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Birmingham Creates Interactive Mapping Portal using Bluesky Tree Data

INTRODUCTION

Trees are a vital part of our world and help provide a more healthy and sustainable environment. Increasing the number of trees and tree canopies has the potential to make areas healthier and better to live in and help fight climate change. Birmingham City Council was the first Local Authority in the UK to publish an Urban Forest Master Plan (UFMP) in 2021. The UFMP aims to outline the targets for how Birmingham will increase their tree cover and equality of access to trees throughout their district but to do this they need accurate data on the trees and tree cover.

SOLUTION

Birmingham has used Bluesky International's UK National Tree Map (NTM) data to create a first of its kind mapping portal. The National Tree Map is a comprehensive database that captures the height, location and canopy/crown extent for all trees 3m or taller in Great Britain and the Republic of Ireland.

The National Tree Map is produced using innovative algorithms and image processing techniques from the most up-to-date aerial photography and terrain data.

This solution built by Birmingham will allow the monitoring of their UFMP to ensure it stays on target, helping to provide a more healthy and sustainable environment for all of Birmingham's residents.

Aerial Capture

Environmental Improvement

Machine Learning

KEY OUTCOMES

1 Bluesky's NTM provides a comprehensive view of all 3m and taller trees in Birmingham helping provide a benchmark and continued monitoring for the UFMP.

2 The NTM will help model different canopy cover growth plans and planting programmes ensuring the most effective and positive impact to tree cover.

If you would like to submit your own case study please click here or scan the QR code

Click here for more about Bluesky's NTM   www.agi.org.uk