

An aerial photograph of a road intersection, likely a roundabout, surrounded by dense green trees and vegetation. The road has several lanes with cars and a red double-decker bus. The text is overlaid on the image in a large, white, sans-serif font.

IENE Webinar

Biodiversity Net Gain for Green Infrastructure Delivery

Tom Butterworth & Jonny Miller



PRESENTERS



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AGENDA

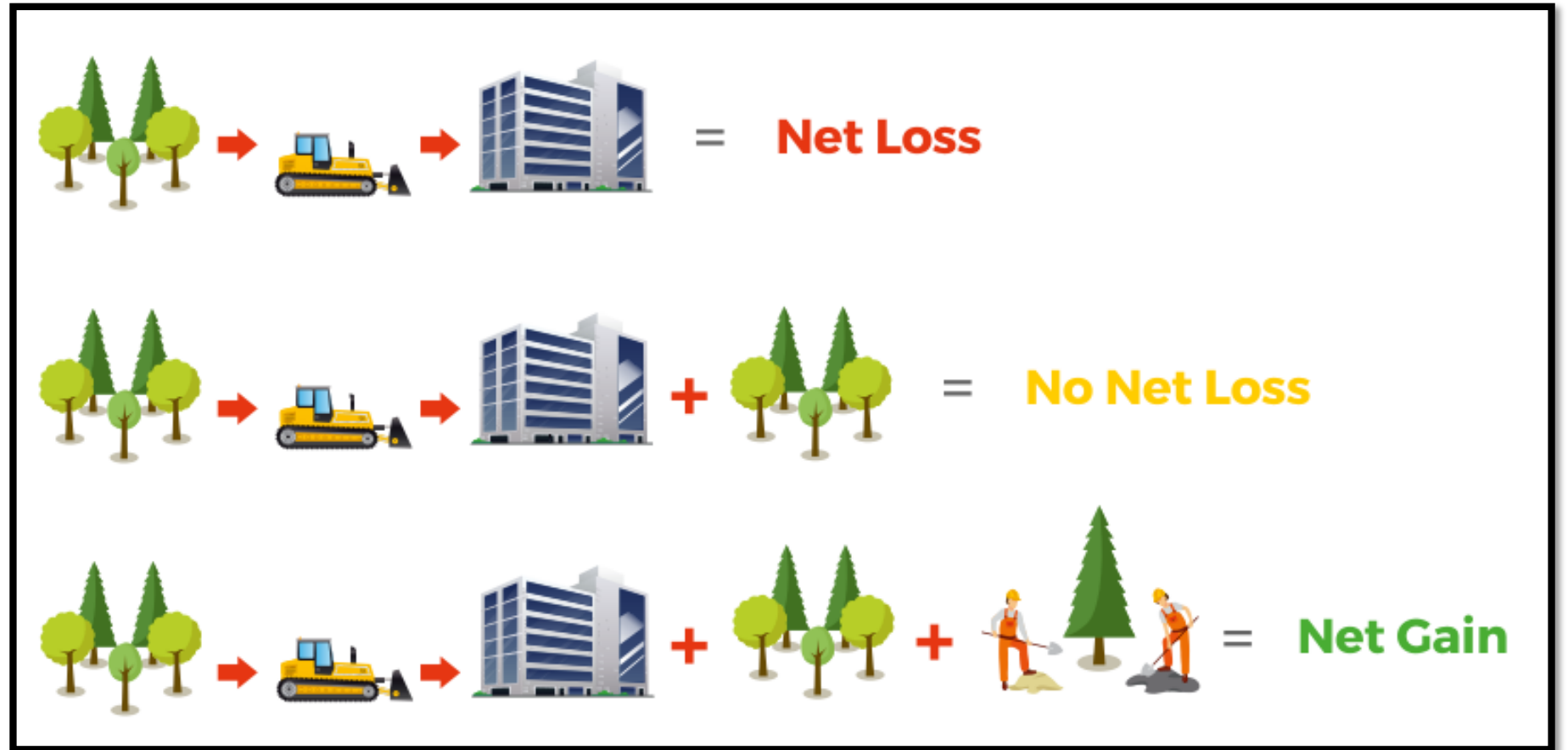
- What is Biodiversity Net Gain?
- UK context
- Green Infrastructure delivery
- Case study: Forder Valley Link Road
- Q&A

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WHAT IS BIODIVERSITY NET GAIN?



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- a requirement for development projects
- losses outweighed by measures to avoid, minimise or compensate for impacts



National Planning Policy Framework - 2021

Planning policies and decisions should contribute to and enhance the natural and local environment by minimising impacts on and providing net gains for biodiversity

Refers to “measurable net gains”



Planning Policy Wales. Edition 11 - 2021

“development should not cause any significant loss of habitats or populations of species, locally or nationally and must provide a net benefit for biodiversity.”

PLANNING POLICY



National Planning Framework 3 - 2014

The 2020 Challenge for Scotland's Biodiversity aims to promote and enhance Scotland's nature, and to better connect people with the natural world.



Strategic Planning Policy Statement for Northern Ireland (SPPS) - 2015

“working towards the restoration of and halting the loss of biodiversity;”

Policy paper

Environment Bill policy statement

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**Mandatory BNG, air quality, water management
and resource efficiency targets**

Local Nature Recovery Strategies

Environmental Land Management Scheme

UK CONTEXT *international standards*

- Business and Biodiversity Offsetting Programme
- International collaboration
- Member-developed best practice

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UK CONTEXT *national standards*

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

Biodiversity net gain. Good practice principles for development *A practical guide*

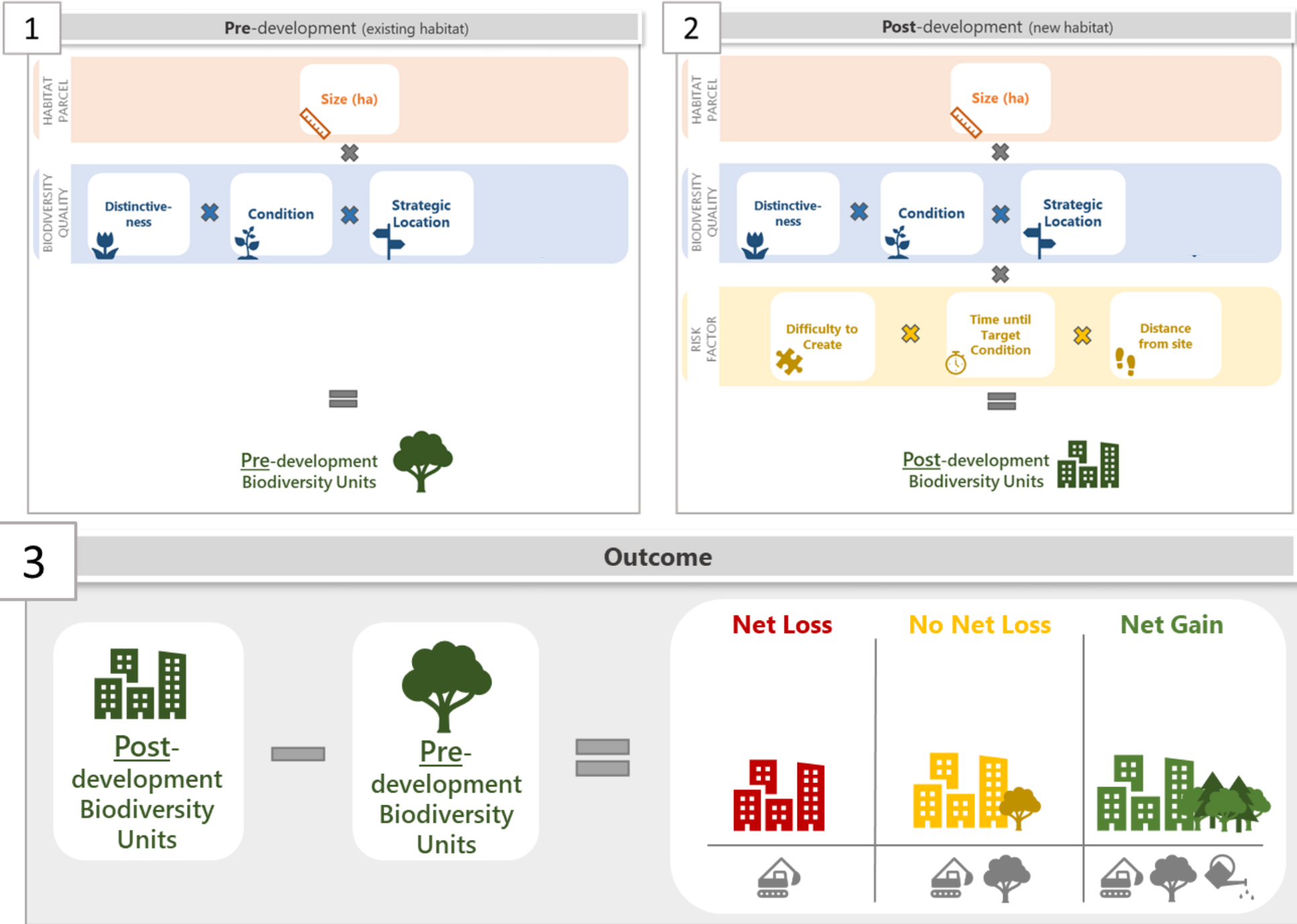


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IEMA Transforming the world
to sustainability



Assessing the change in biodiversity





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UK CONTEXT

national standards

1. Apply the Mitigation Hierarchy
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5. Make a measurable Net Gain contribution
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Biodiversity net gain. Good practice principles for development

A practical guide



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GREEN INFRASTRUCTURE DELIVERY



Climate
Regulation



Water
Regulation



Air Quality



Recreational
Benefits



Forder Valley Link Road, Plymouth, UK *overview*

- £52m scheme
- 1km road with flyover
- Enables 4,300 homes & community centre
- Baseline,
post-development & offset
site assessments
- Cost analysis
- Short-listed for IEMA
Sustainability Impacts
Award



Forder Valley Link Road, Plymouth, UK

key highlights & challenges

- LNR & priority habitats
- Iterative design
- Offset site selection
- Offsets:
 - *18ha* grassland & woodland;
 - *440m* hedgerow;
 - *340m* watercourse; &
 - *£1.2m* contributions.
- *80yr* commitment.

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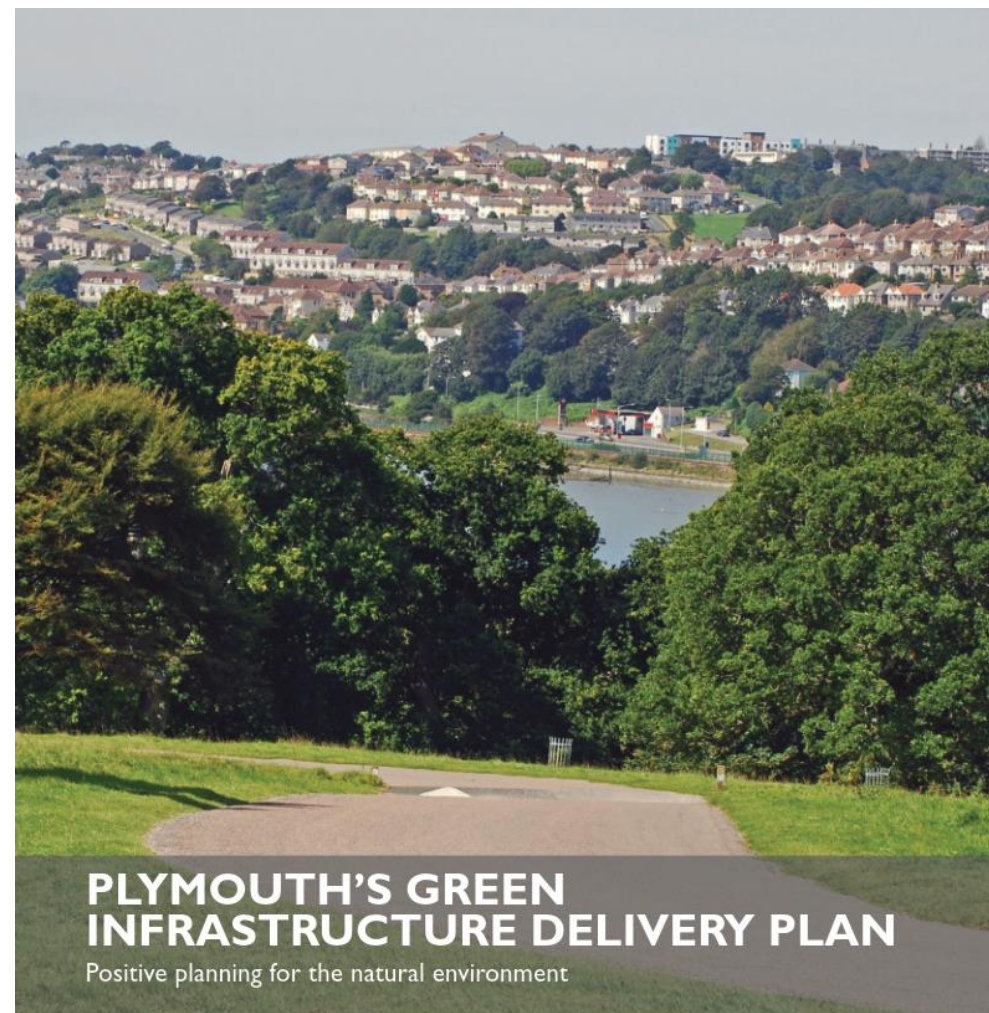
Forder Valley Link Road, Plymouth, UK *catalyst for wider change*

- Established BNG process
- Demonstrated potential for GI delivery
- Network of habitat banks
- Additional environmental & financial opportunities

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PLYMOUTH'S GREEN INFRASTRUCTURE DELIVERY PLAN

Positive planning for the natural environment

SUSTAINABLE DEVELOPMENT GOALS



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SUSTAINABLE DEVELOPMENT GOALS



**SUSTAINABLE
DEVELOPMENT GOALS**

17 GOALS TO TRANSFORM OUR WORLD



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CONCLUSION

key takeaways

- BNG is an effective tool
- Target strategic objectives
- Deliver multiple benefits
- Invest to succeed

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Questions?

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