

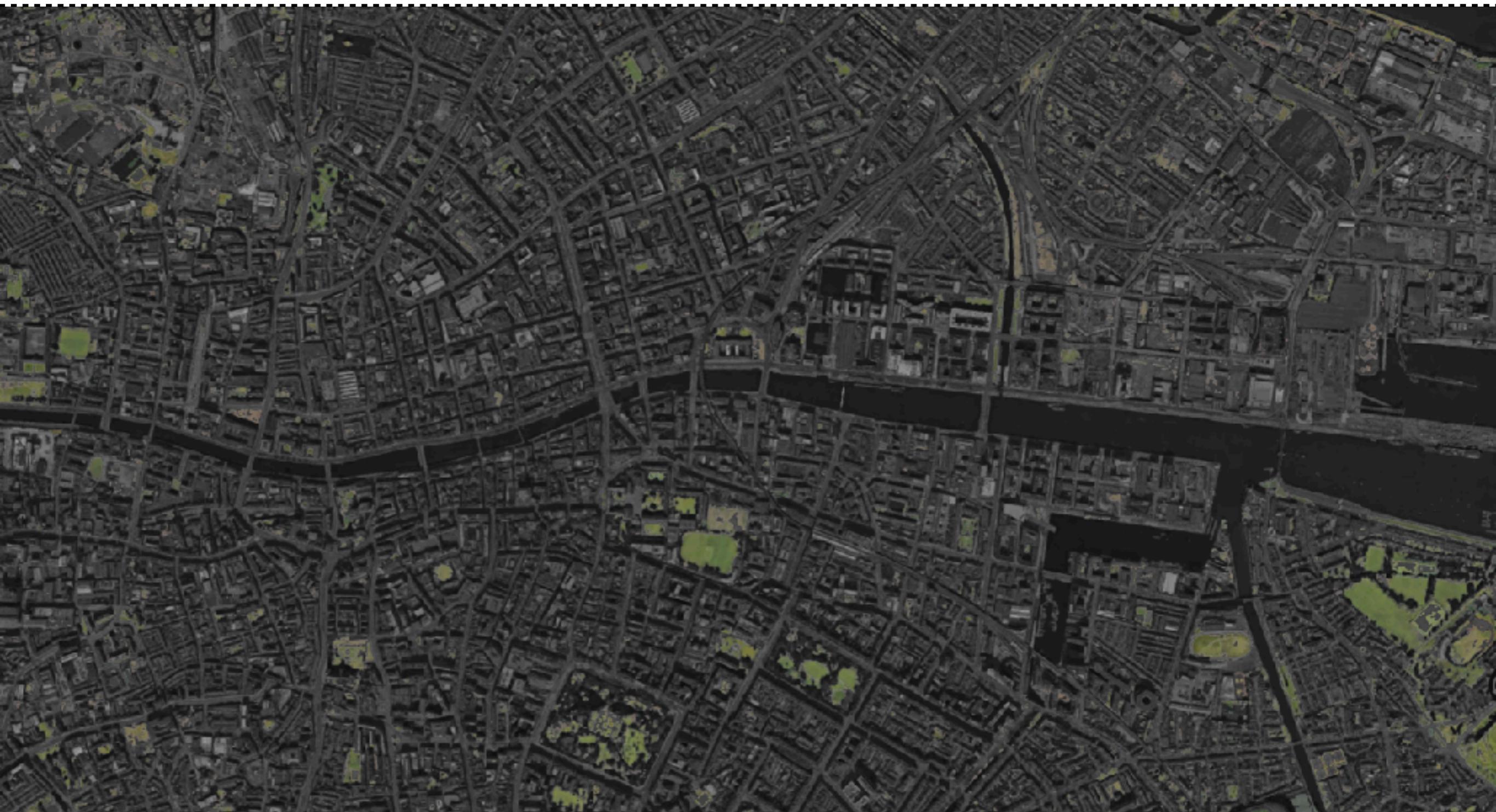
**Lovely day for a
LIDAR**



Dublin LIDAR Spatial Analysis To identify green spaces

Julian Ferrearo, Dana Chermesh, Alex Shannon
Guarav Bhardwaj and Sarah Schoengold

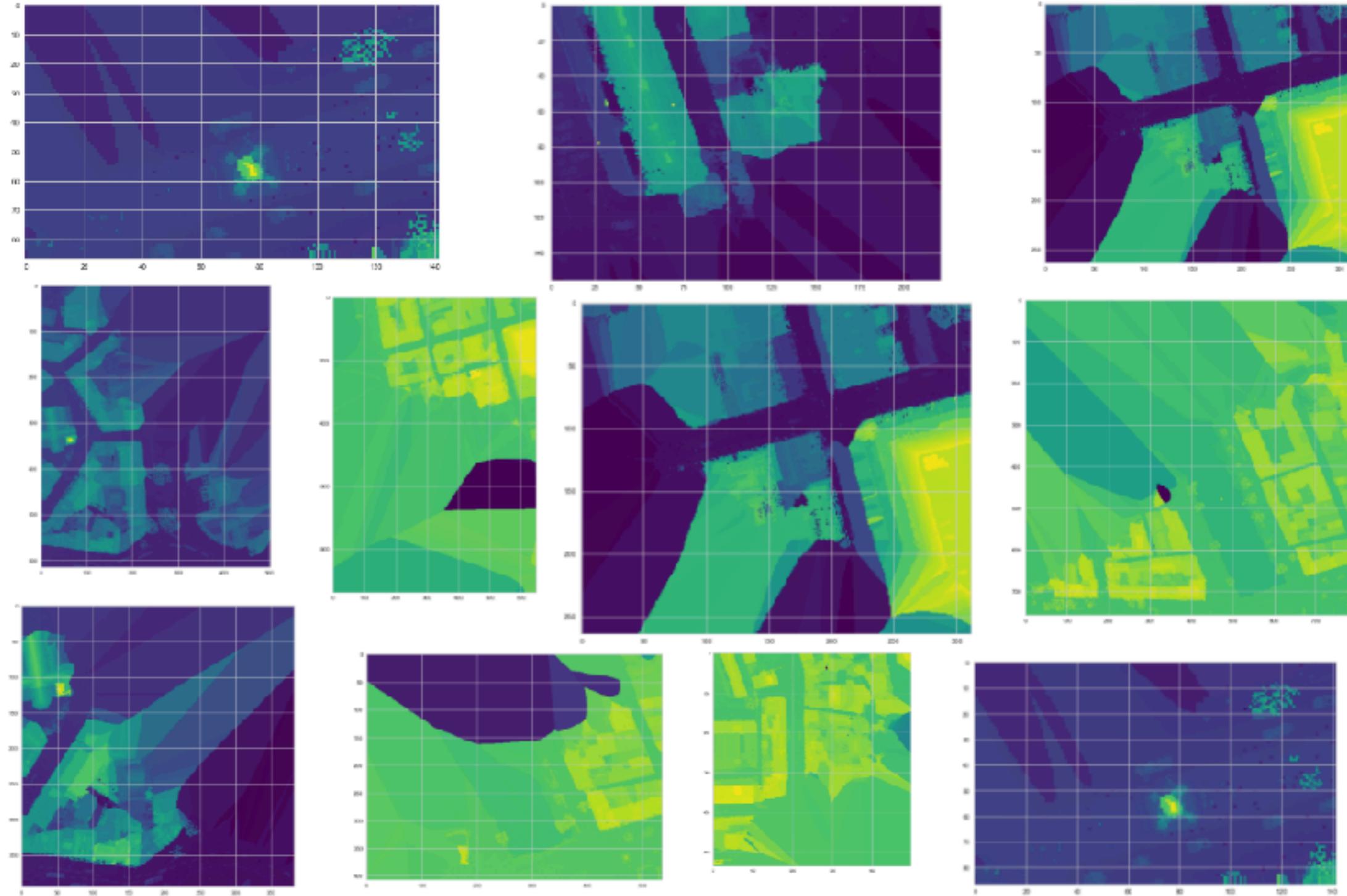
Dublin green spaces



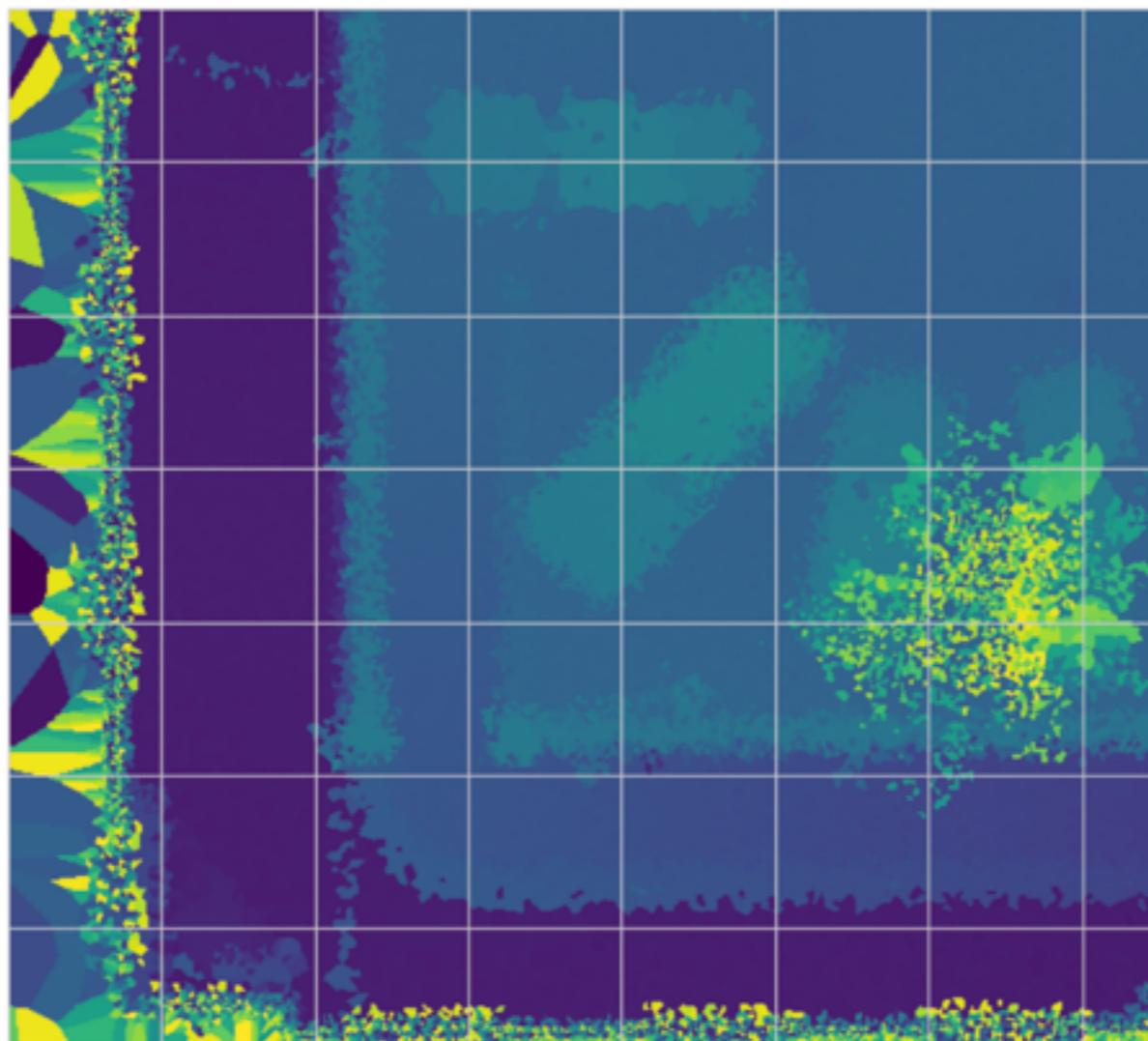
Dublin LIDAR Data



Dublin LIDAR Data - limitations

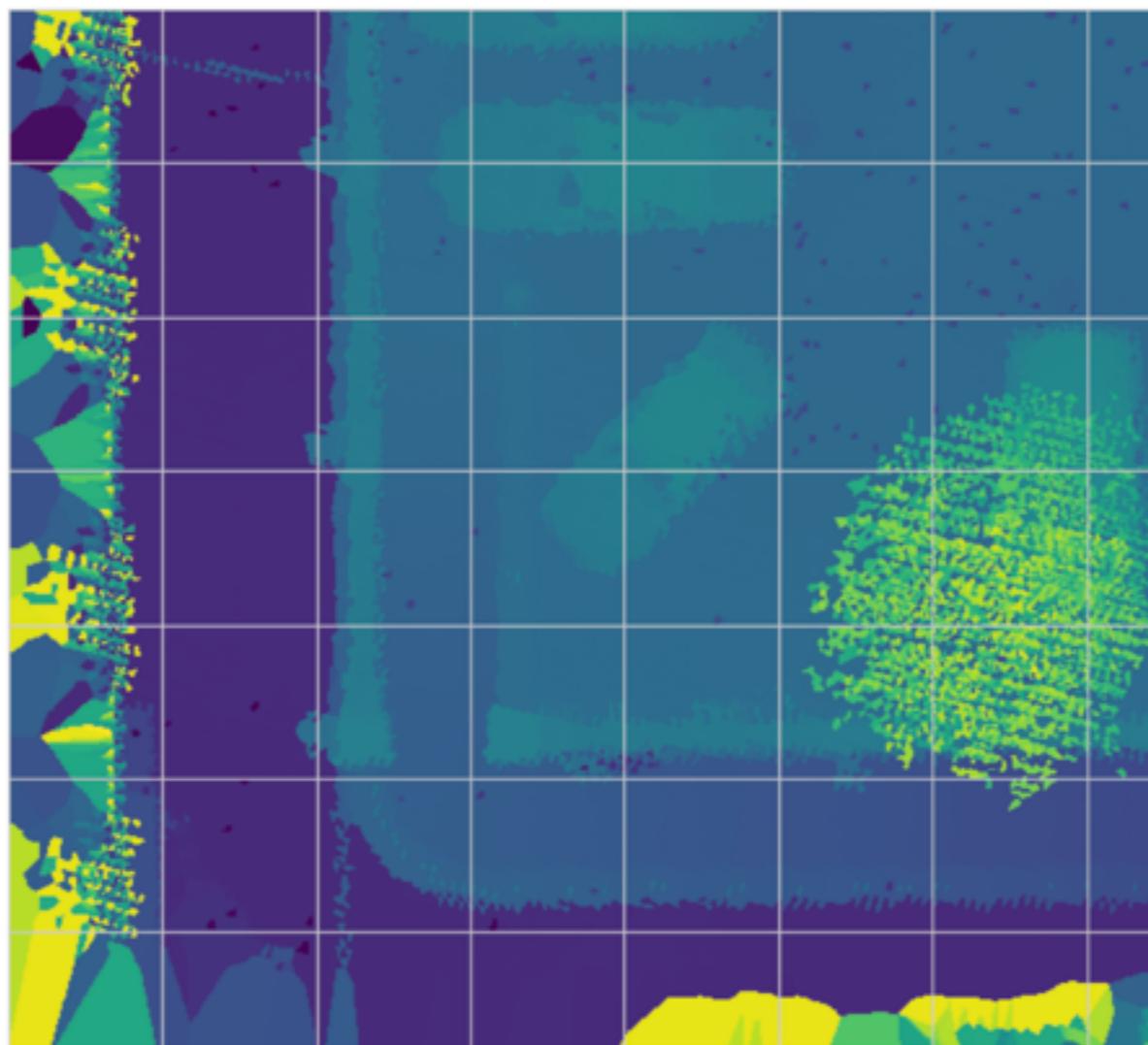


2007 LIDAR interpolation



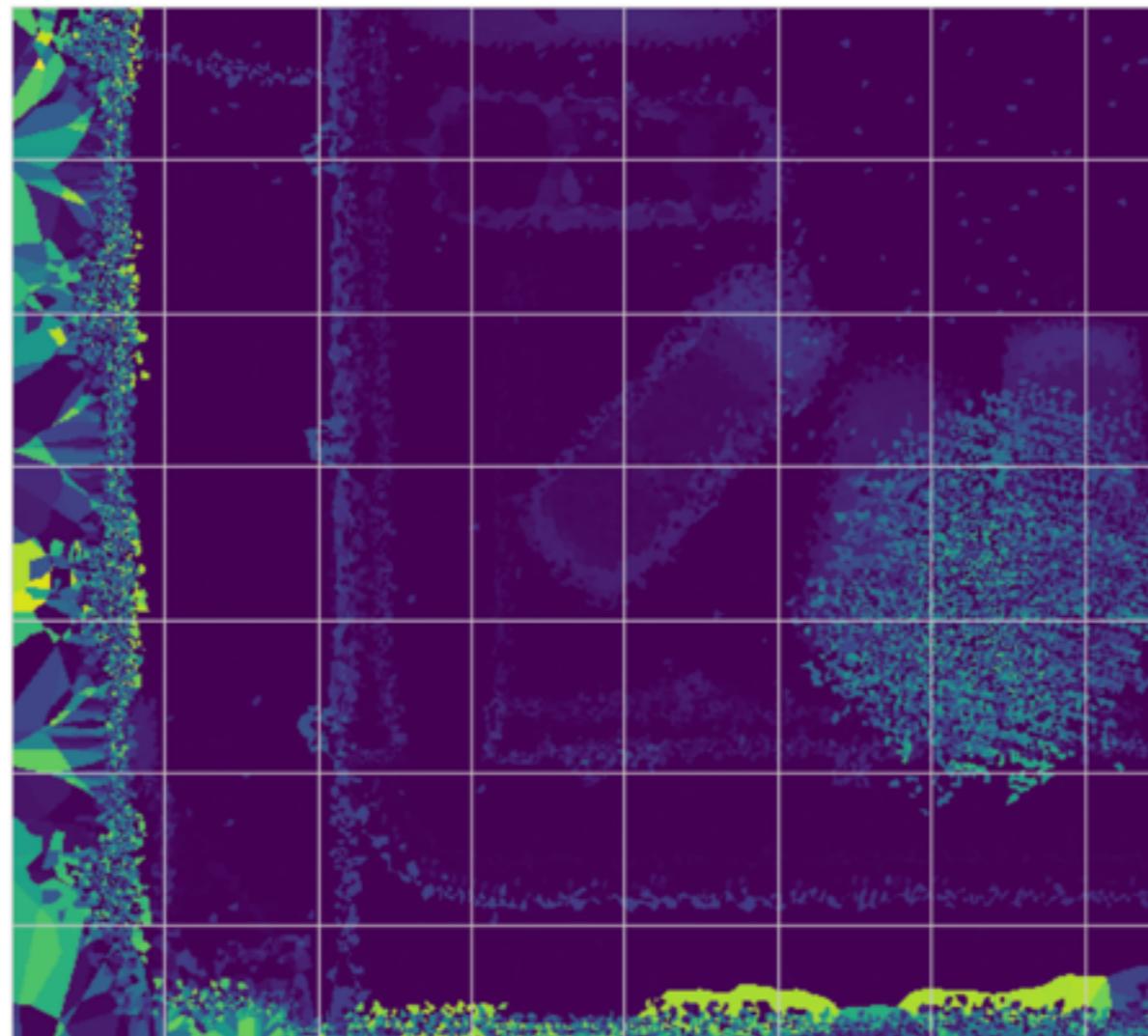
1. Interpolation

2015 LIDAR interpolation



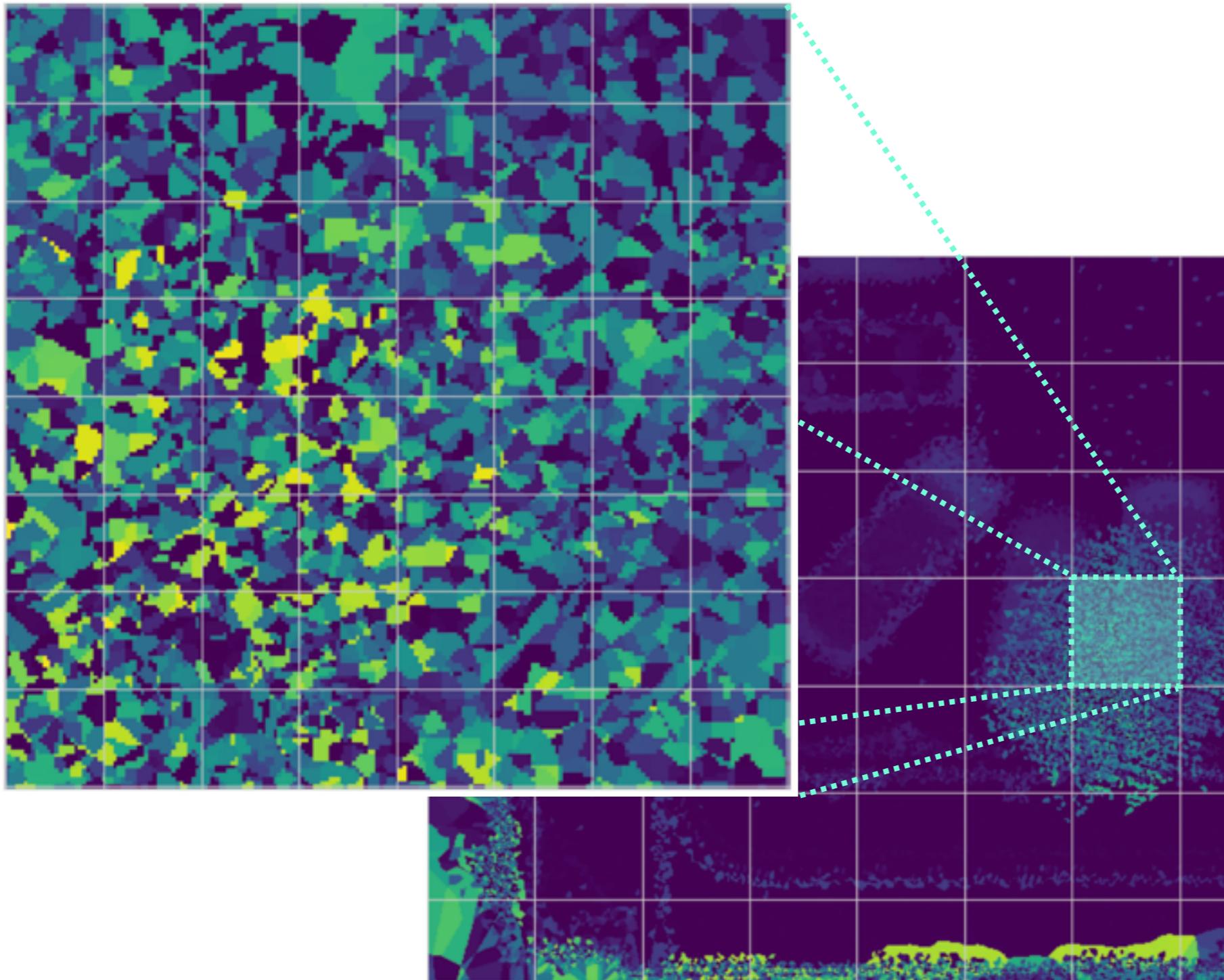
1. Interpolation

2007-2015 LIDAR change



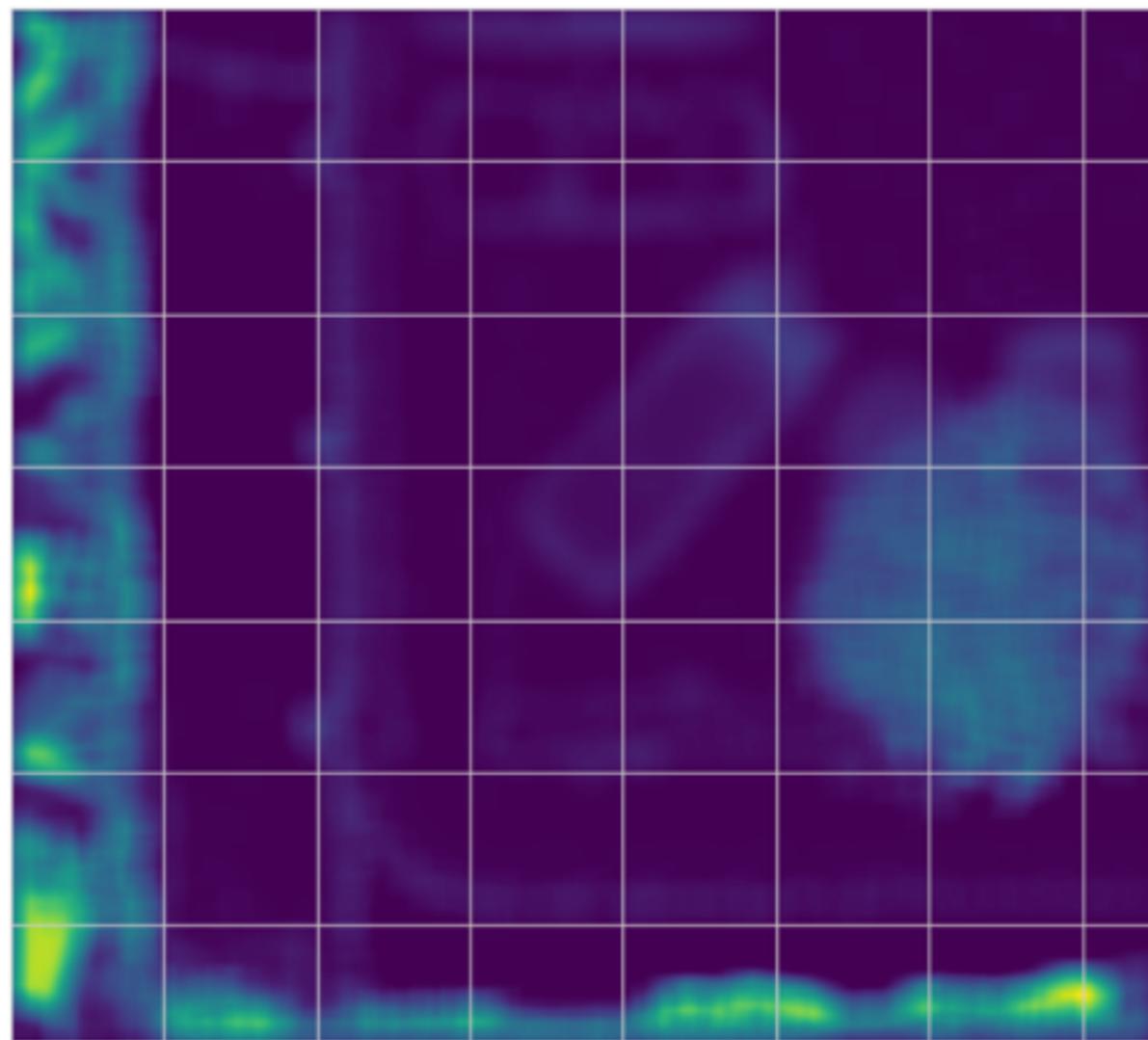
2. Find the change

2007-2015 LIDAR change, tree sample



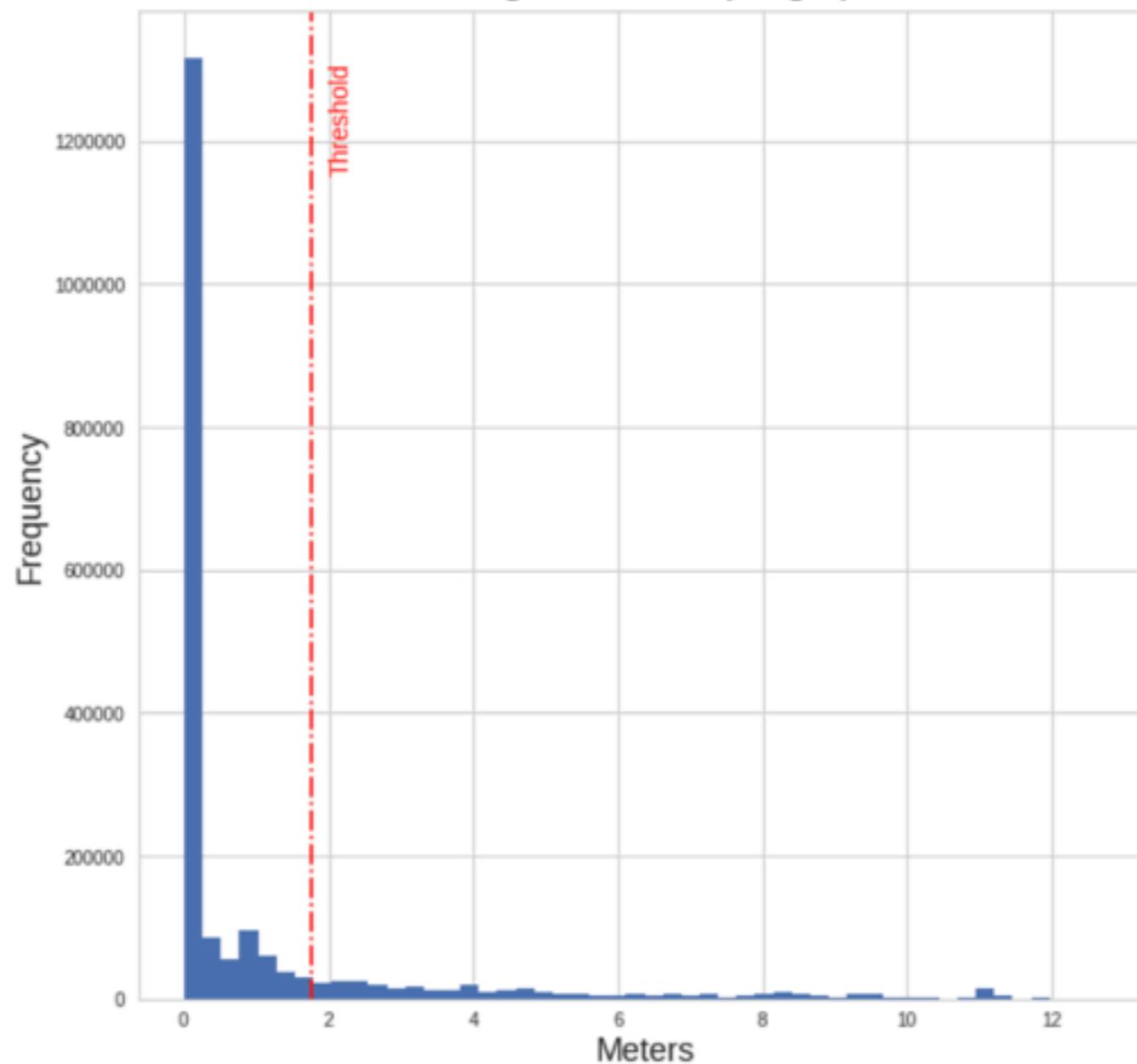
3. Exploratory Analysis

2007-2015 LIDAR change, smoothed



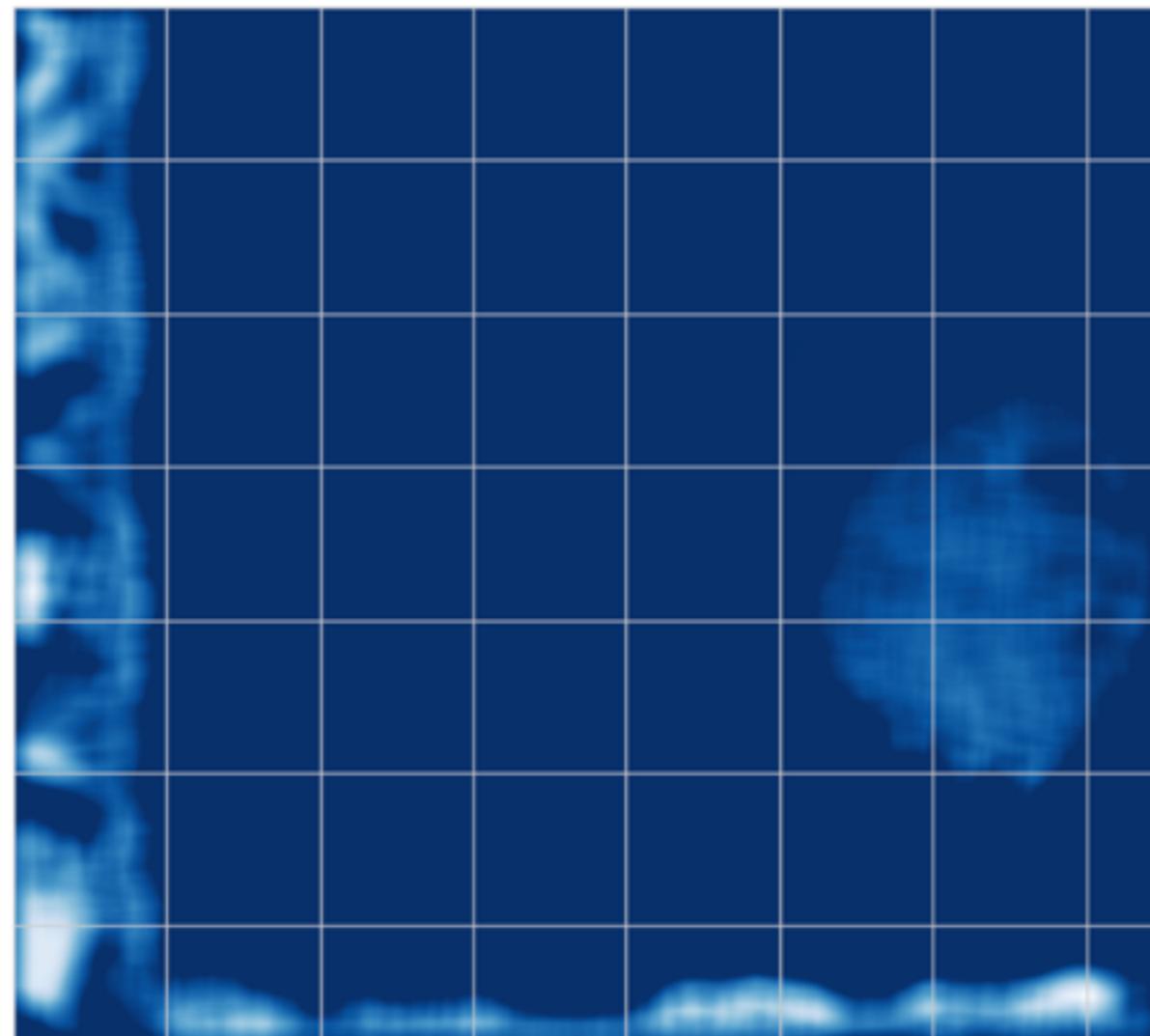
4. Smoothing

Distribution of change of Z axis (height), 2007 VS 2015



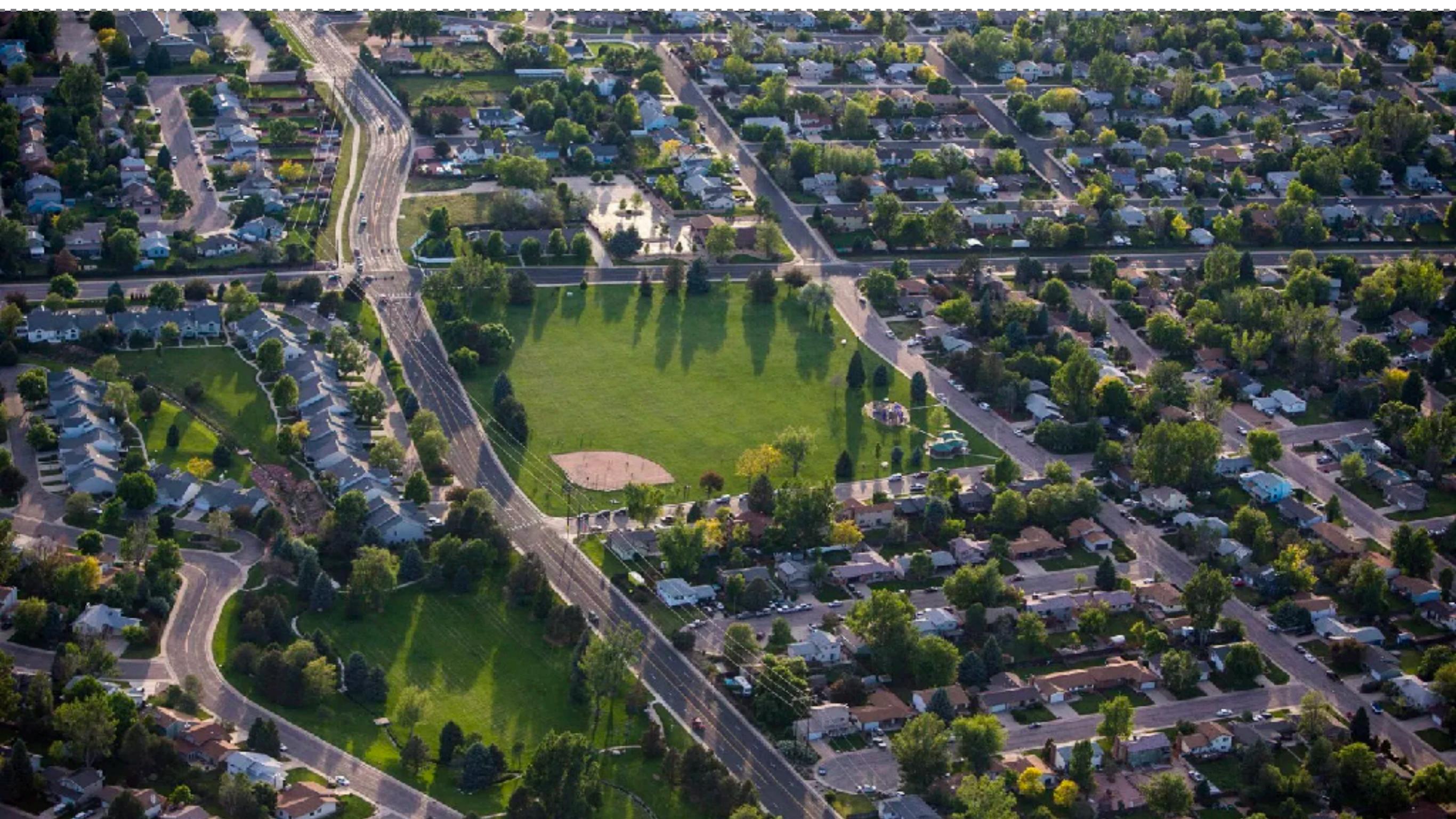
5. Define threshold

Vegetation detected through LIDAR, Dublin 2007-2015



6. Visualizing Vegetation change only

Future steps



Have a
GUINNESS
when you're
TIRED

