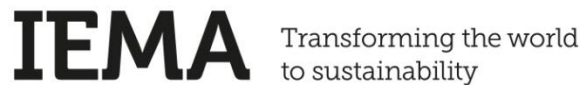


Biodiversity Net Gain

Good practice principles for development

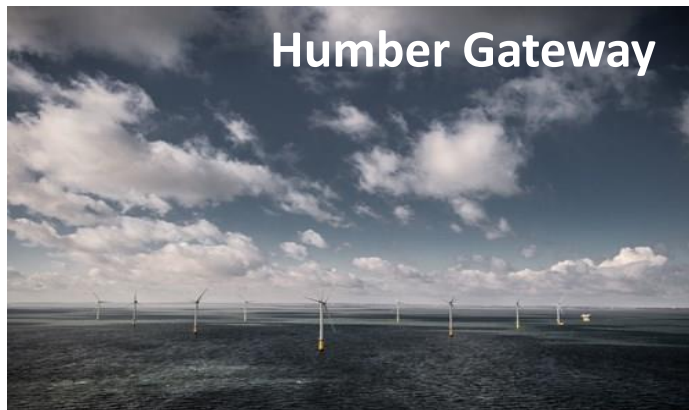


National Infrastructure Delivery Plan 2016–2021

£483bn investment in infrastructure projects



Road Investment Strategy



An aerial photograph showing a large, dense forest of bare trees in the foreground and middle ground. To the right, a road runs parallel to a cleared, grassy area. In the background, there are some buildings and more forested hills under a clear sky.

Halt the decline of biodiversity by 2020

Legally compliant development with
biodiversity loss



Industry is changing...



TARMAC
A CRH COMPANY



March 2009

Sector-specific Biodiversity Guidance

By the UK-GBC Biodiversity Task Group

Our plan to protect and
increase biodiversity



June 2015

Introducing BS 42020 - The first British Standard on biodiversity management

Marks & Spencer first UK retailer to achieve wildlife benchmark



BARRATT
HOMES



**Thameslink Programme:
delivering biodiversity benefits**





*Move from
this...*



The lime trees on Edgar Street are threatened by Highways Agency plans to add an extra lane to a roundabout.



Network Rail defends railside tree clearance described as 'butchery' by angry residents



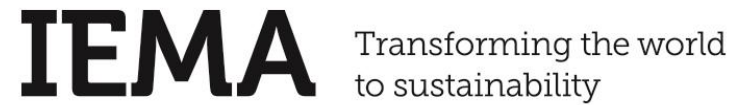
National Infrastructure Delivery Plan 2016–2021

[illegible]

A close-up photograph of a butterfly with orange wings featuring black spots and markings, perched on a vibrant purple thistle flower. The background is a soft, out-of-focus natural setting.



*The first UK principles
on good practice to achieve
Biodiversity Net Gain*



The first UK principles
on good practice to achieve
Biodiversity Net Gain

Industry driven



Initial draft



Expert feedback



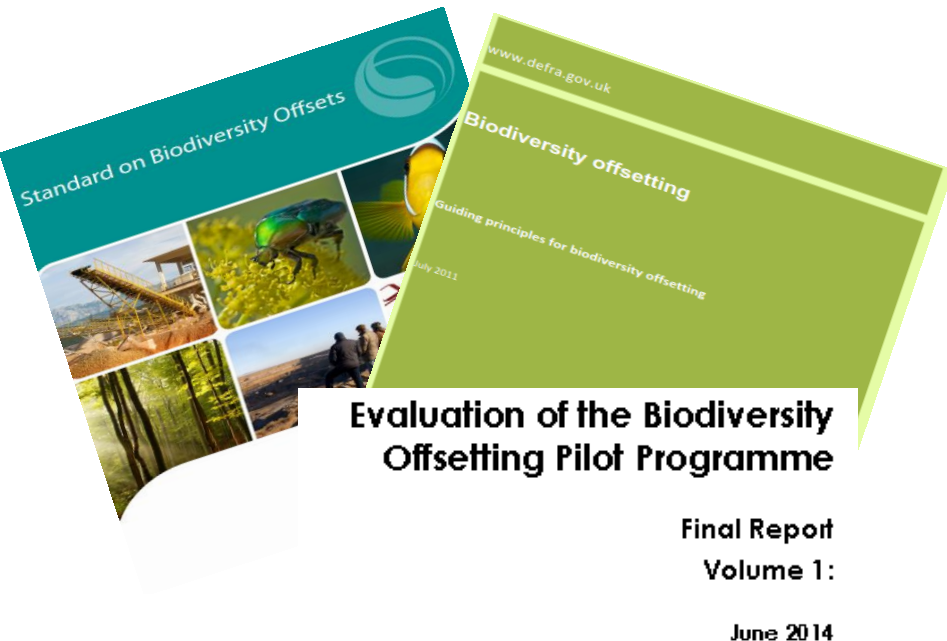
Refined



Webinar



Refined for 1st
publication



Initial draft



Expert feedback



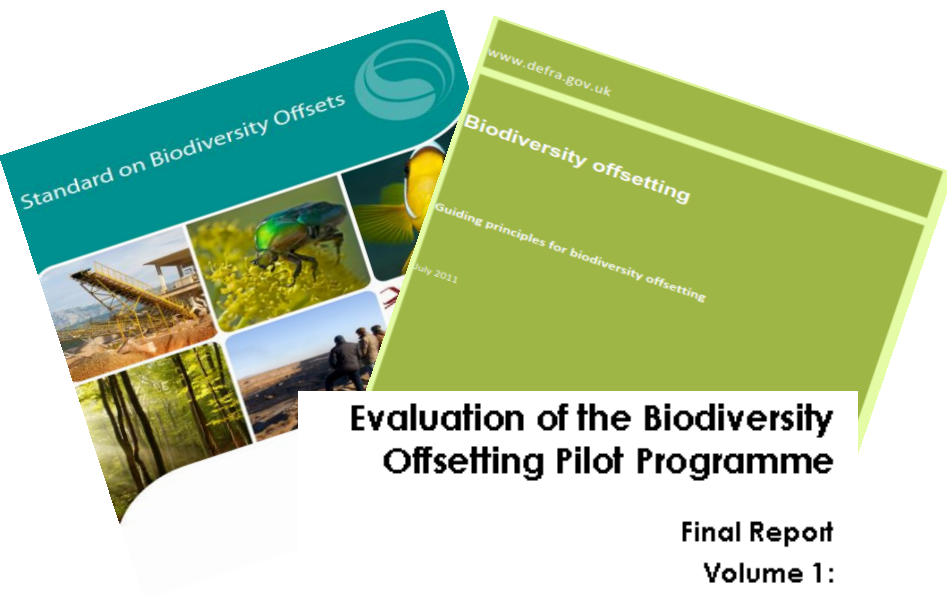
Refined



Webinar



Refined for 1st
publication



**Evaluation of the Biodiversity
Offsetting Pilot Programme**

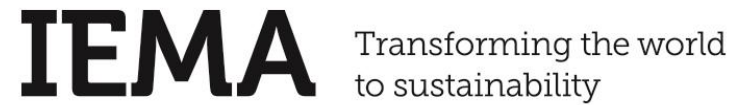
**Final Report
Volume 1:**

June 2014

*Over 450 professionals
Average 72% agreed*

The first UK principles
on good practice to achieve
Biodiversity Net Gain

To be tested



1. Establish a clear goal

Net Gain is

*Development that leaves biodiversity in a
better state than before*

2. *Establish an approach
to achieve the goal*

Net Gain is

An approach whereby developers work with stakeholders to support their priorities for nature conservation

3. Establish good practice principles

THANK YOU!

- 1. Apply the Mitigation Hierarchy**
- 2. Avoid losing biodiversity that cannot be offset by gains elsewhere**
- 3. Be inclusive & 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**

1. **Apply the Mitigation Hierarchy**
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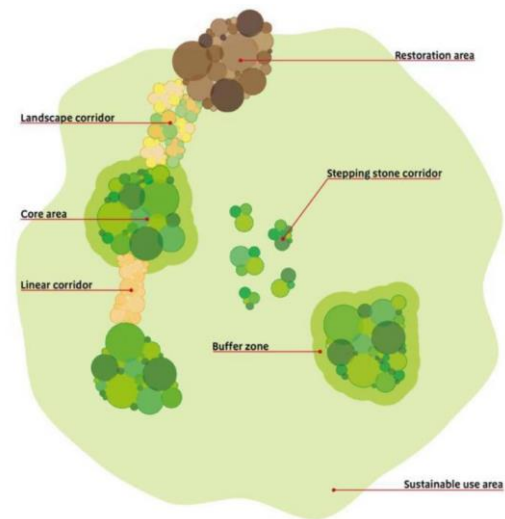
Development

Connections

Conservation

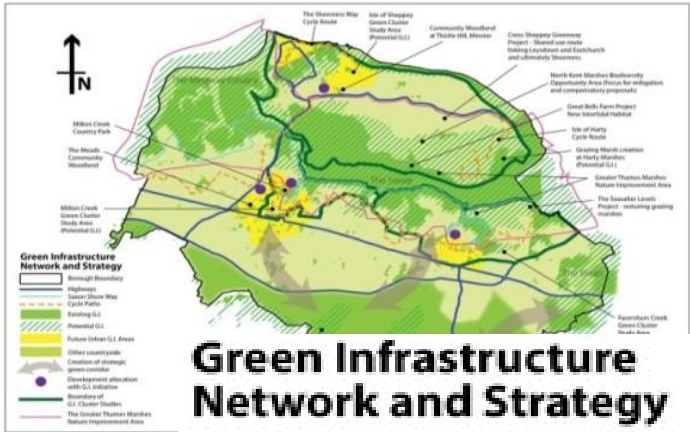
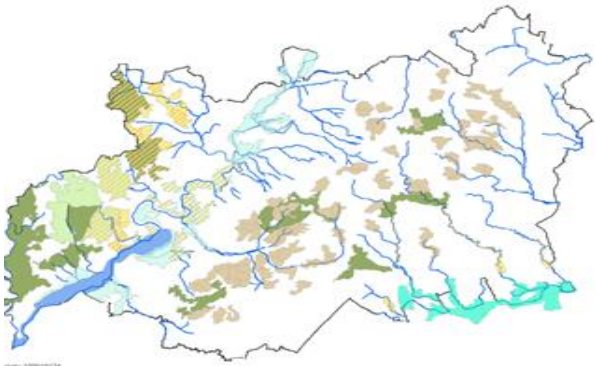


Make Net Gain meaningful

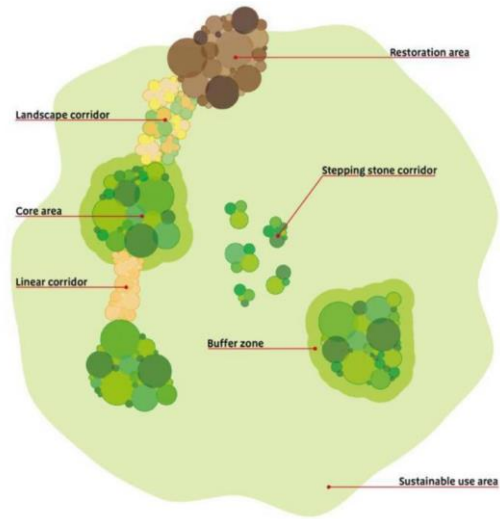


Biodiversity Action Plan

Strategic Nature Areas

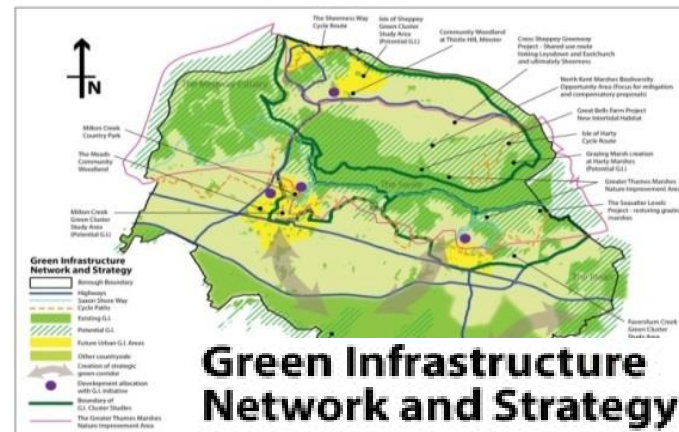
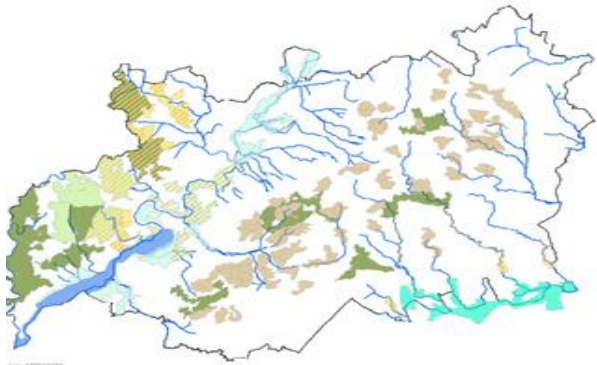


Partner with local stakeholders



Biodiversity Action Plan

Strategic Nature Areas



How could offset outcomes be most improved?



Technical conditions for positive outcomes
from biodiversity offsets

An input paper for the IUCN Technical Study Group on
Biodiversity Offsets



How could offset outcomes be most improved?

*Greater stakeholder
engagement during the
offset design process, and
feasibility testing*



Technical conditions for positive outcomes
from biodiversity offsets

An input paper for the IUCN Technical Study Group on
Biodiversity Offsets



THE
BIODIVERSITY
CONSULTANCY

No net loss of what, for whom?

Stakeholder perspectives on Biodiversity Offsetting in England



Stockholm Environment Institute Working Paper 2016-11

*Stakeholder participation is integral to
successful design & implementation*

*Stakeholder participation is integral to
successful design & implementation*

*“Communities are often the expert of
the landscape”*



No net loss of what, for whom?

Stakeholder perspectives on Biodiversity Offsetting in England

1. **Apply the Mitigation Hierarchy**
2. **Avoid losing biodiversity that cannot be offset by gains elsewhere**
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4. **Address risks**
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6. **Achieve the best outcomes for biodiversity**
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9. **Optimise sustainability**
10. **Be transparent**

Ecological equivalent



Ecological equivalent



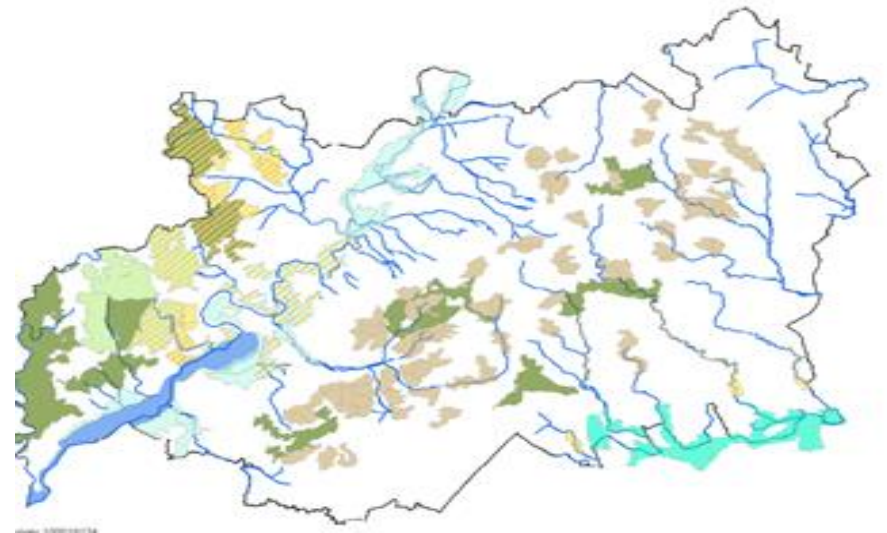
Out of kind?



Local versus Landscape?



Strategic Nature Areas



It depends...

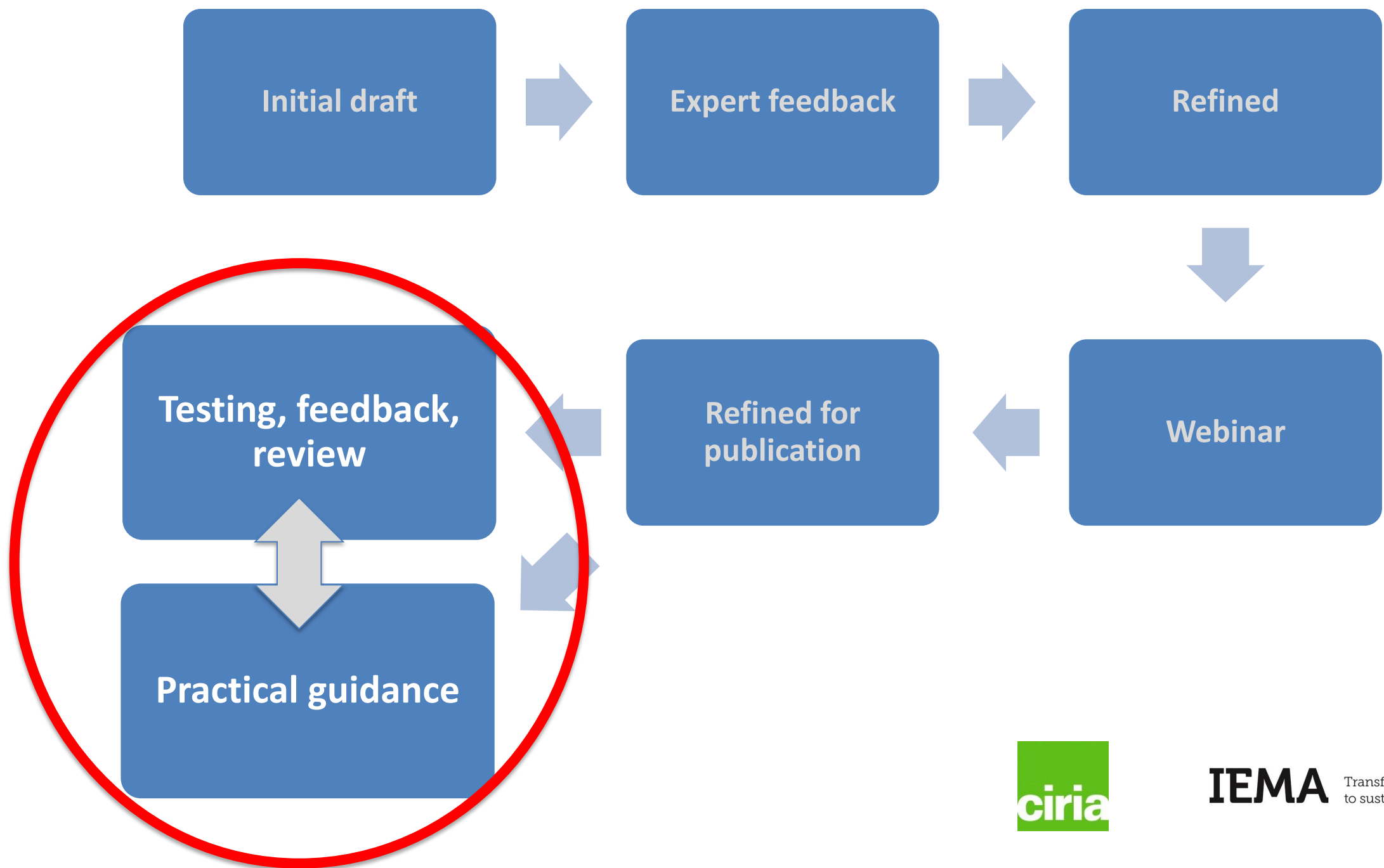


Achieve the best outcomes...

by making clearly-justified choices when deciding...

<i>Equivalent</i>	<i>vs</i>	<i>Out of kind</i>
<i>Local</i>	<i>vs</i>	<i>Landscape</i>
<i>Enhance</i>	<i>vs</i>	<i>Create new</i>







1. **Apply the Mitigation Hierarchy**
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Engaging stakeholders & jointly agreeing practical solutions that secure Net Gain in perpetuity



Engaging stakeholders & jointly agreeing practical solutions that secure Net Gain in perpetuity

Collaborative partnerships for innovation

