

Biodiversity in LDA Developments

A case study

IGBC & DHLGH Biodiversity in the
Built Environment Webinar Series

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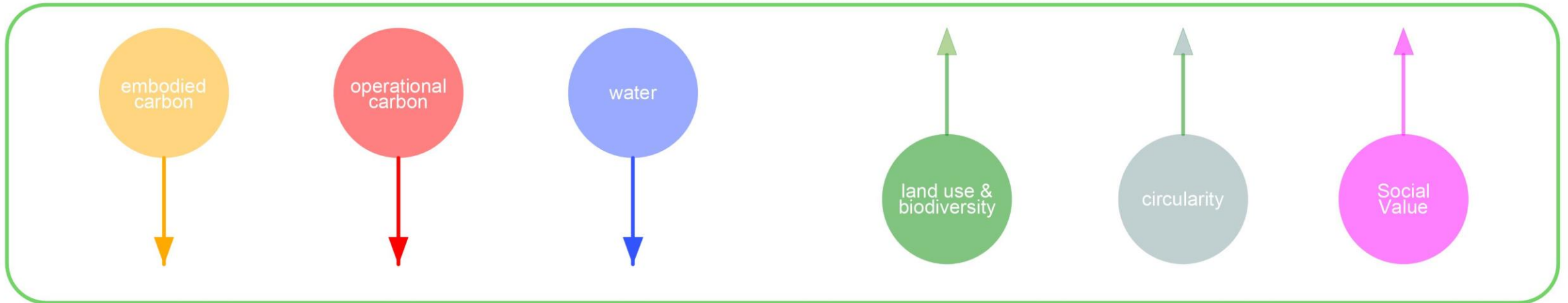
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Context

LDA Sustainability Ambition



Opportunities

Sites

Over 250 Hectares of state lands identified for transfer to LDA

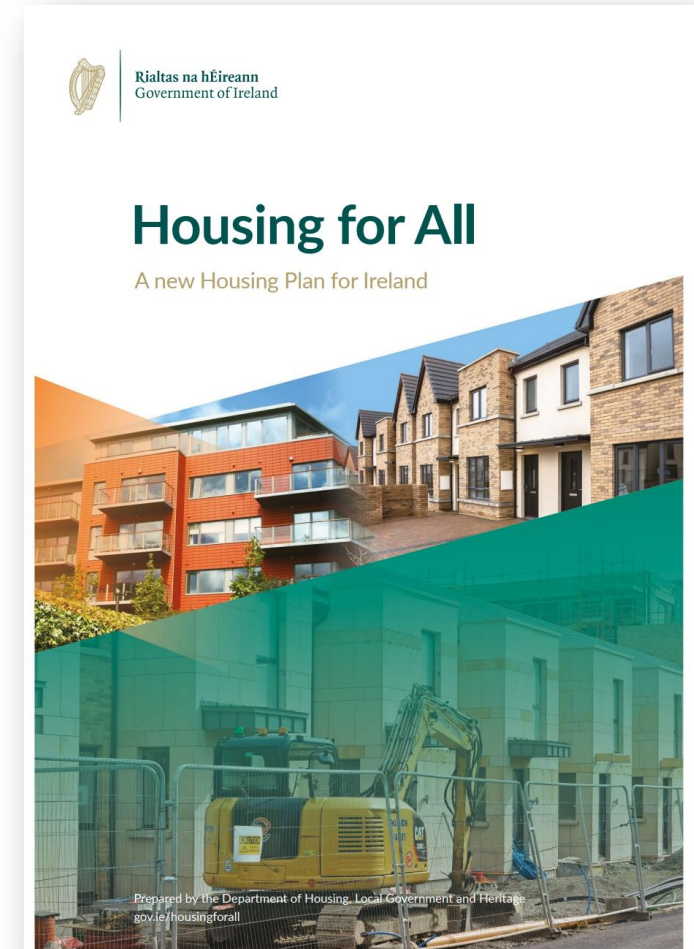
7 sites in Dublin

1 site in Galway

4 sites in Cork

2 sites in Limerick

78% of this land is comprised of brownfield sites within existing urban footprints with capacity to deliver approximately approx. 15,000 homes. This will support the delivery of 88% of the anticipated yield, more than double the stated ambition of the NPF.



Process

Learning from the process & informing a consistent approach

- 1 – Surveying, mapping,
- 2 – It's Green & Blue infrastructure not Landscaping!
- 3 – The Brief, Defining the scope that GBI needs to cover –
Amenity, Recreation, Shade, Urban Heat Island effect,
air quality, noise reduction, **Biodiversity**, SUDS,
- 4 - Communication, coordination, iteration
- 5 - A consistent process will result in quantifiable &
consistent outcomes across the LDA portfolio

Case Study

Brief & Context

What were we trying to achieve?

To form a resilient masterplan that is focused on the natural gain of the receiving environment

retaining and enhancing habitats, forming clear pedestrian green links, and establishing new major open spaces within the site

form a continuous network of spaces that connects the site to its surroundings while firmly knitting the site together.

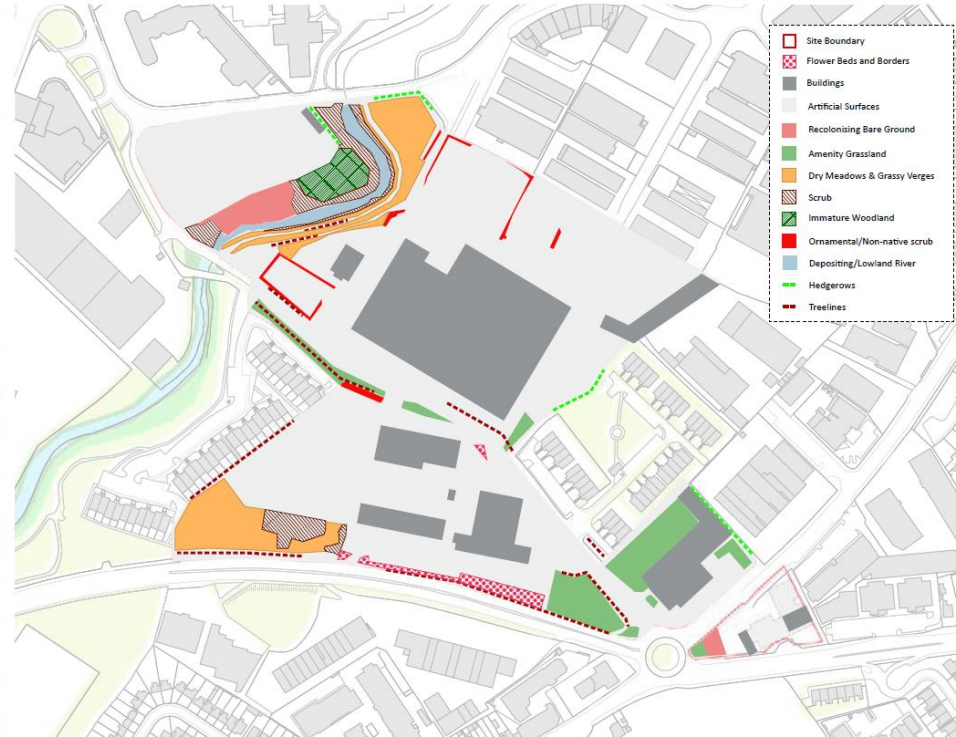
Achieve Quantifiable BNG through design



Case Study

Mapping Constraints & Assets

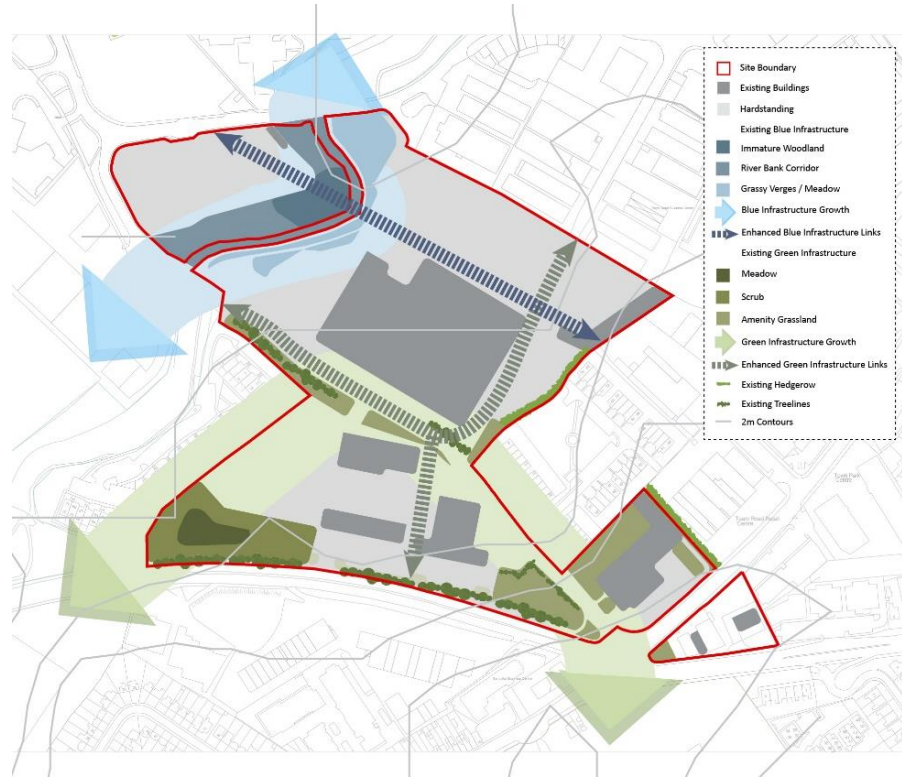
Understanding Biodiversity baseline and how this informs & supports urban design & master-planning approach



- Site Boundary
- Flower Beds and Borders
- Buildings
- Artificial Surfaces
- Recolonising Bare Ground
- Amenity Grassland
- Dry Meadows & Grassy Verges
- Scrub
- Immature Woodland
- Ornamental/Non-native scrub
- Depositing/Lowland River
- Hedgerows
- Treelines

Design, iterations & quantification

Quantifying impacts on BNG at each iteration and informing design through evolution of brief



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Current design iteration for public consultation

BGI as a focal point for interdisciplinary interaction and a mechanism for delivering multiple brief objectives including measurable BNG



Thank You!

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