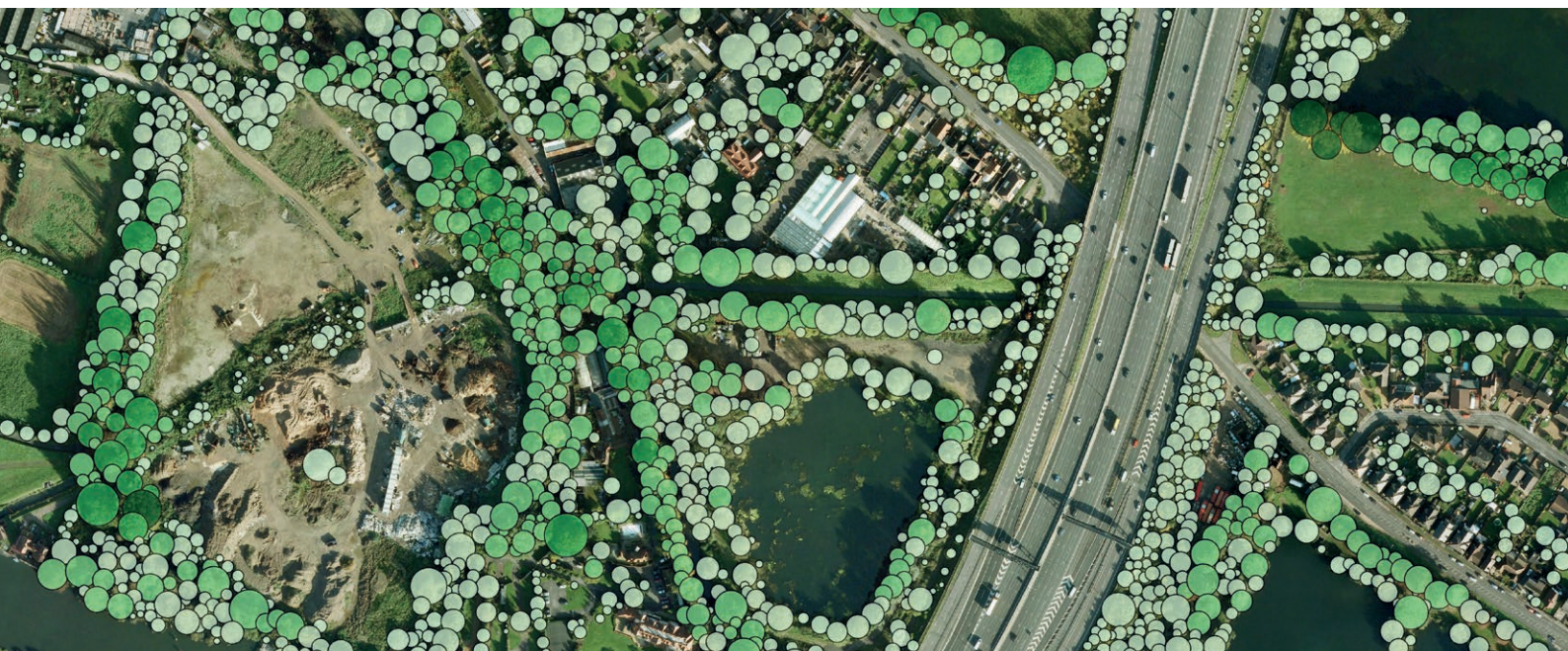# DATA SHEET

Product: **National Tree Map™**

Region: **Republic of Ireland**

Bluesky is a market leader in the capture, production, exploitation, and delivery of geospatial datasets and services that have rapidly become critical tools in tackling the challenges of the modern world. Operating globally, Bluesky has offices in the UK, US, Ireland and India.

As a recognised specialist in the acquisition and processing of aerial photography and LiDAR, Bluesky uses the latest technology and an experienced technical team to produce innovative off-the-shelf and tailored products to meet the needs of organisations in a range of market sectors.

Bluesky's terrain datasets and 3D models support the acceleration and adoption of 3D applications and technologies in an age of smart cities, digital twins and virtual/augmented reality.

Key Features

- A unique, comprehensive database of location, height and canopy/crown extents for trees 3m and taller

- Complete tree canopy cover across the Republic of Ireland (RoI)

- Created using Bluesky's aerial photography and height datasets

- 3 year rolling flying programme ensures NTM is up to date

- For use in GIS, tree management and CAD packages

Applications & Industries

- Tree management (including tree preservation orders)
- Insurance and risk assessment
- Flood and pollution monitoring
- Transport infrastructure, e.g. railway lines
- Utility and energy infrastructure
- Town and city planning
- Forestry

- Ecology
- Air quality monitoring
- Land and estate management

Specification	
Layers	1. Canopy Polygons (Vector Polygon) - Representing individual trees or closely-grouped tree crowns 2. Idealised Crowns (Vector Polygon) - Crown polygons visualised as circles for ease of use 3. Points (Vector Point) - Detailing the centre point and height of each canopy feature
Coverage	Republic of Ireland
Accuracy Z	± 1.5m rmse
Classification Criteria	Trees over 3m in height
Formats	Include: ESRI Shape, MapInfo Tab, Geodatabase, Geopackage, DWG, KMZ
Standard Projection	Irish Transverse Mercator (ITM95)

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