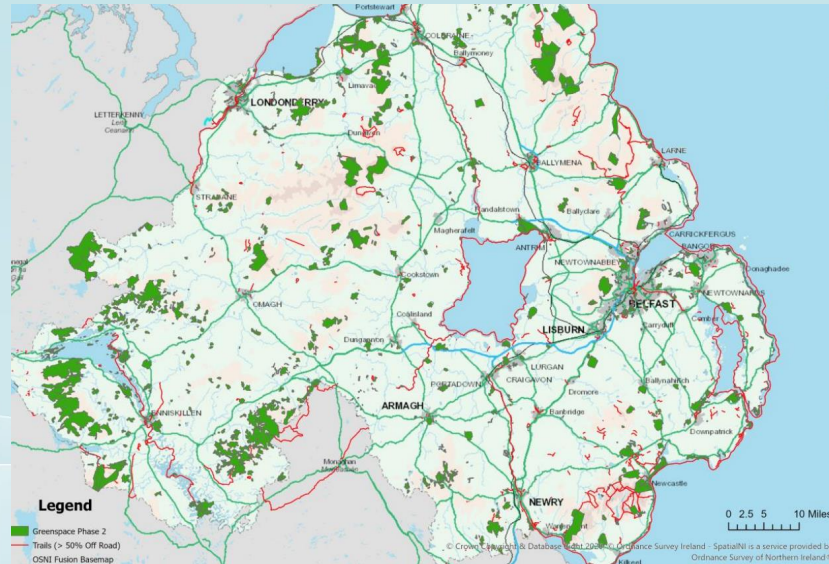


Supporting the Development of a “Greenspace Layer” for Outdoor Recreation in Northern Ireland



Rico Santiago
Interim Head of Business Development
Ordnance Survey of Northern Ireland (OSNI)



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OUTLINE

- Background
- Objectives
- Data
- Greenspace Model
- Benefits



BACKGROUND



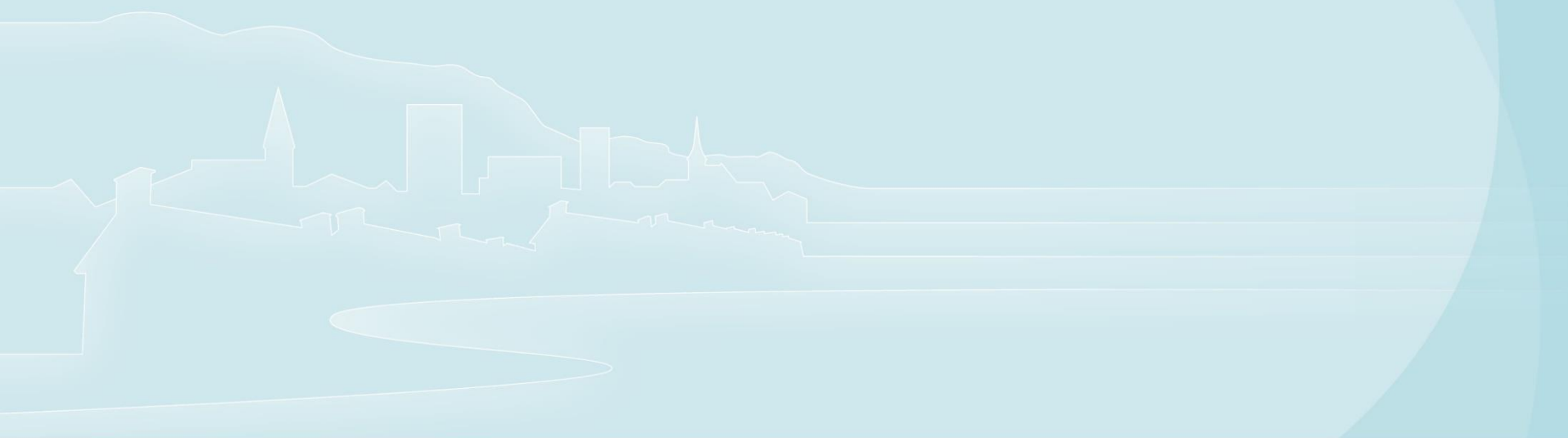
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BACKGROUND

- Participation in the outdoors decreases as deprivation increases
- Access to greenspace is a problem
- Greenspace provision is not equal

The need for a “Greenspace Layer”



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BACKGROUND

The Strategic Outdoor Recreation Group (SORG) of Northern Ireland

- Co-chaired by DAERA and DfC



Department of
**Agriculture, Environment
and Rural Affairs**

Sustainability at the heart of a living, working,
active landscape valued by everyone



Department for
Communities

An Roinn
Pobal

Depairtment fur
Commonities

- Greenspace Mapping Steering Group



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OBJECTIVES

- The target of 'Annual increase of the population within a 5-minute walk of quality green/blue space' proposed for Northern Ireland's Programme for Government and other strategies can be objectively measured
- It can be used by government departments and agencies, Councils, and eNGOs, for infrastructure planning, gap analysis, resource allocation, site suitability assessments and demographic analysis (e.g., health and deprivation, etc.)
- The data will be visually engaging and published on Spatial NI, OutmoreNI and OpenDataNI



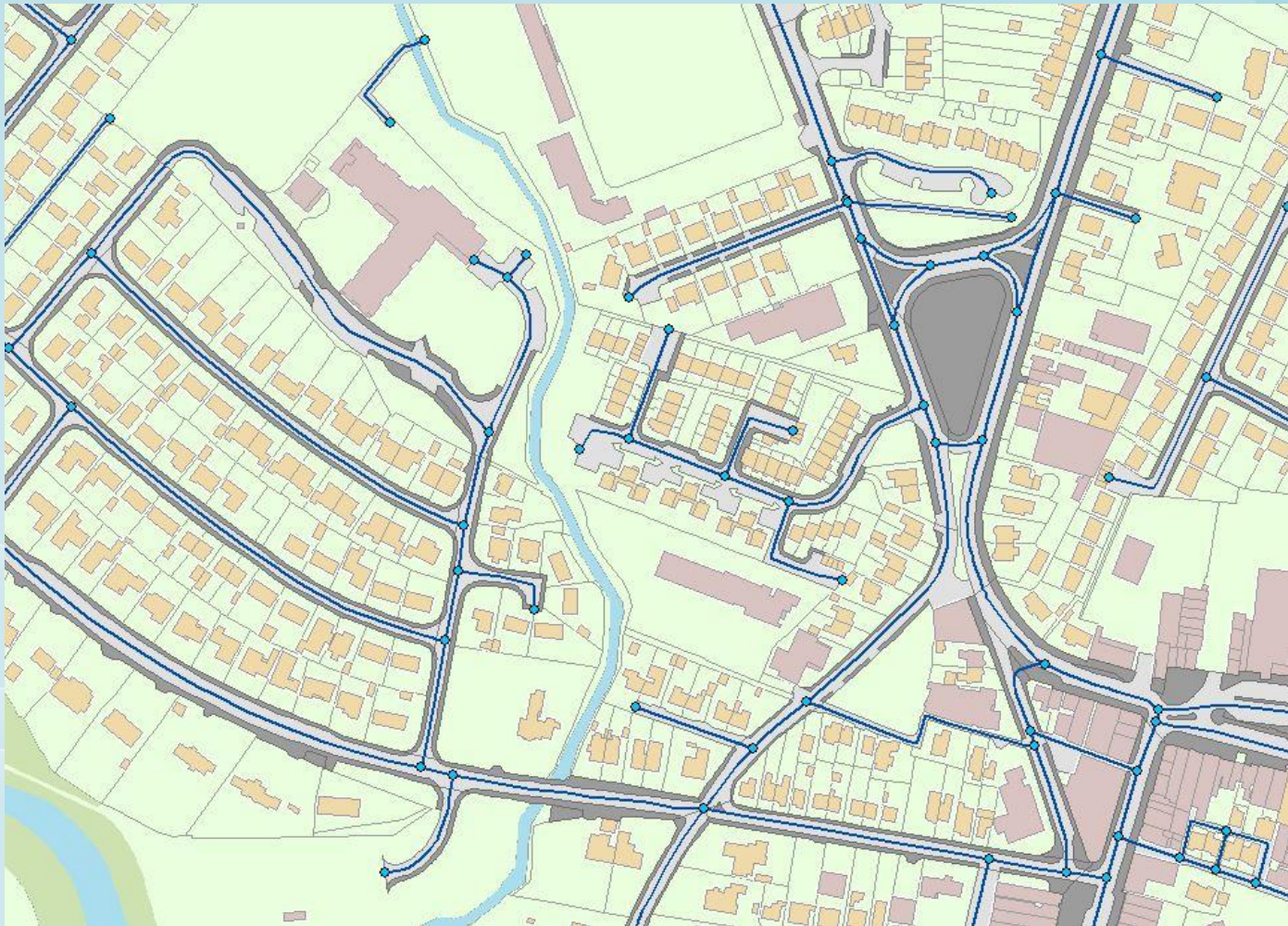
DATA



Figure 2: 'Building Blocks' of the Green Space Map



OSNI FUSION



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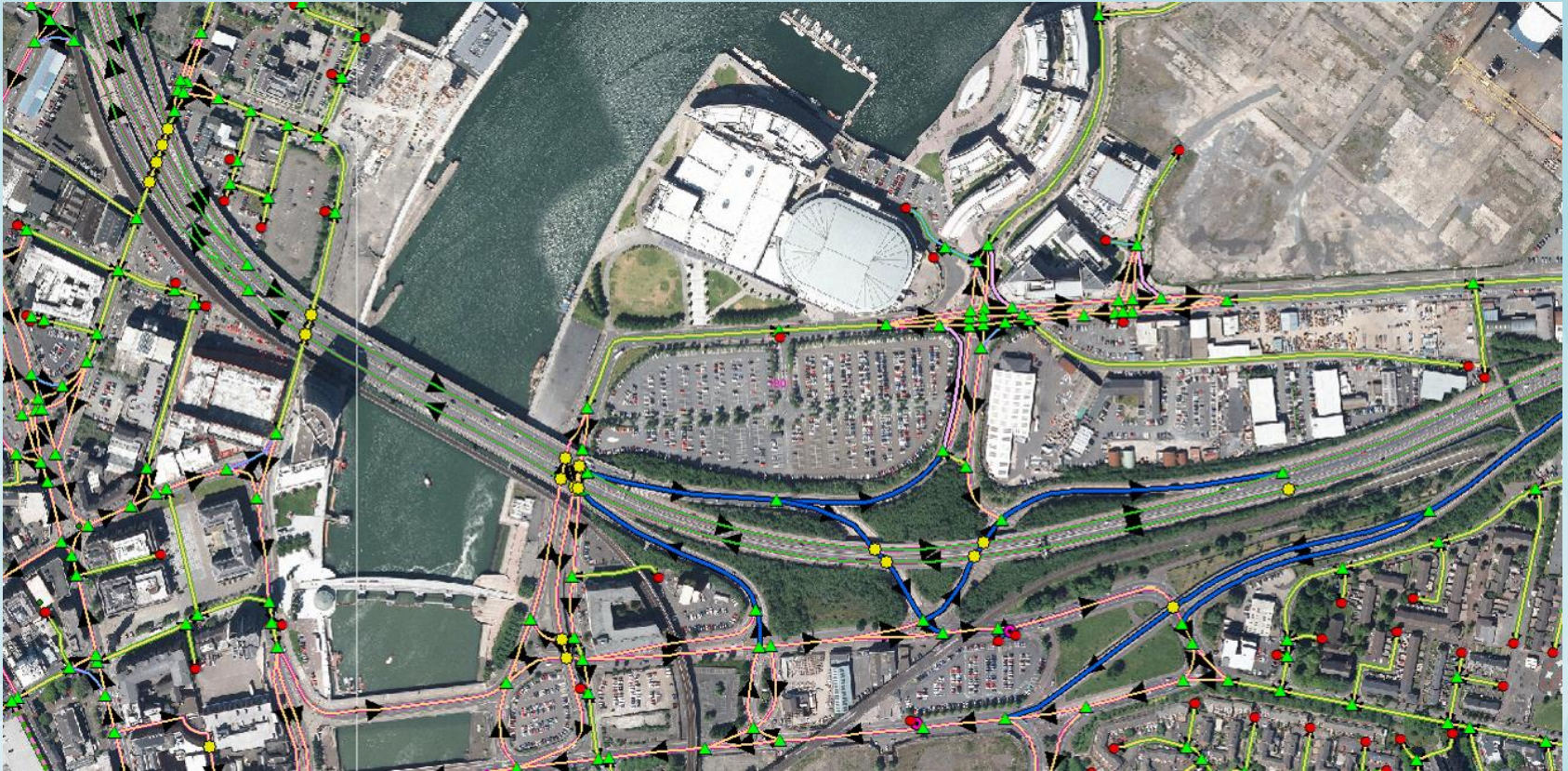
OSNI ORTHOPHOTOGRAPHY



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OSNI FUSION TRANSPORT NETWORK



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OSNI POINTER – ADDRESS DATABASE

What is Pointer?

Pointer is the most comprehensive and authoritative address database for Northern Ireland. It is maintained by LI with input from other authoritative sources; local district councils and Royal Mail. This is the common standard address dataset with co-ordinates for every property in Northern Ireland.

PRODUCT INFORMATION

- Supplied as full NI coverage or individual Local Government District (LGD) datasets; monthly, quarterly and yearly updates. Full Coverage also available as daily and weekly updates
- As well as address information, Pointer records contain building and address status and building classification
- Townland name added to all addresses
- Unique Property Reference Number (UPRN) is assigned to each address
- An extension file links each Pointer record to additional administrative boundary information using the UPRN field
- Will have ability to be linked with OSNI Fusion through land parcels and building IDs
- Each record can be linked to LPS Property Data using the UPRN field and the Transport Network using the (Unique Street Reference Number) USRN
- Pointer consists of almost 1 Million points with 857,000 as Built Approved.
- Each record contains an Irish Grid co-ordinate
- Approximately 99% match with LPS property Data

Key Features:

- UPRN
- Irish Grid co-ordinate for each record
- Full address information
- Building and Address status
- Building Classification
- Administrative Boundary detail
- Townland names
- Land Parcel Fusion ID
- Building Polygon Fusion ID

TECHNICAL SPECIFICATION

Format – CSV

Supply – Digital – Available as full file and updates only

Availability – LGD and Full Northern Ireland

Coverage – LGD or Full Northern Ireland

Update Frequency – Daily

Maximum file size - 221MB

Coordinate Reference System – Irish Grid

Accuracy Statement – Updates added daily



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DATA



Figure 2: 'Building Blocks' of the Green Space Map

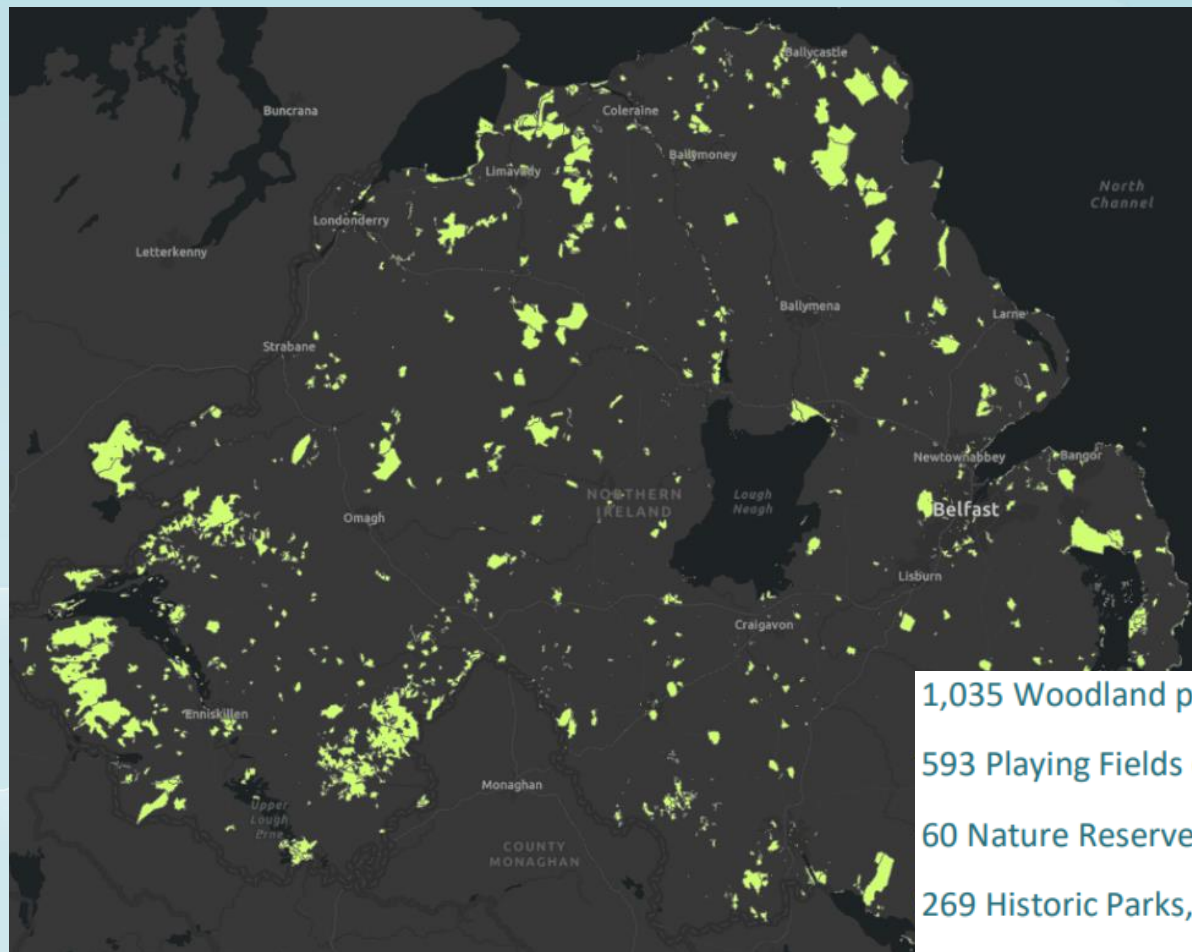




Belfast
City Council



MODEL – PHASE 1



1,035 Woodland polygons.

593 Playing Fields (using OSNI Fusion type code 'playing field')

60 Nature Reserves (statutory and none statutory)

269 Historic Parks, Gardens and Country Parks (NIEA)

97 Beaches

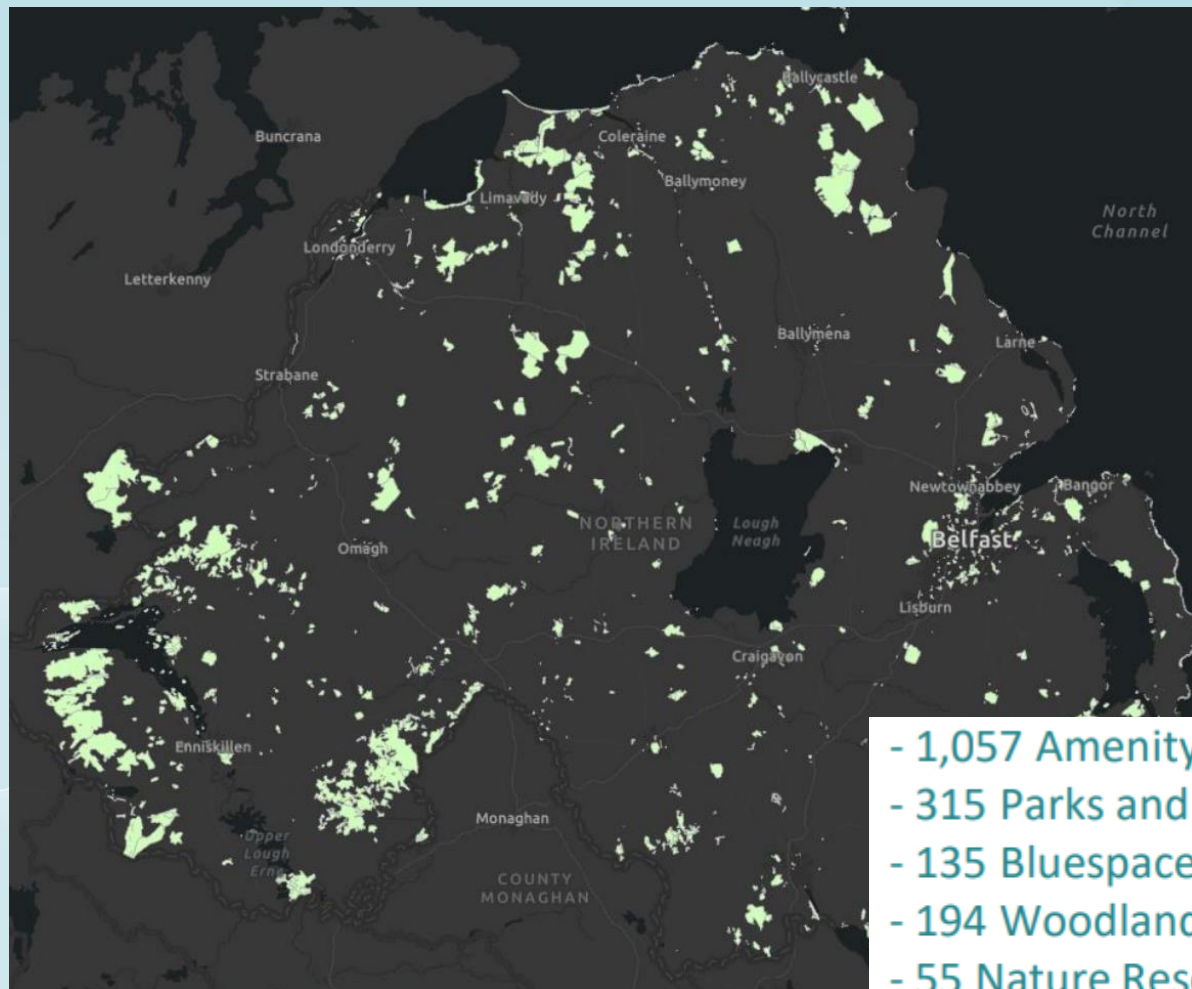
51 National Trust Sites



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MODEL – PHASE 2



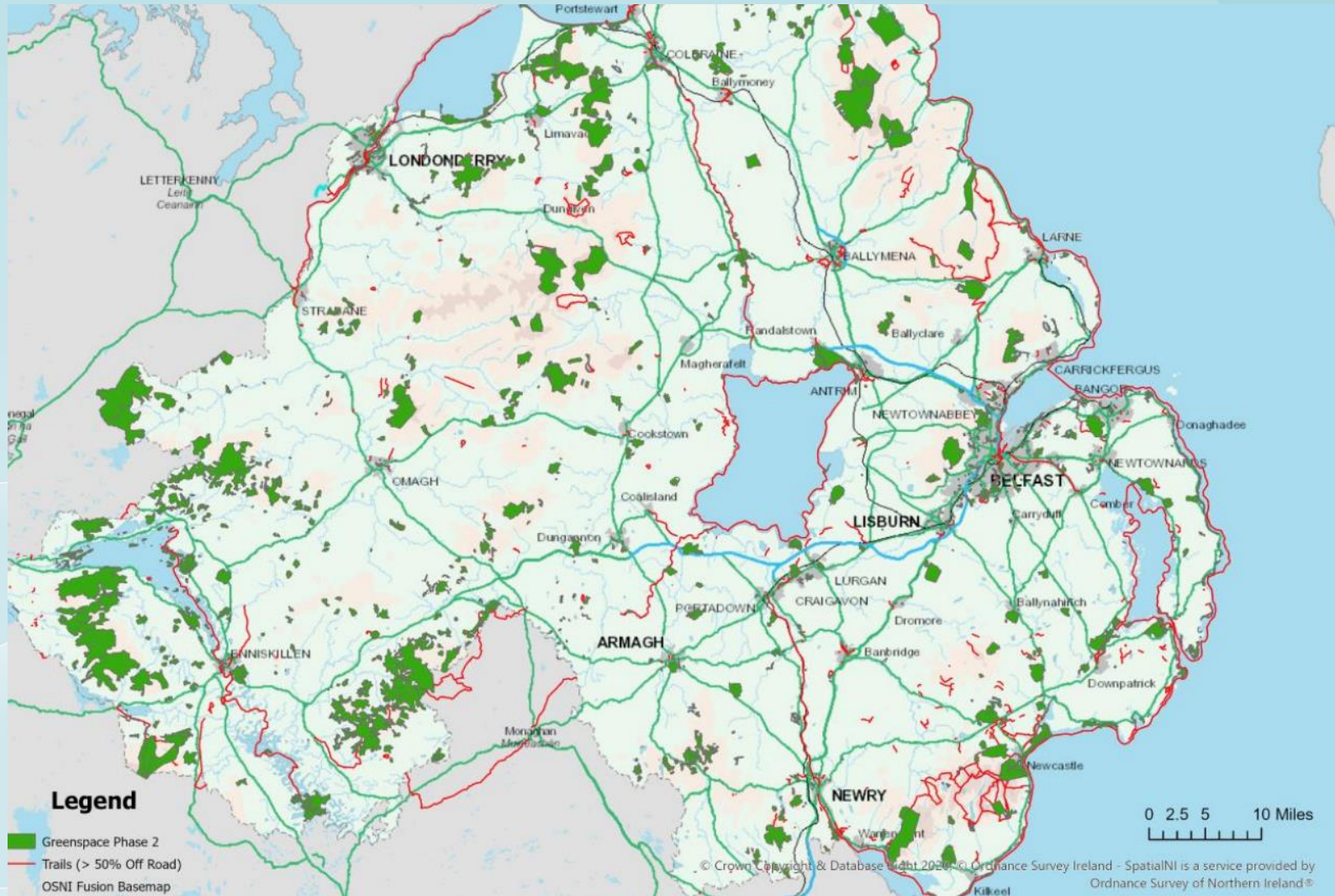
- 1,057 Amenity Greenspaces
- 315 Parks and Gardens
- 135 Bluespace Polygons
- 194 Woodland polygons
- 55 Nature Reserves (statutory/ non- statutory)
- 29 Areas of Open Country



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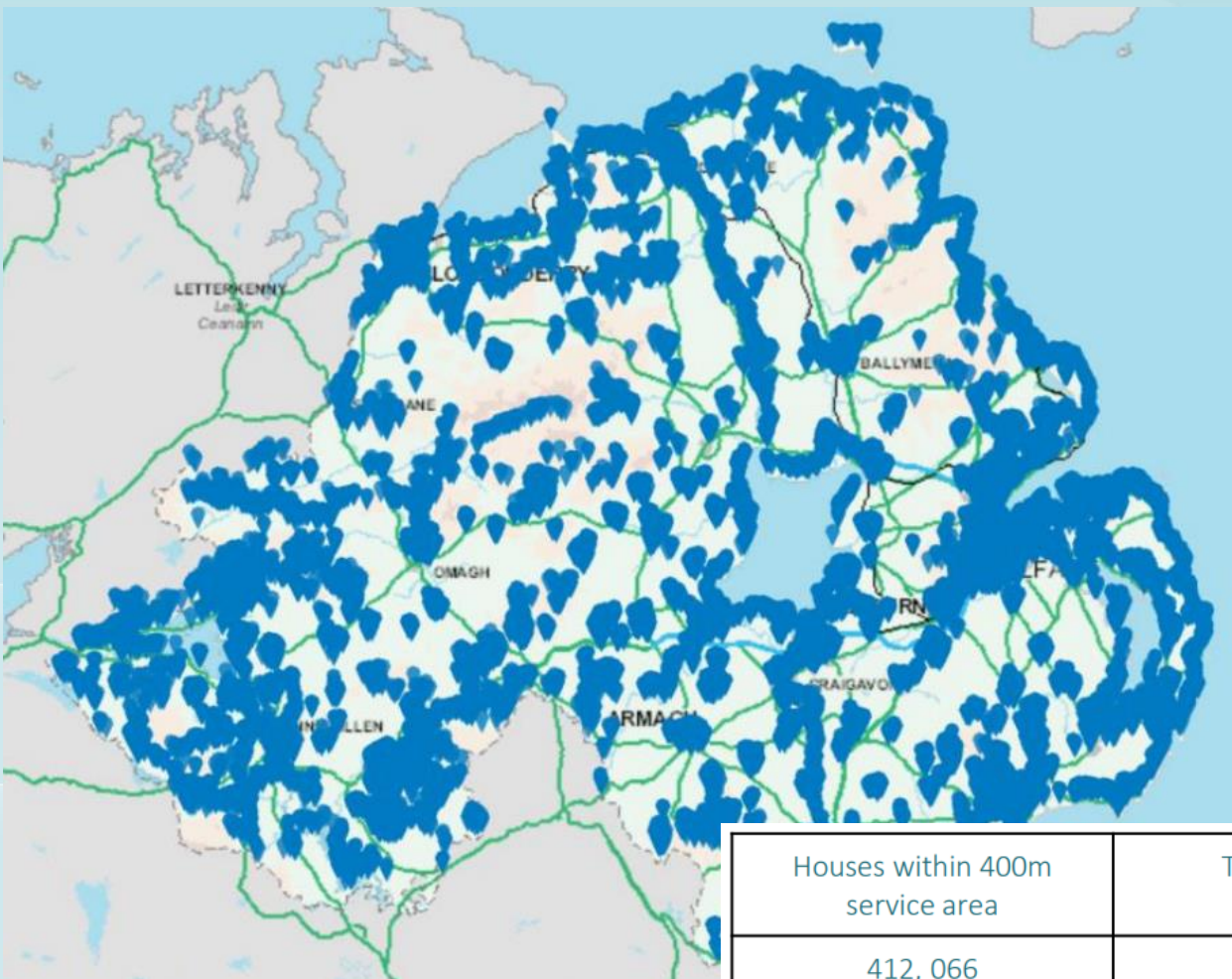
MODEL – OUTCOME MAP



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MODEL – PROXIMITY ANALYSIS



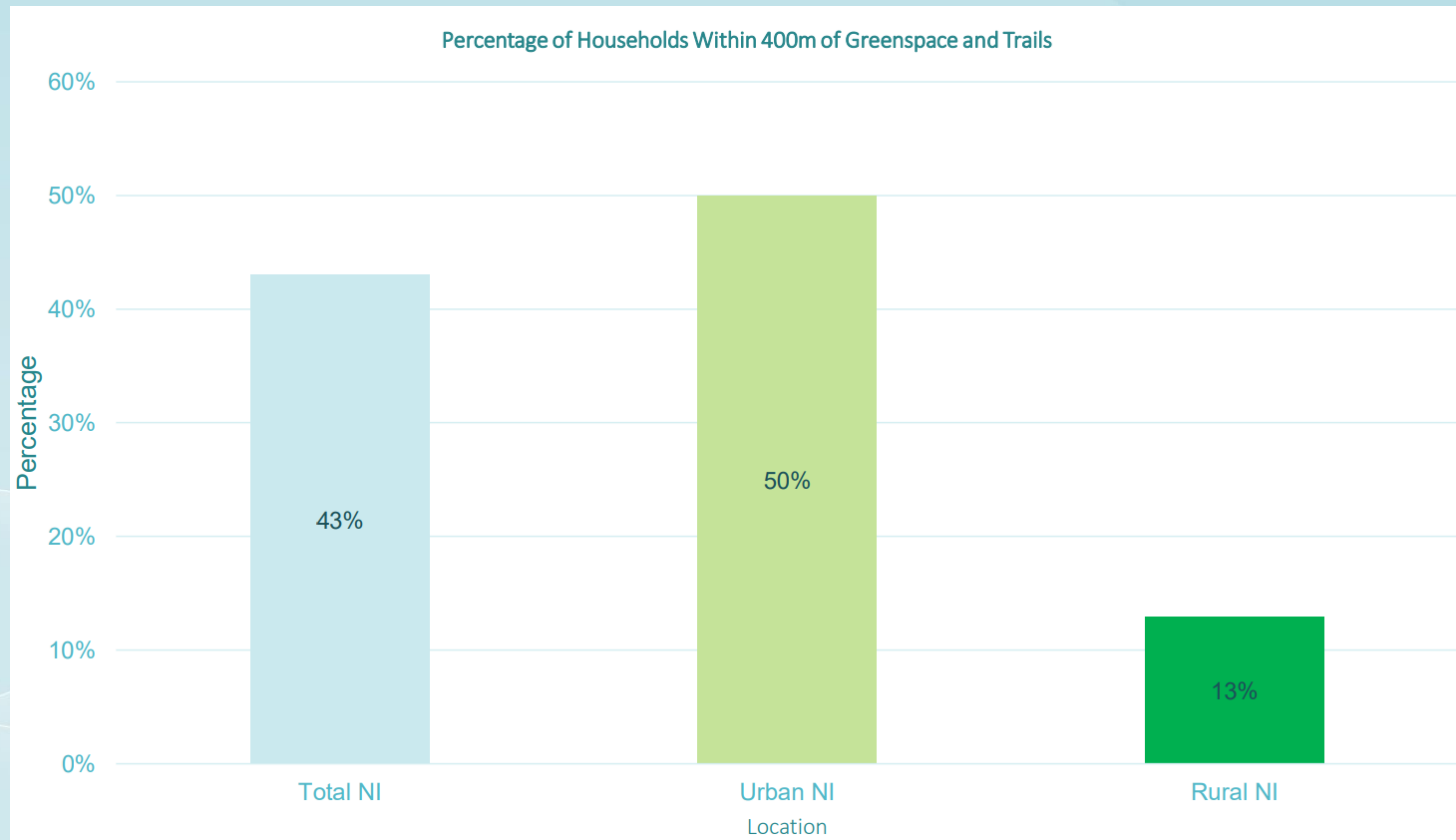
Houses within 400m service area	Total Houses	% within 400m
412, 066	967, 591	43%



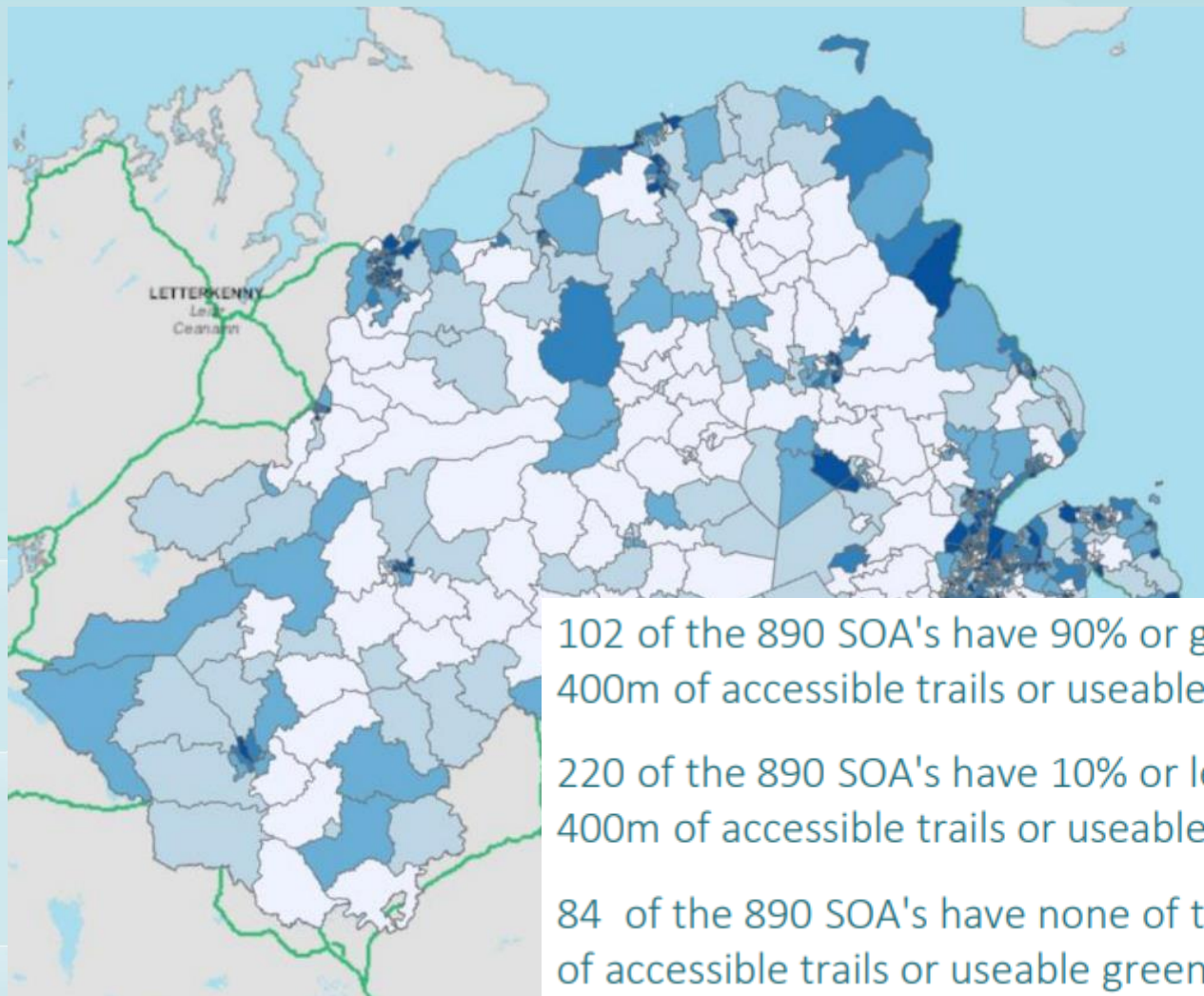
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MODEL – PROXIMITY ANALYSIS



MODEL – PROXIMITY ANALYSIS



NEXT STEPS – PHASE 3 (ENGAGEMENT)

Phase 3 - Engagement

Stakeholder engagement for final verification
with asset holders

Public Rights of Way (Councils) not yet
mapped

Other recreational and amenity spaces not
yet mapped (Councils)

Greenspace and trails not yet mapped
(eNGOs)

Further gap analysis using remote sensing
technologies



BENEFITS

- Supports government policies and decision-making including NI Programme for Government objectives.
- Promotes public health through inclusion in healthy living and active travel initiatives.
- Guides and targets resources aimed at growing and greening the economy.
- Informs the development of outdoor recreation activities and sustainable tourism opportunities.
- Contributes evidence and information for environmental conservation and protection programmes.



CREDITS



The Greenspace Layer was undertaken by ORNI and Geolytical, with support from DAERA, SORG, and the Greenspace Mapping Steering Group

THANK YOU



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