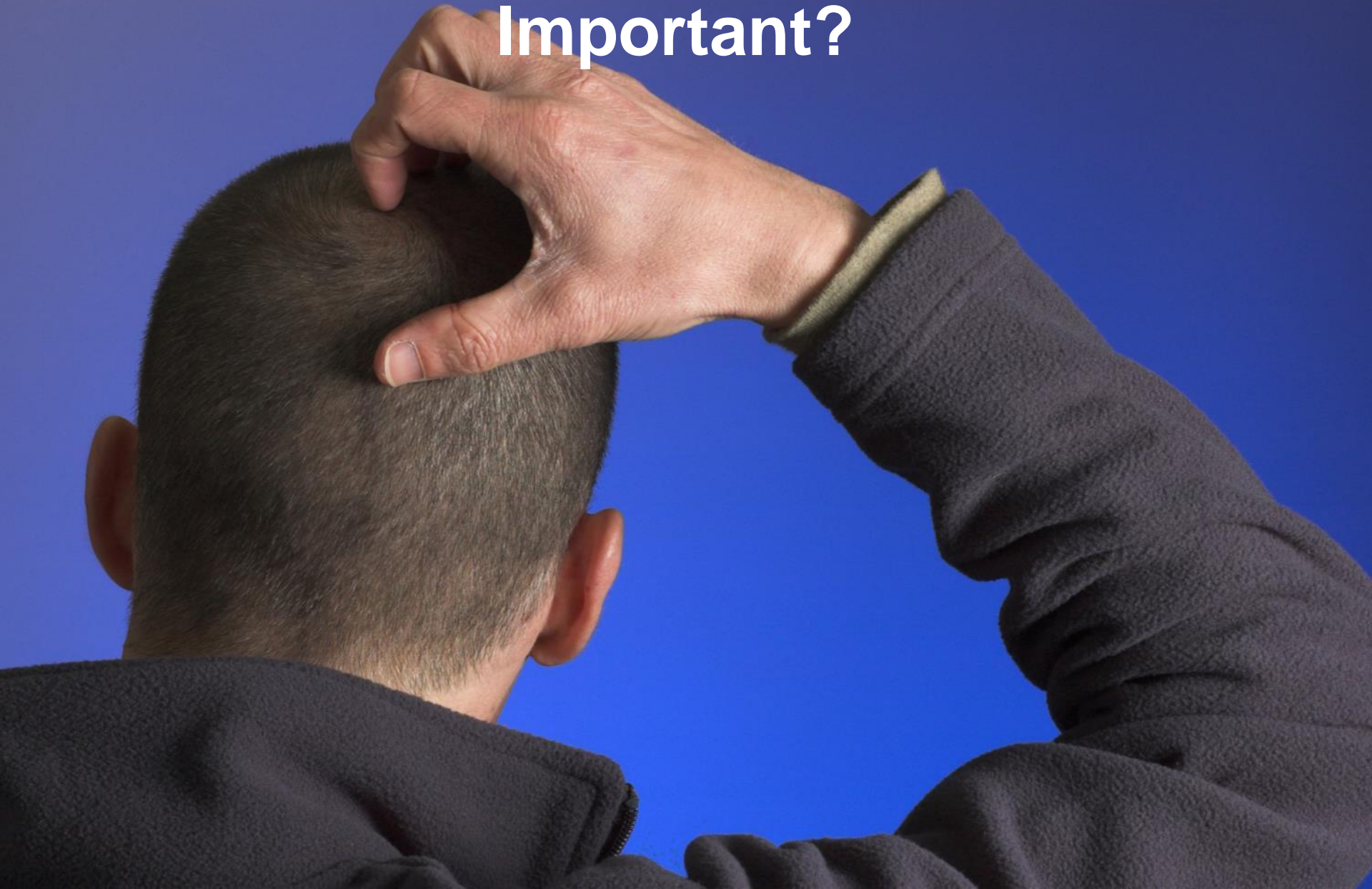


Biodiversity Net Gain Is.....

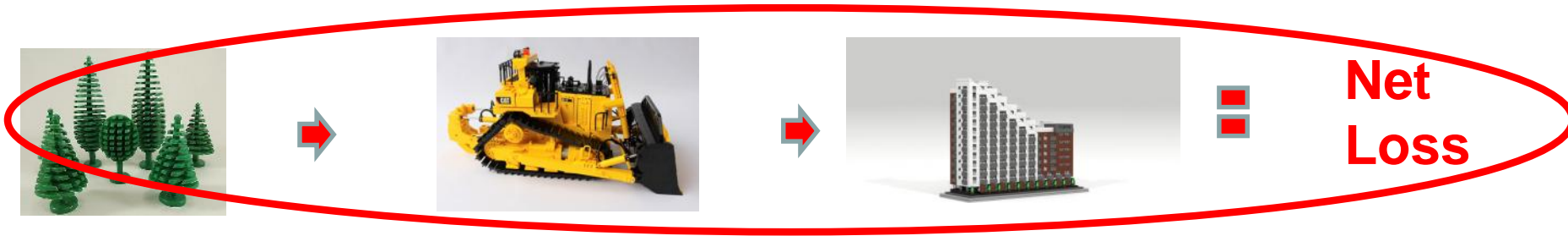
***Development and land management
that leaves biodiversity in a
measurably better state***



What is Biodiversity Net Gain Important?



Biodiversity Loss/Gain



Biodiversity Decline

MailOnline
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Revealed: 15% of British wildlife is at risk of EXTINCTION with major declines in more than half of species

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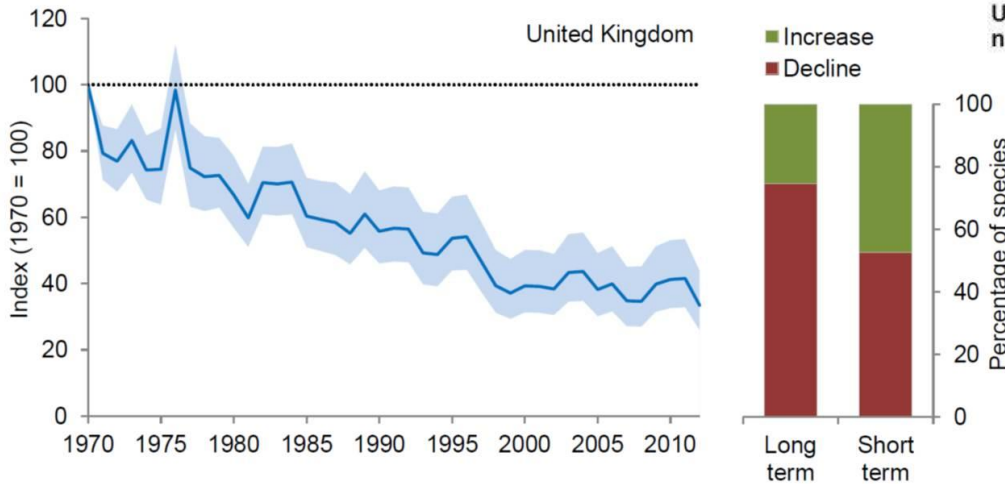
UK wildlife decline has slowed, but not stopped

The Telegraph ALL SECTIONS
 News More

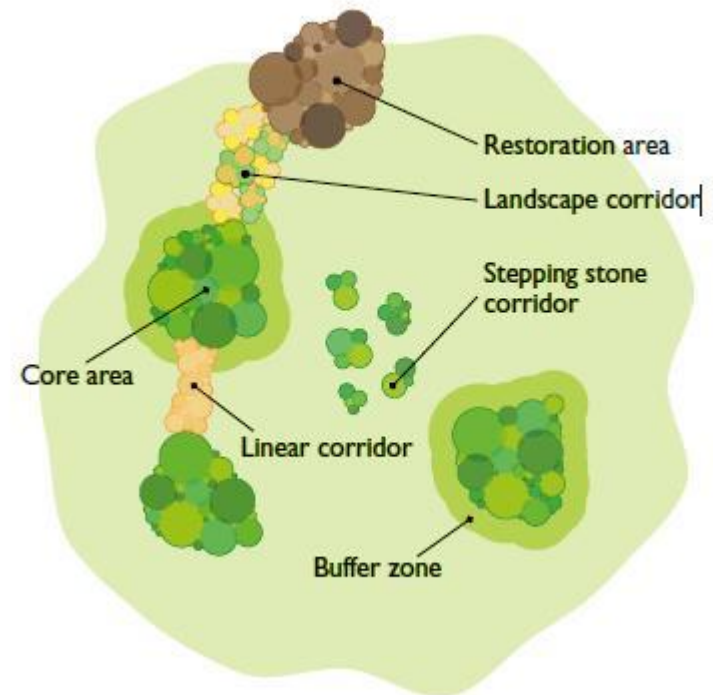
News
 Britain's wildlife 'crisis' with more than 120 species at risk of extinction due to intensive farming

the guardian
 home environment wildlife energy pollution climate change UK world us and
 wildlife

One in 10 UK wildlife species faces extinction, major report shows
 State of Nature reveals the destructive impact of intensive farming, urbanisation and climate change on plants, animals and habitats



The components of ecological networks



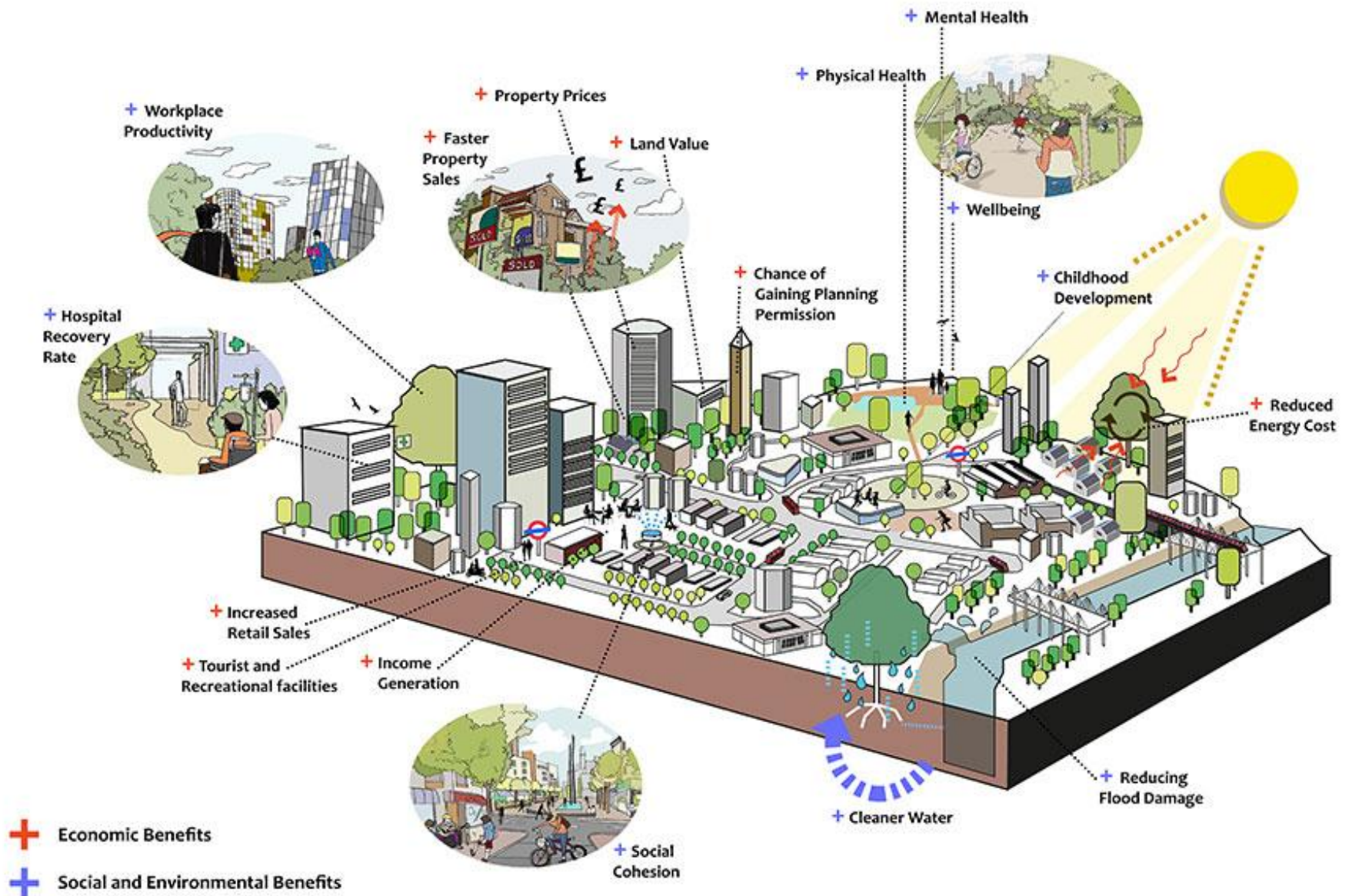
'More, Bigger, Better and Joined'

Prof Sir John Lawton, *Making Space for Nature* (2010)

A large, diverse crowd of people is walking along a city street, viewed from a low angle looking down the road. The people are mostly seen from behind or in profile, creating a sense of movement and density. The lighting is bright, suggesting a sunny day, with some lens flare effects. In the background, there are buildings, a pedestrian crossing sign, and a traffic light. The overall atmosphere is one of a busy, populated urban environment.

Nature Benefits People

Wider Benefits



On-Site or Off-site?



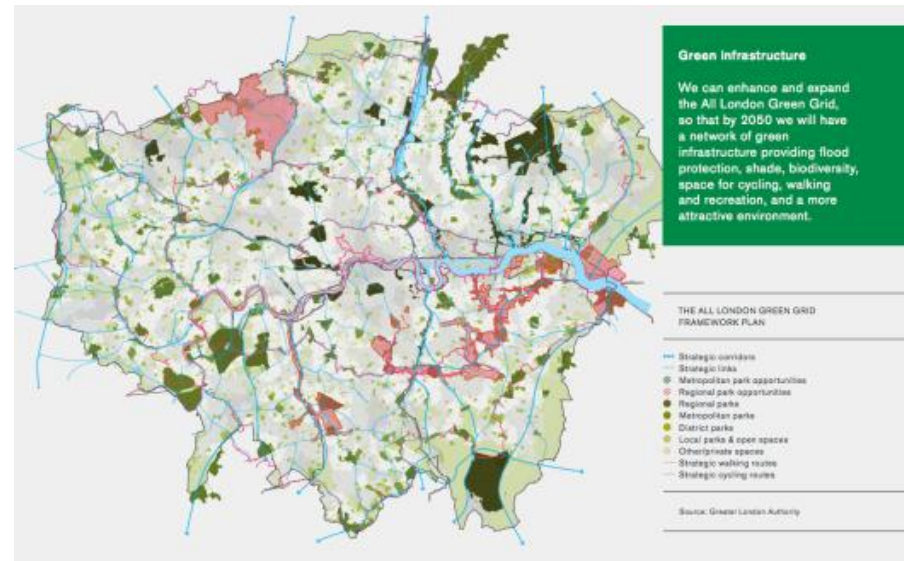
Net Gain Where?

On Site/Local

Strategic



And



On-Site Benefits.....



On-Site Benefits?



Supports the Mitigation Hierarchy



Avoid

(most favourable)

Mitigate

Compensate

People and Nature

49% of all visits to Natural Places are within **Towns & Cities**

93% said greenspace close to home was important

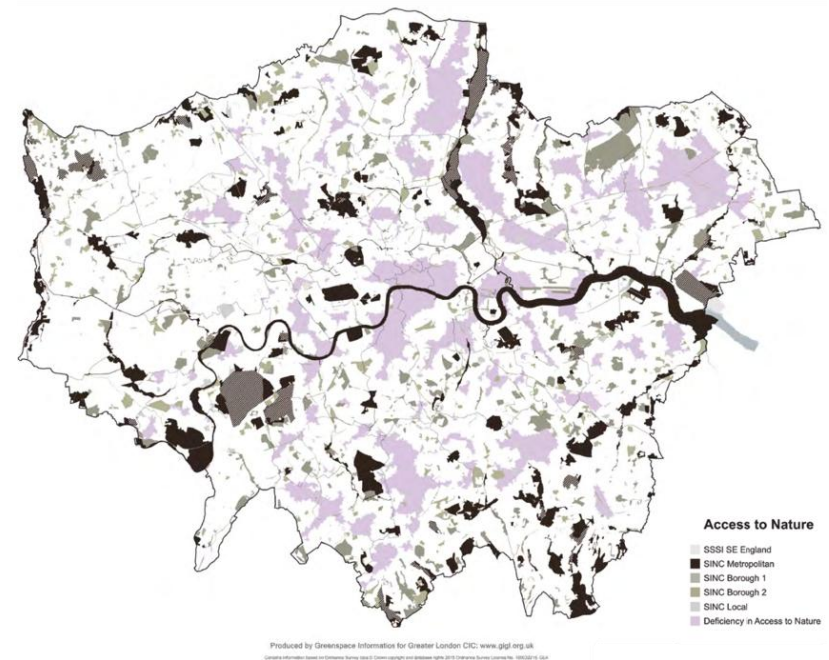
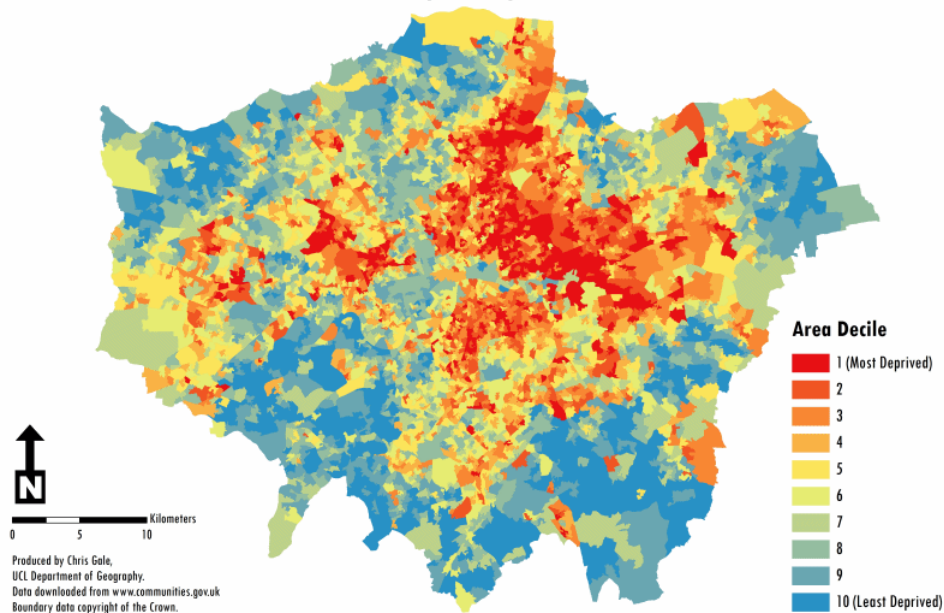


Inequality of Access to Nature

Most Deprived Areas

Least Access to Greenspace

The Overall Index of Multiple Deprivation for London in 2007



Benefits Developers

- De-Risking Planning
- Place-Making
- Resilience
- Reputation
- Cost Control + Potential Income



In-Line With Best Practice Principles

- Principle 1. **Apply the Mitigation Hierarchy**
- Principle 2. **Avoid losing biodiversity that cannot be offset by gains elsewhere**
- Principle 3. **Be inclusive and equitable**
- Principle 4. **Address risks**
- Principle 5. **Make a measurable Net Gain contribution**
- Principle 6. **Achieve the best outcomes for biodiversity**
- Principle 7. **Be additional**
- Principle 8. **Create a Net Gain legacy**
- Principle 9. **Optimise sustainability**
- Principle 10. **Be transparent**

On-Site Challenges and Solutions



Design – Challenge & Solution

- **Optioneering and design phases**
- **Multi-disciplinary approach**
- **Co-designed solutions**





Nature as the Solution



Nature as the Solution

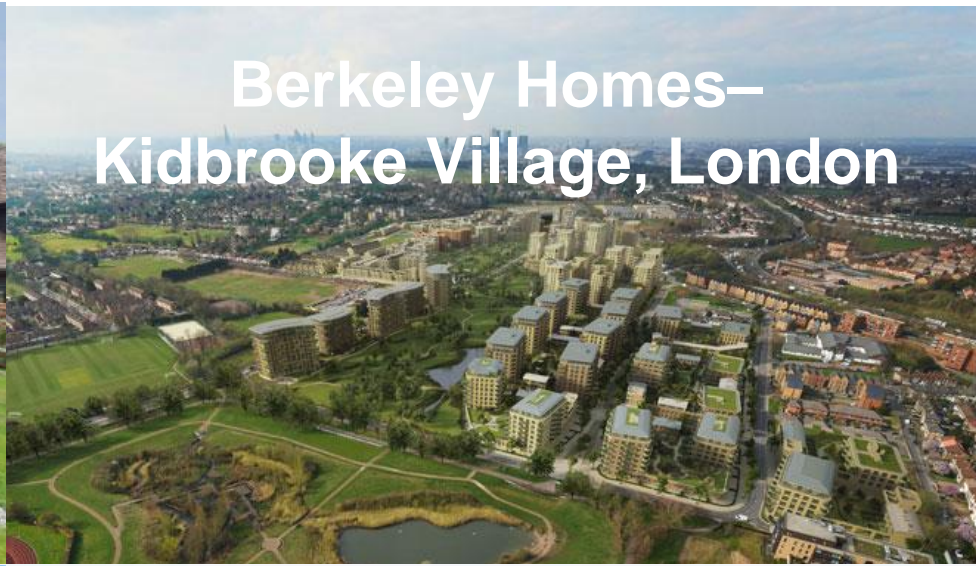


On Site Net Gain.... Examples

Millwood – Lavender
Fields, Isfield, E Sussex



Berkeley Homes –
Kidbrooke Village, London



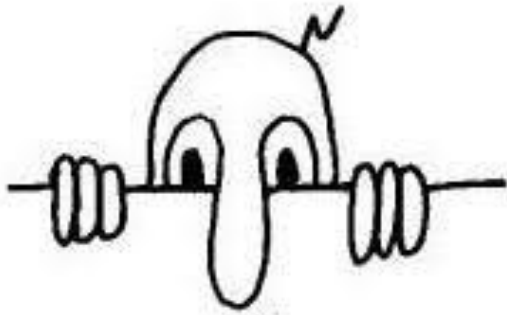
Barratt Developments –
Kingsbrook, Aylesbury



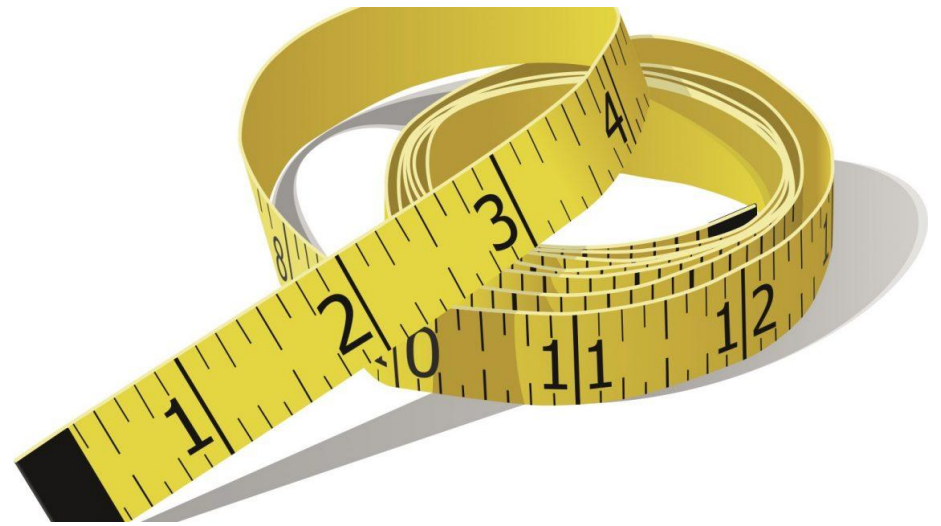
Redrow – Moulton, Nr
Northampton



Measuring on-Site Gains - Challenge



Wot no metric.....?



Measuring on-Site Gains - Solution

BREEAM®



Biodiversity Metric 2.0

- **SUDs**
- **Green roofs**
- **Green Walls**
- **Gardens**
- **Street Trees**

Maintenance - Challenge



Maintenance – Solutions?



A Management Plan



Contracts



**Standards
e.g. the future
BS8683**



Information & Data



We need

YOU!



And your ideas



Thank You

The logo for Natural England, featuring a green square above the text "NATURAL ENGLAND" in white, uppercase letters.

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