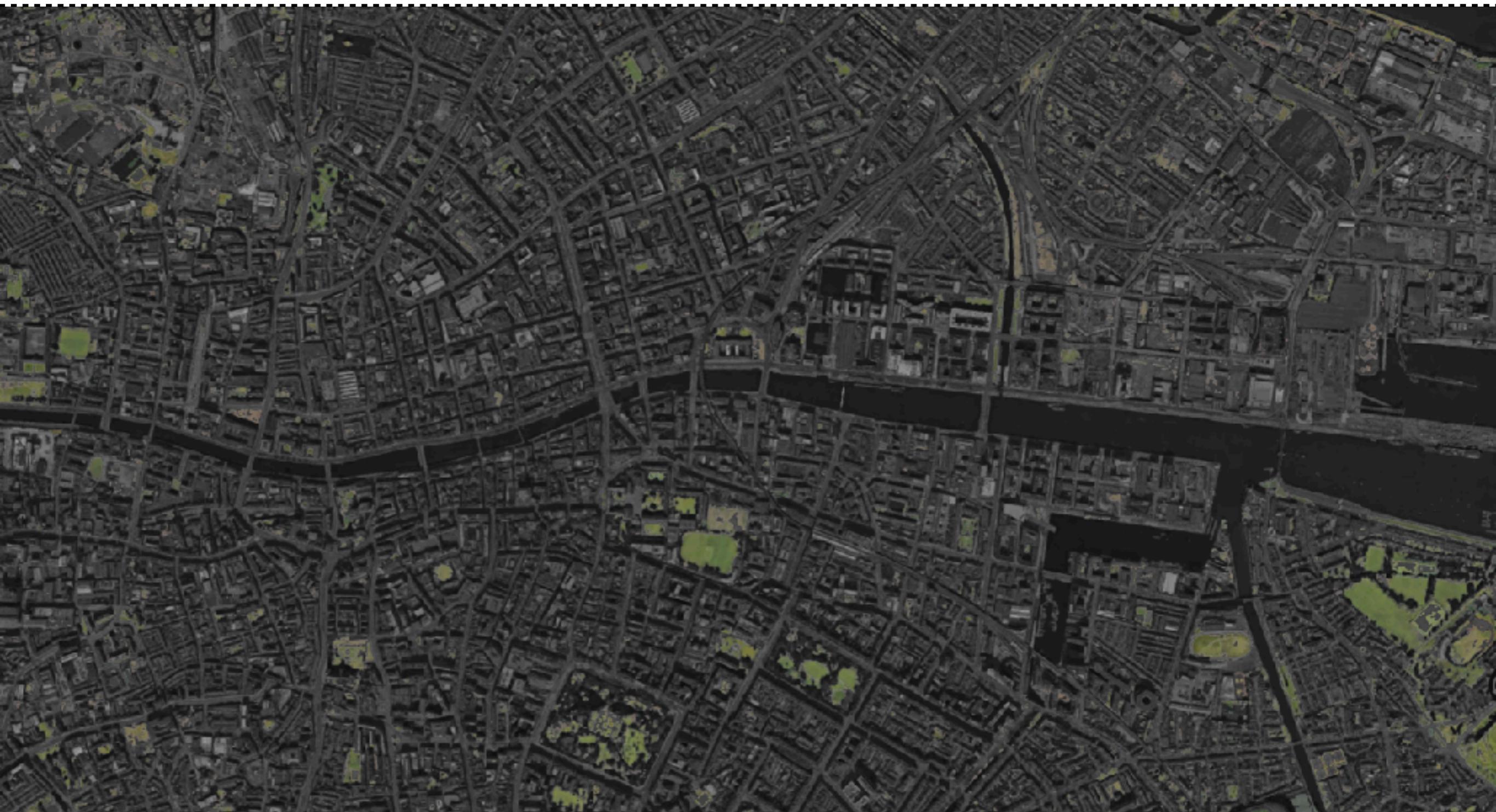


**Lovely day for a  
LIDAR**



Dublin **LIDAR**  
**Spatial Analysis**  
To identify **green spaces**

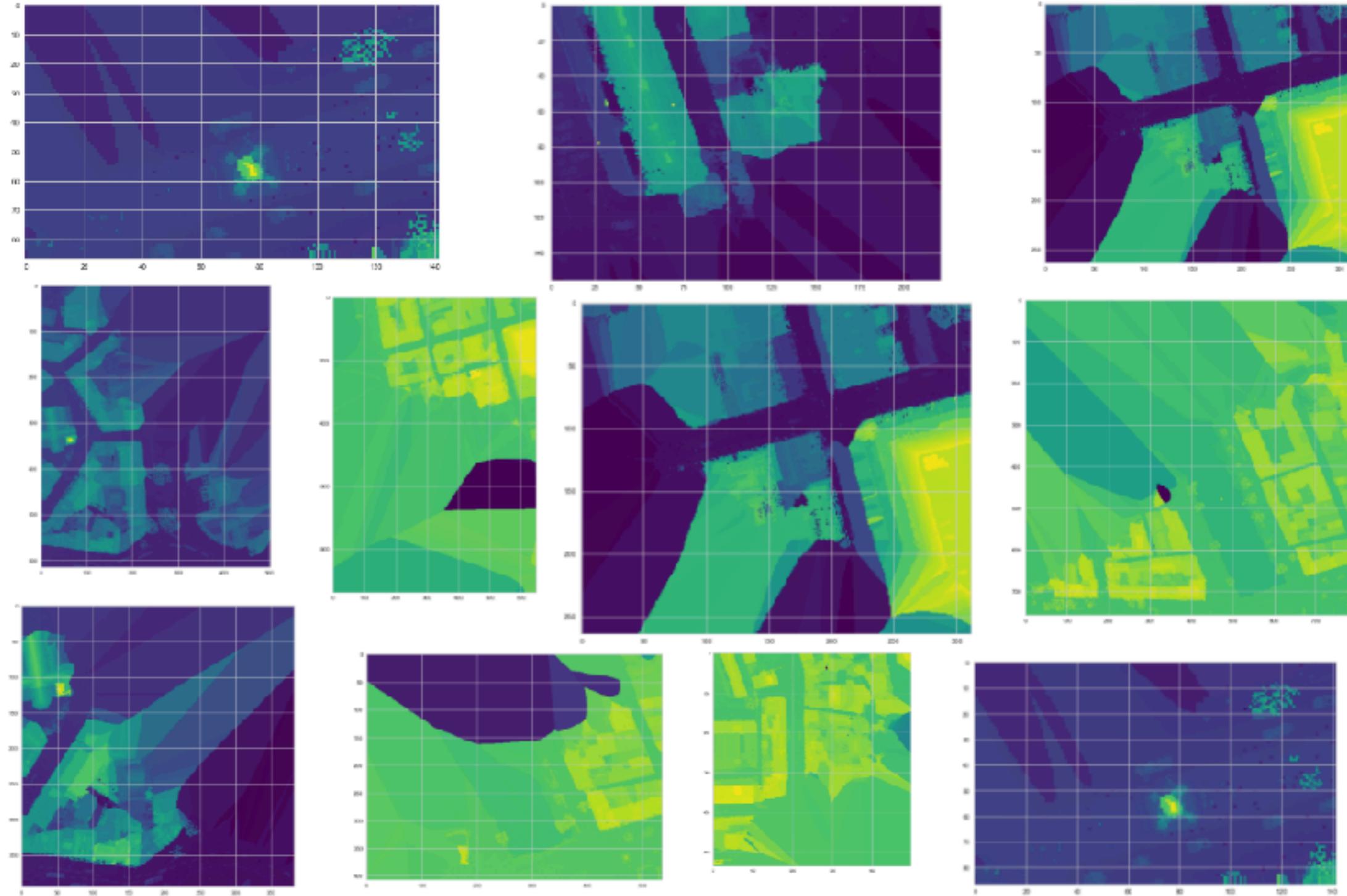
# Dublin green spaces



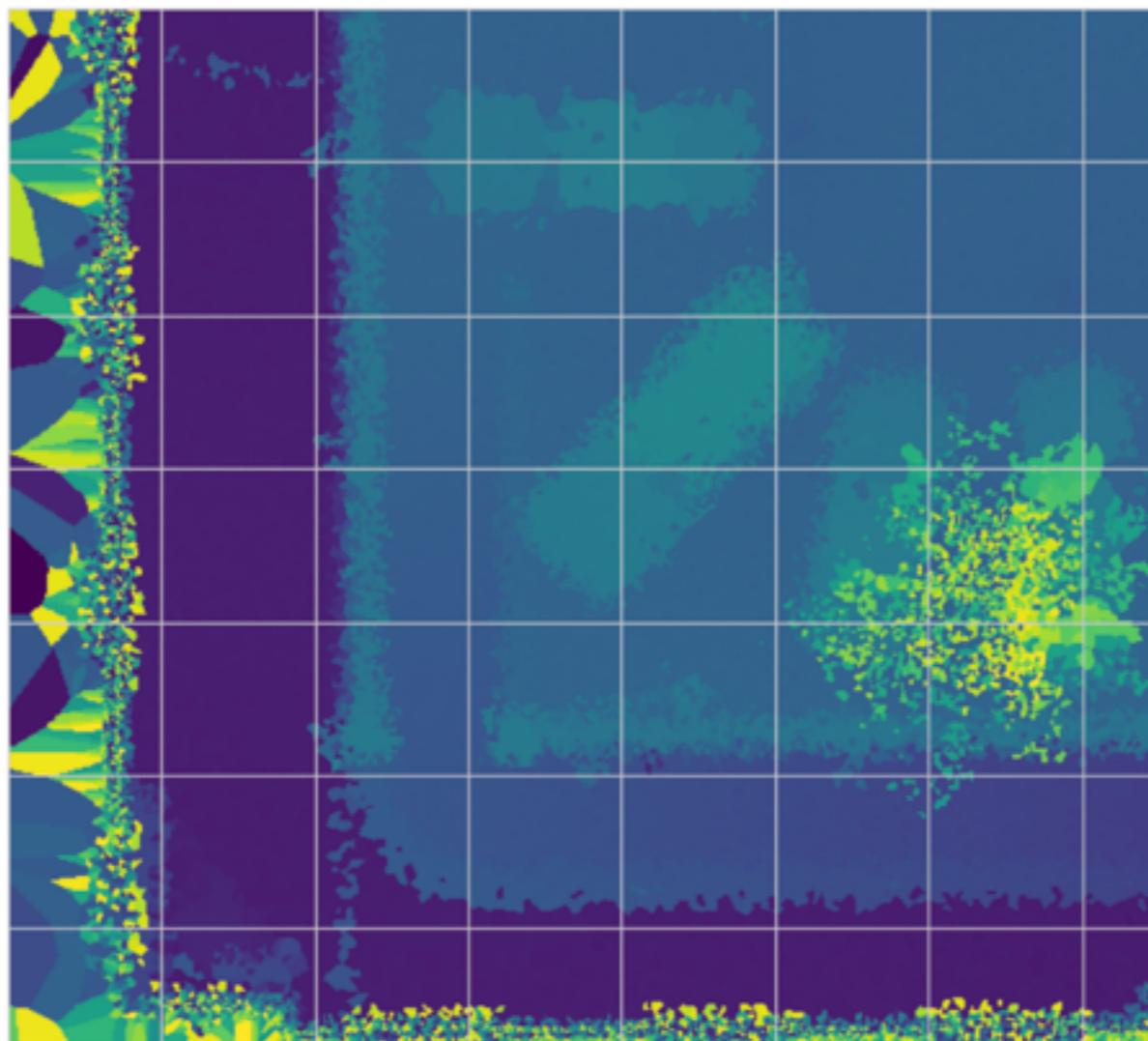
# Dublin LIDAR Data



# Dublin LIDAR Data - limitations

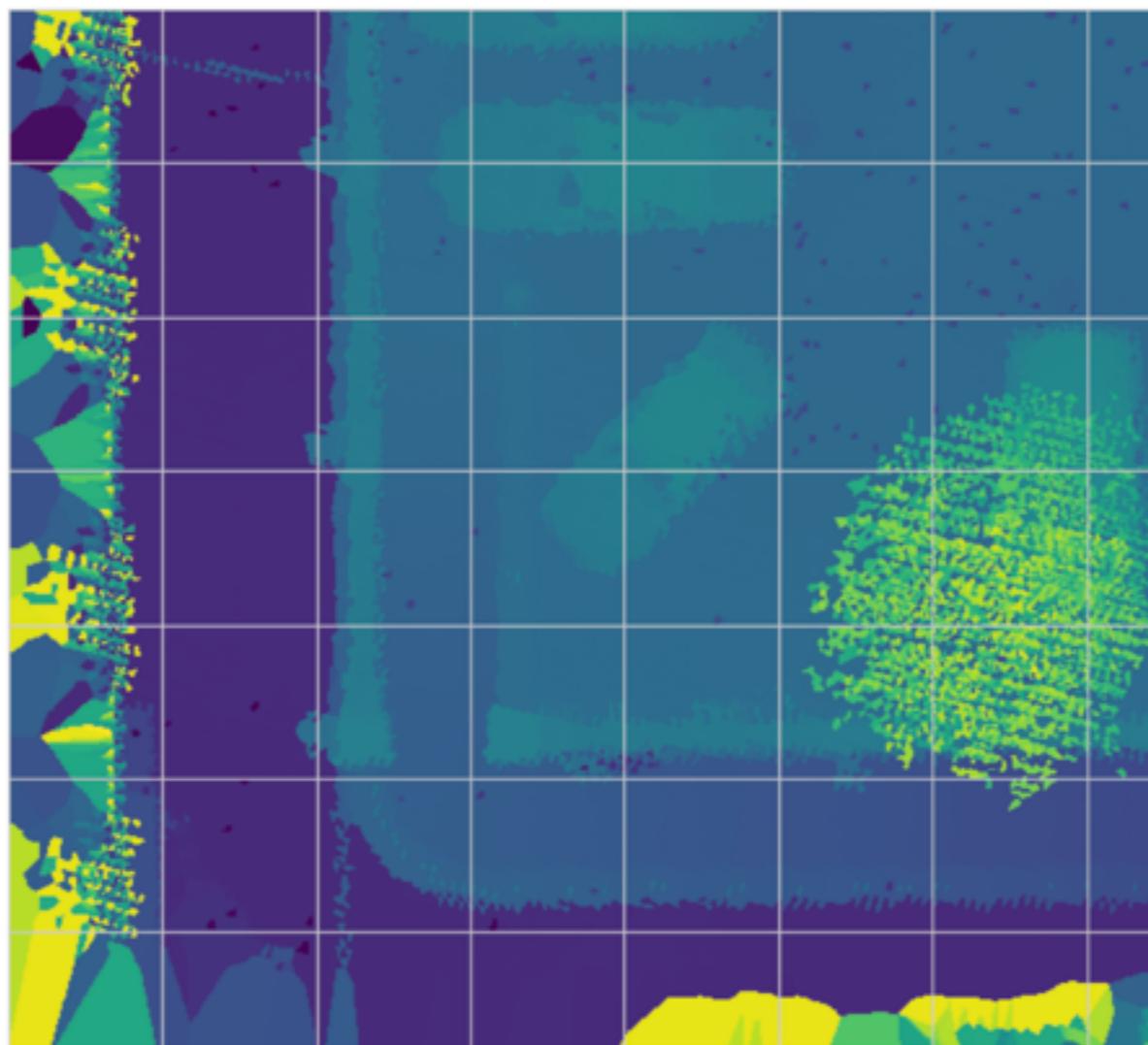


2007 LIDAR interpolation



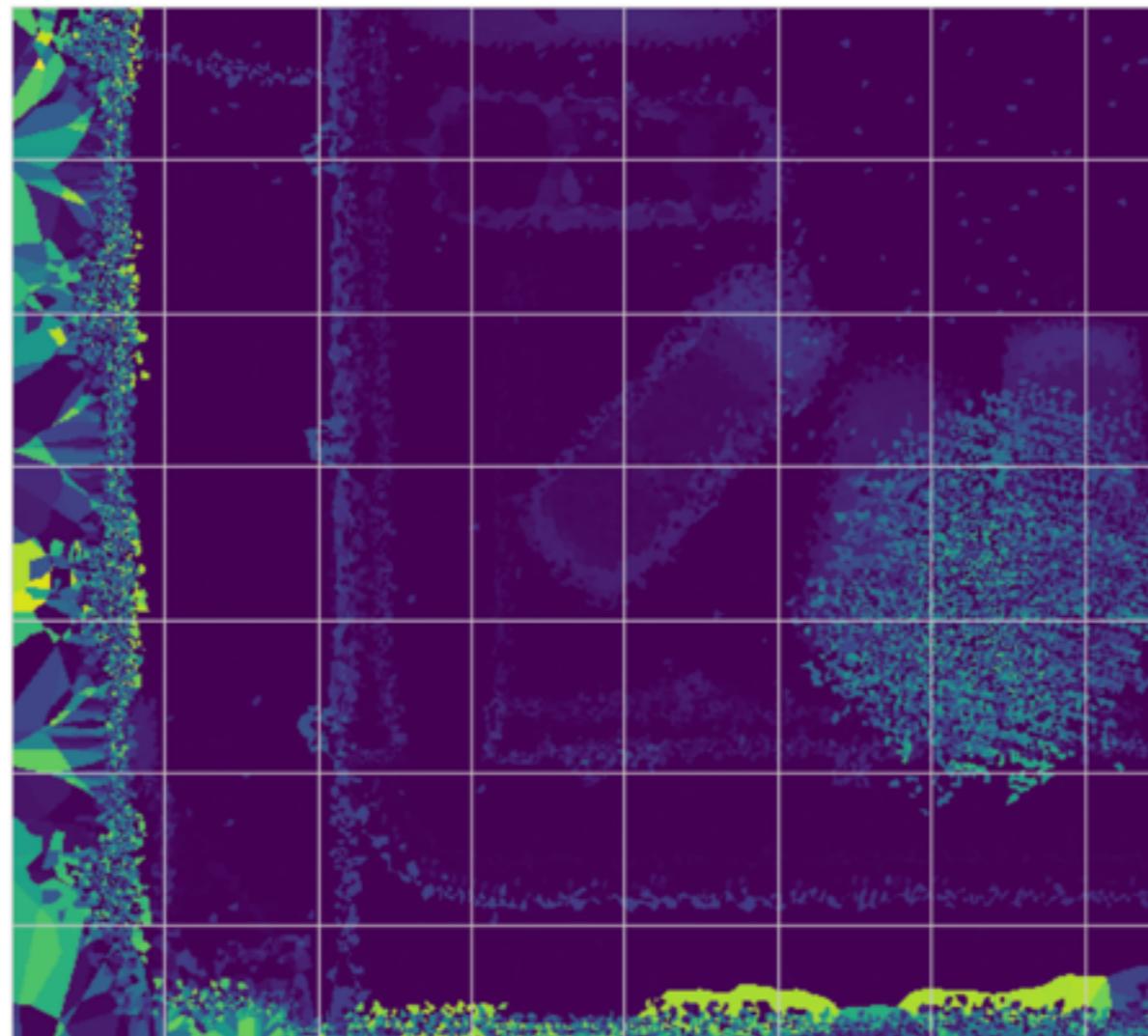
# 1. Interpolation

2015 LIDAR interpolation



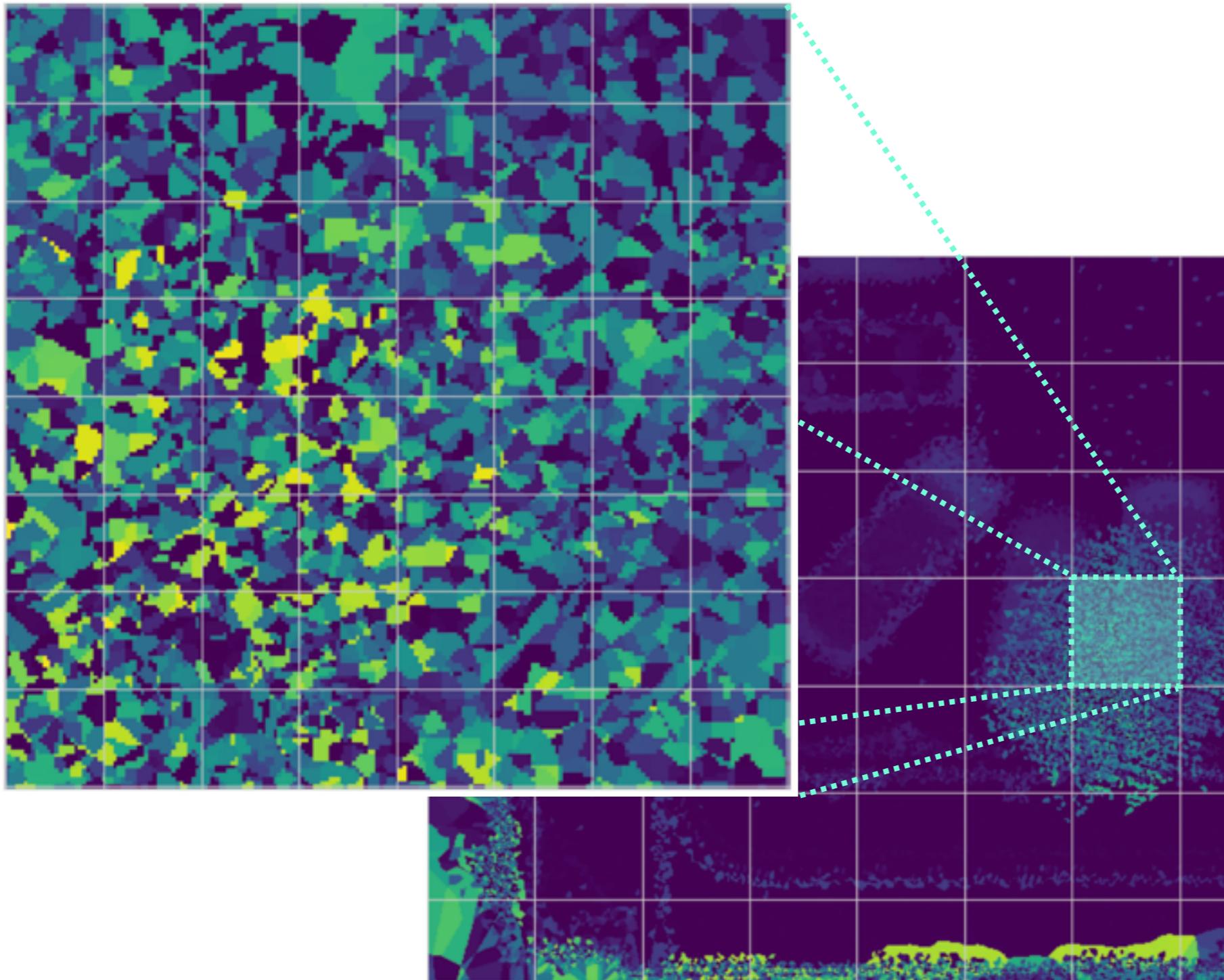
# 1. Interpolation

2007-2015 LIDAR change



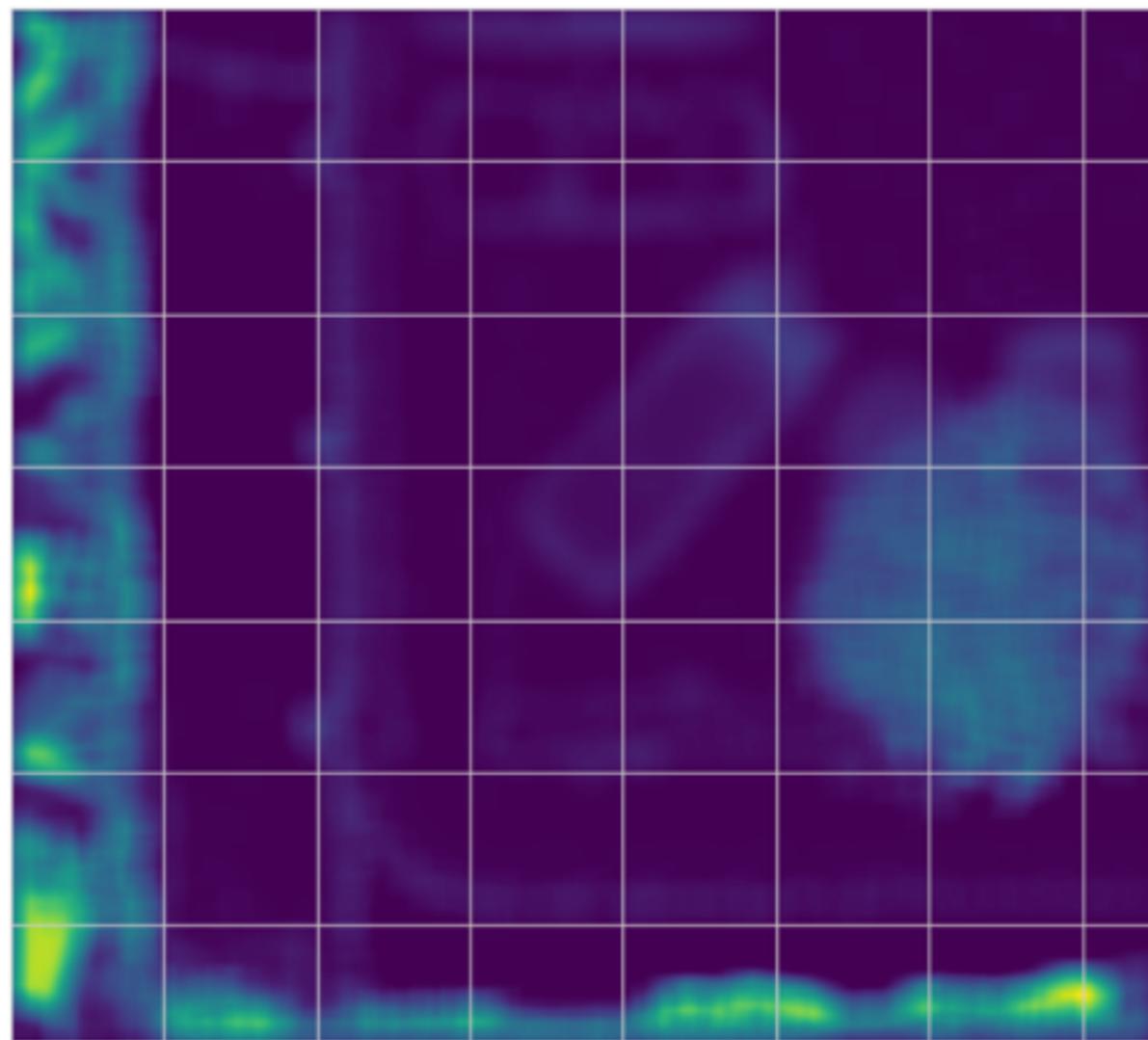
**2. Find the change**

2007-2015 LIDAR change, tree sample



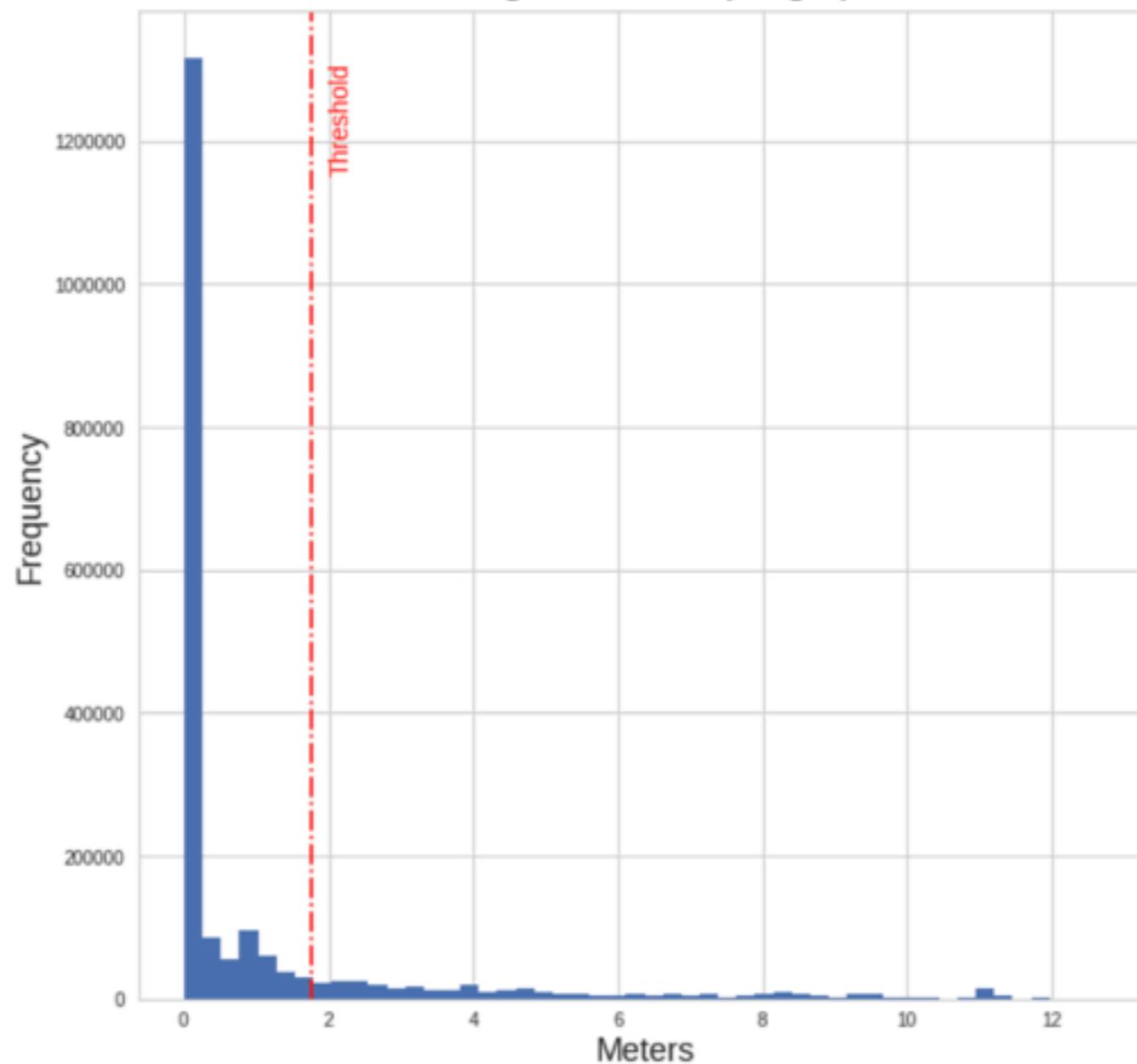
### 3. Exploratory Analysis

2007-2015 LIDAR change, smoothed



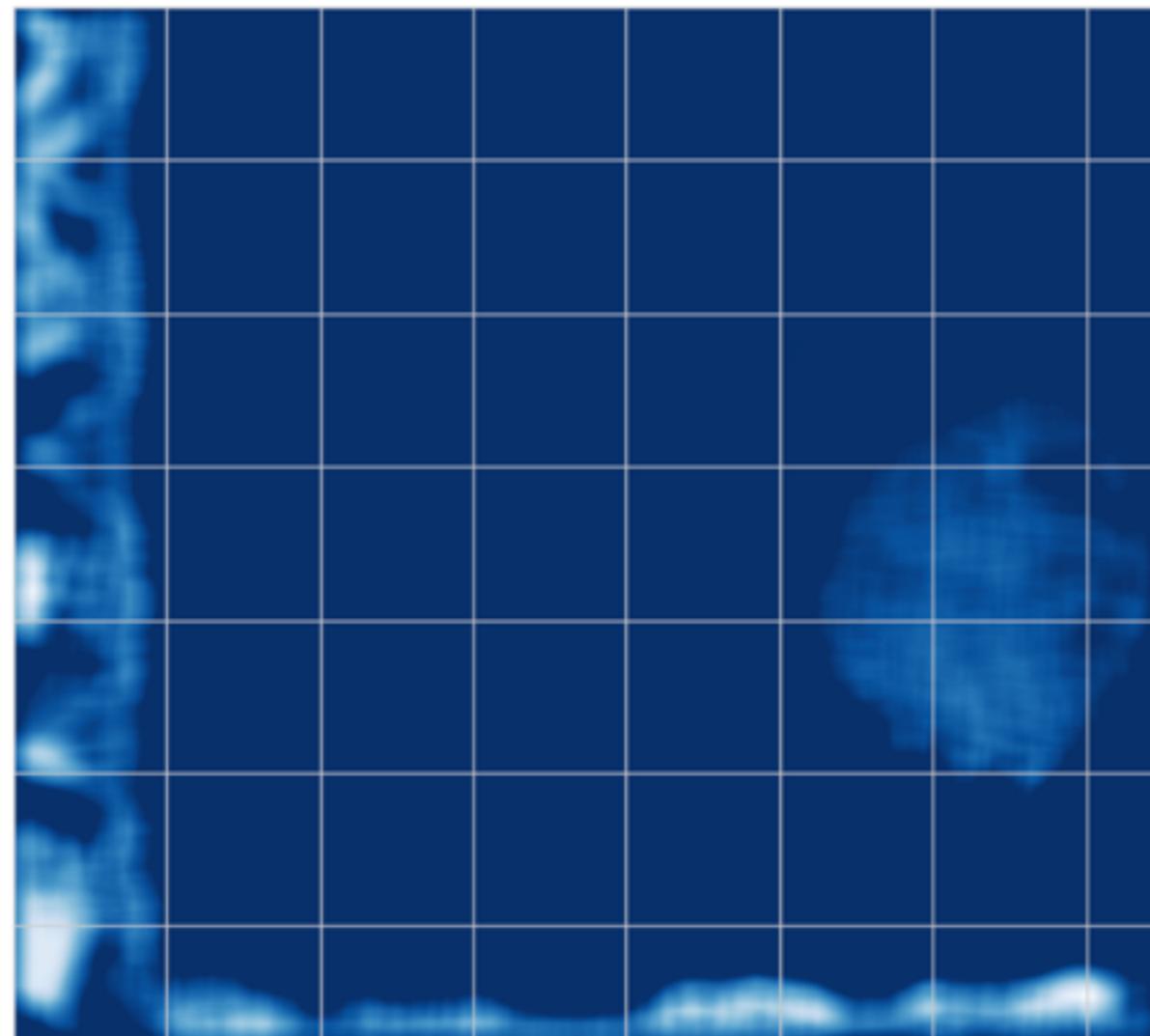
## 4. Smoothing

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



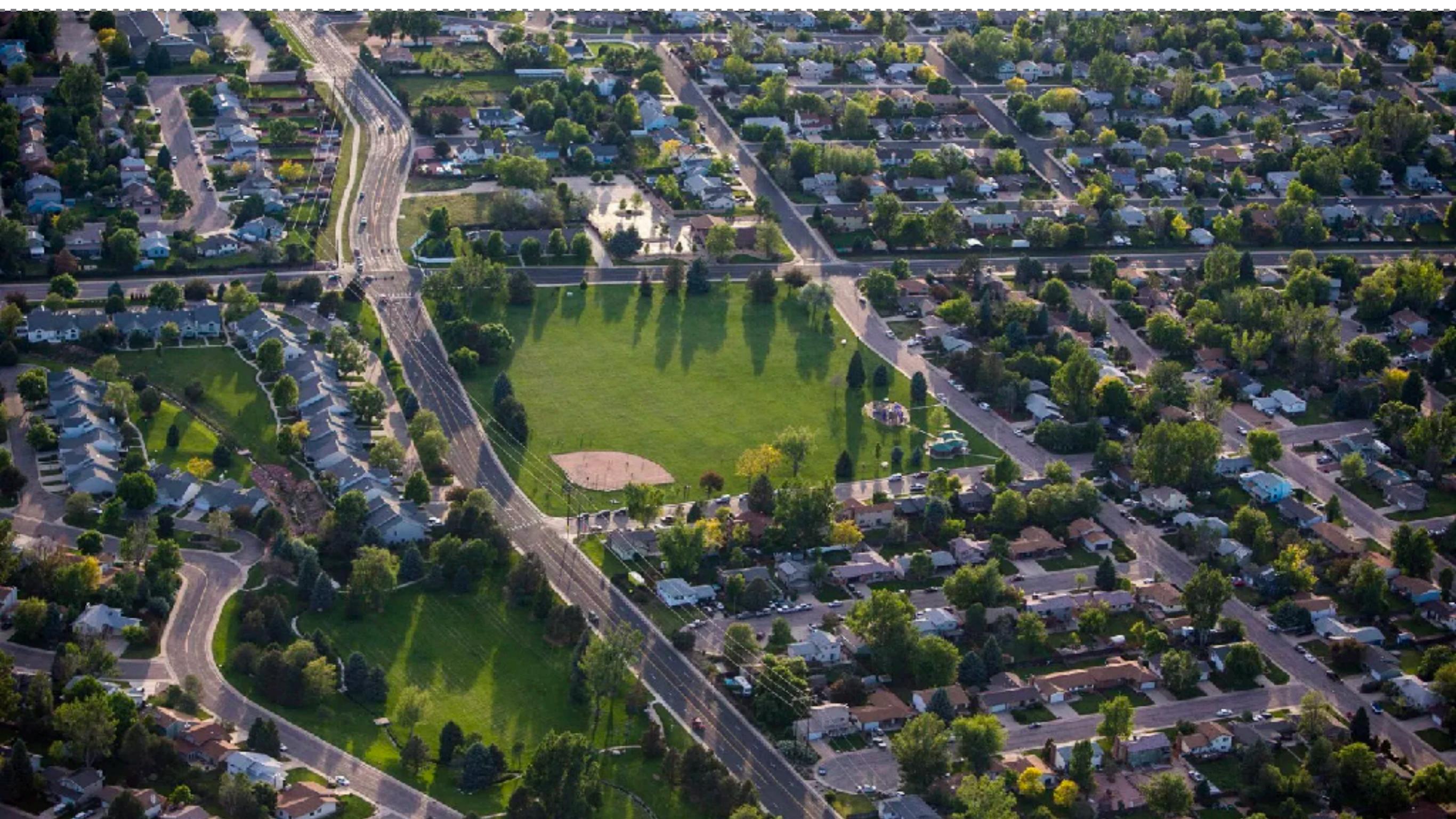
## 5. Define threshold

Vegetation detected through LIDAR, Dublin 2007-2015



## 6. Visualizing Vegetation change only

# Future steps



Have a  
**GUINNESS**  
when you're  
**TIRED**

