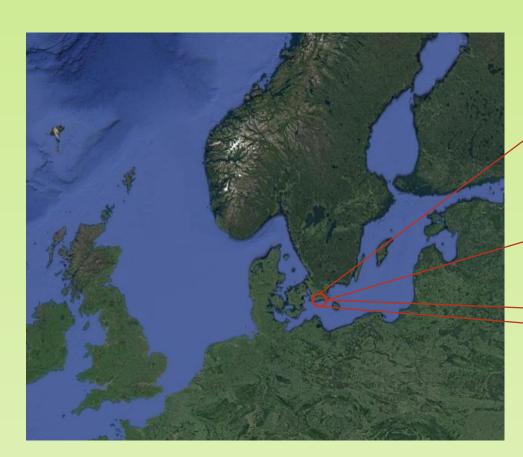
Anders Andersson, Hörtegården, Skivarp











What data is gathered at the farm?

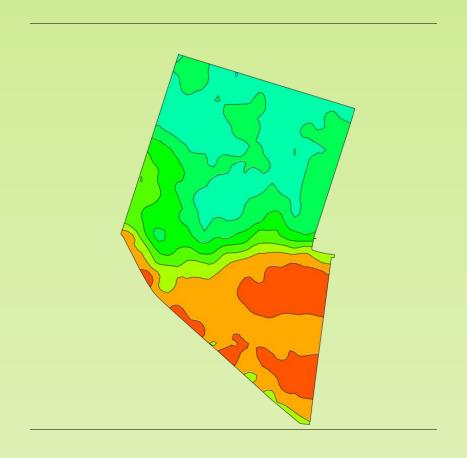
- Soil data
- Planting data
- Irrigation data
- (Fertilizer data)
- (Drone data)
- Harvest data







Scanning the fields with EM 38









Irrigating the fields with logging device



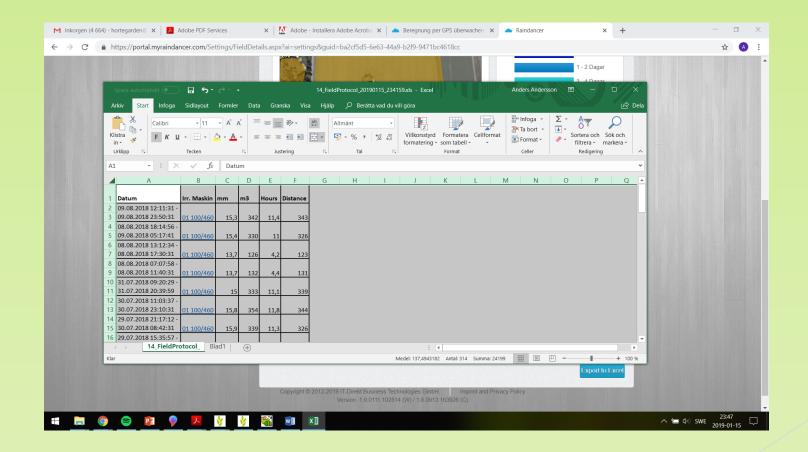


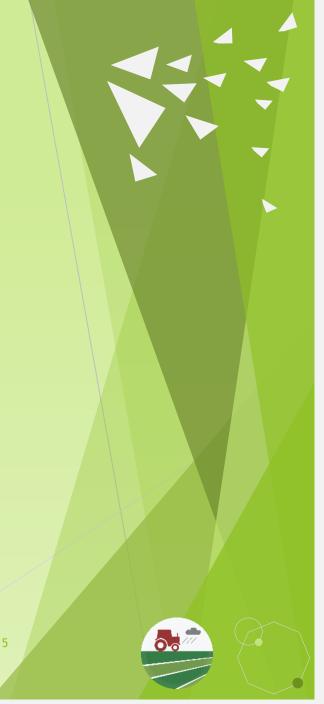






Log files in Excel





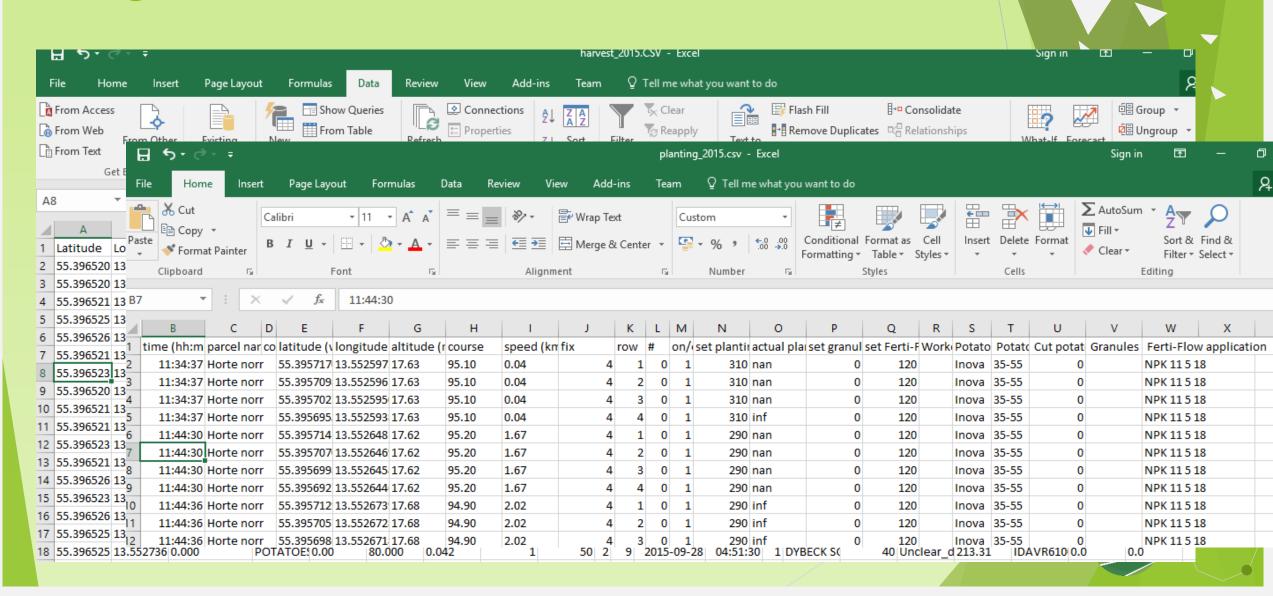
Harvesting potatoes

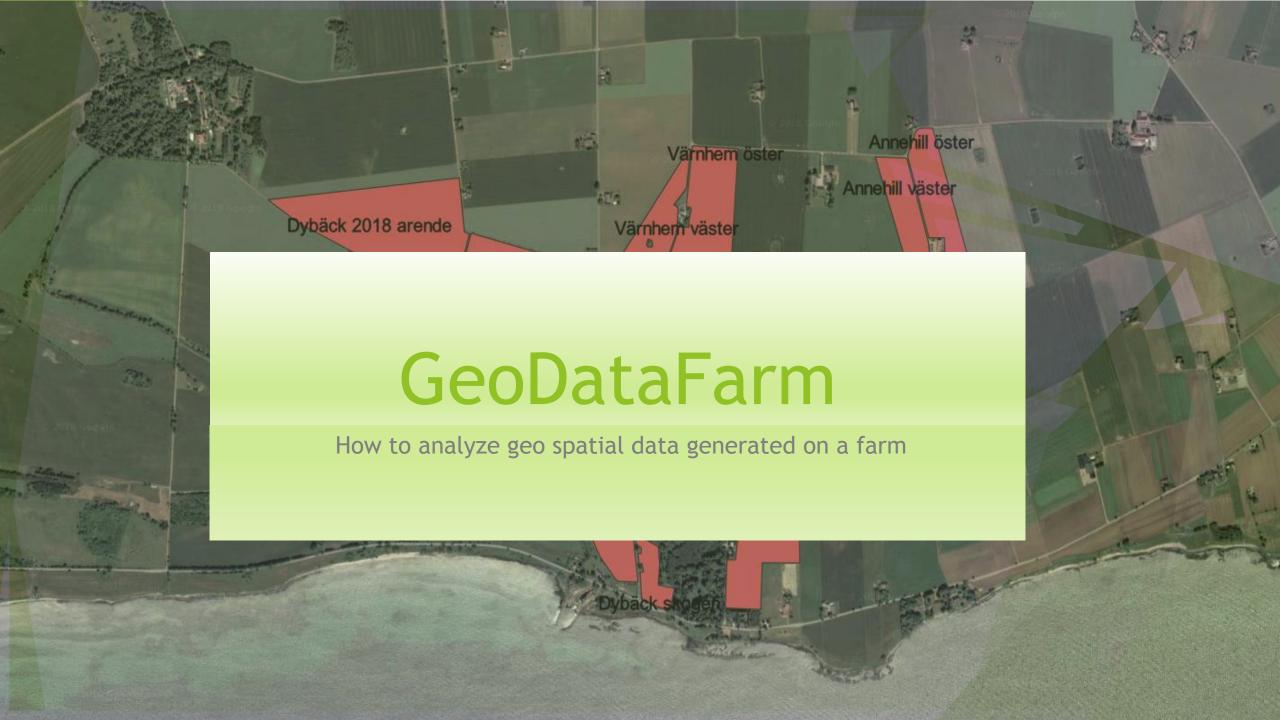






Log files





Geo spatial data - What is it???

- Information that are connected to a geographical point
- Could be generated by the tractor/machine connected to GPS
- Could be soil measurement collected
- Could be images generated by drones



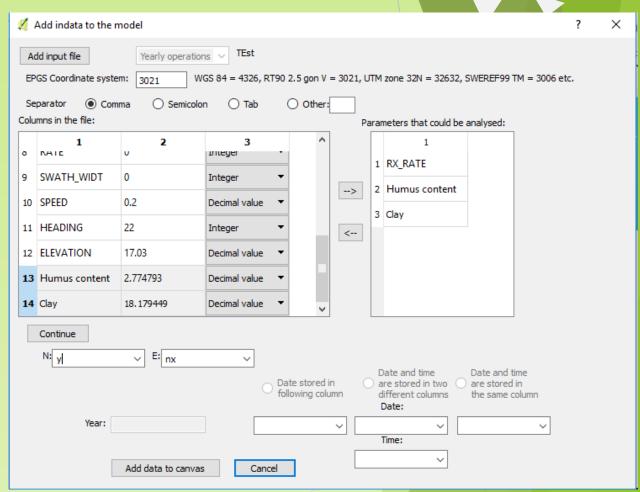


Loading "raw" files into the program

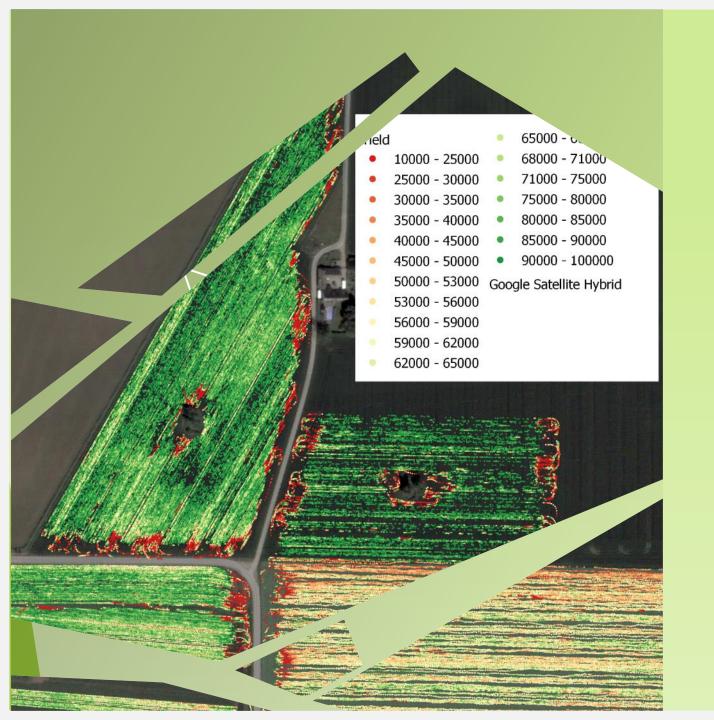


QGIS

- Free Open source program for visualizing geospatial data
- GeoDataFarm a plugin to QGIS specific developed to make it easier for farmers







GeoDataFarm



Visualizing the data

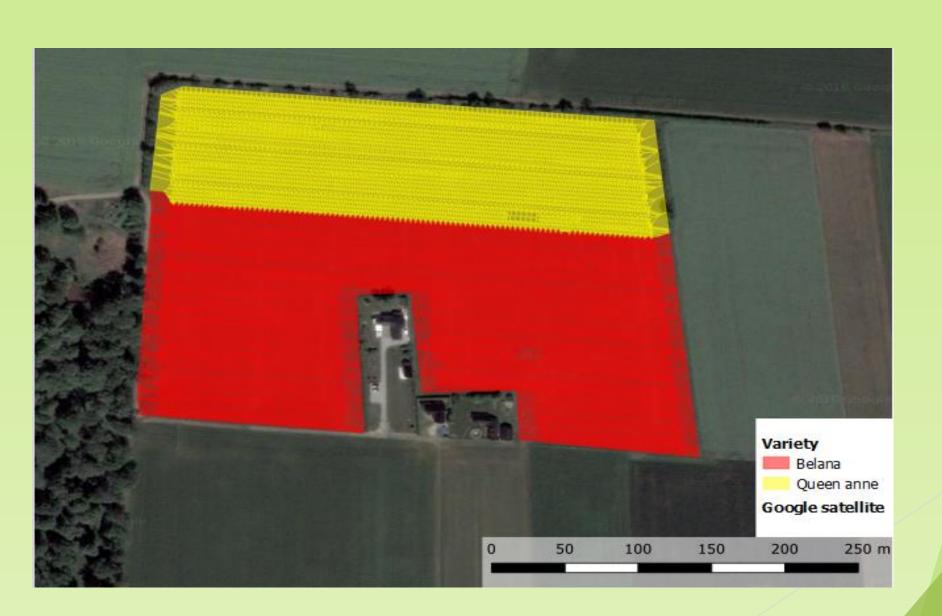
It is easy to put the data on a map and color code it



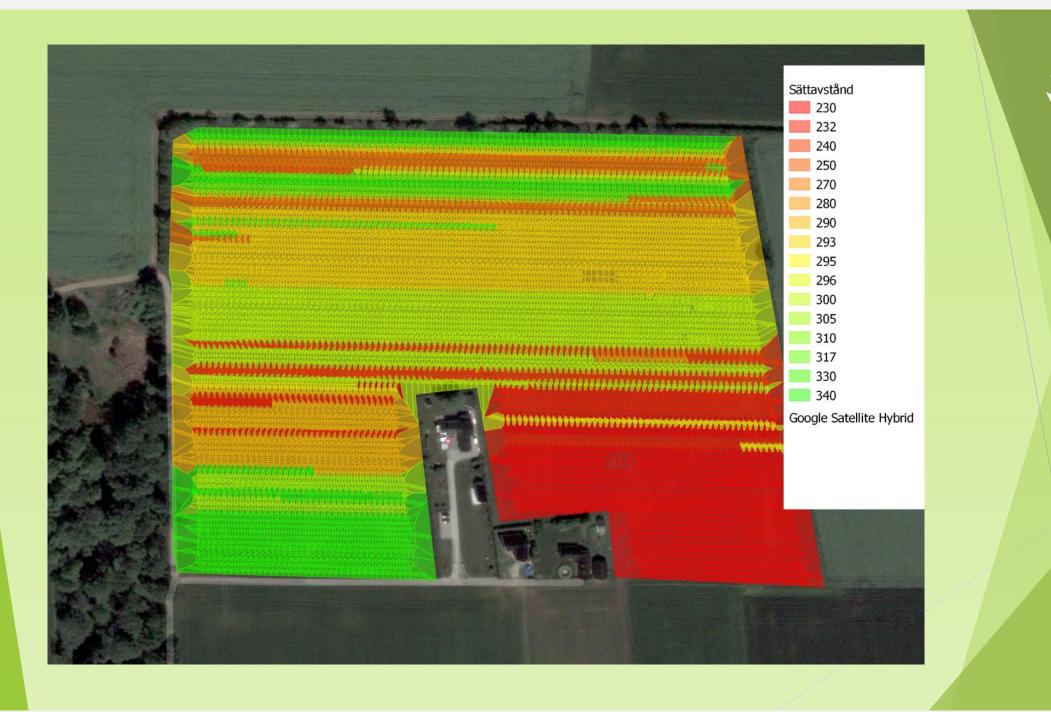
Analyzing the data

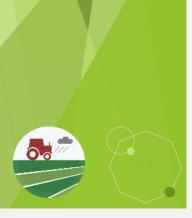
Combining different data sets at same place in order to make conclusions

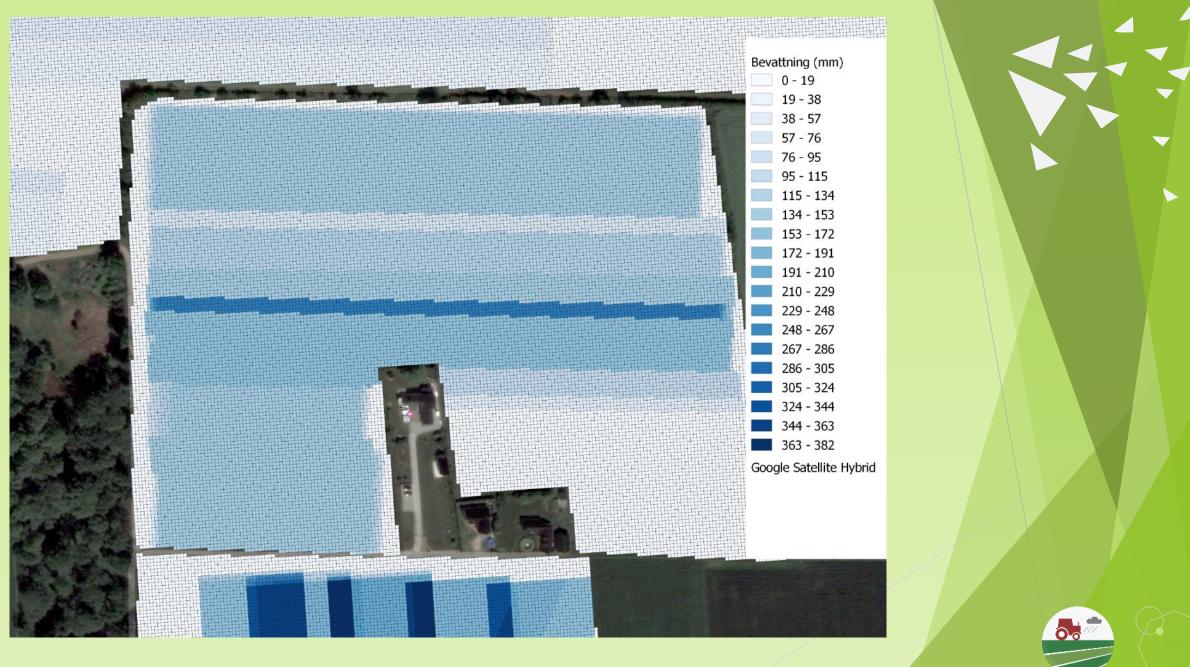




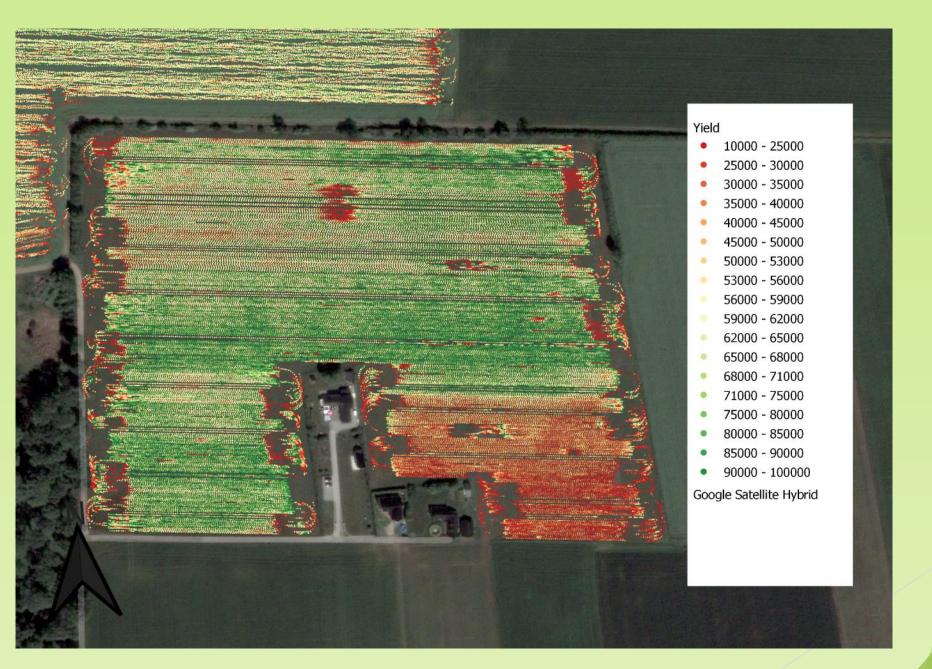






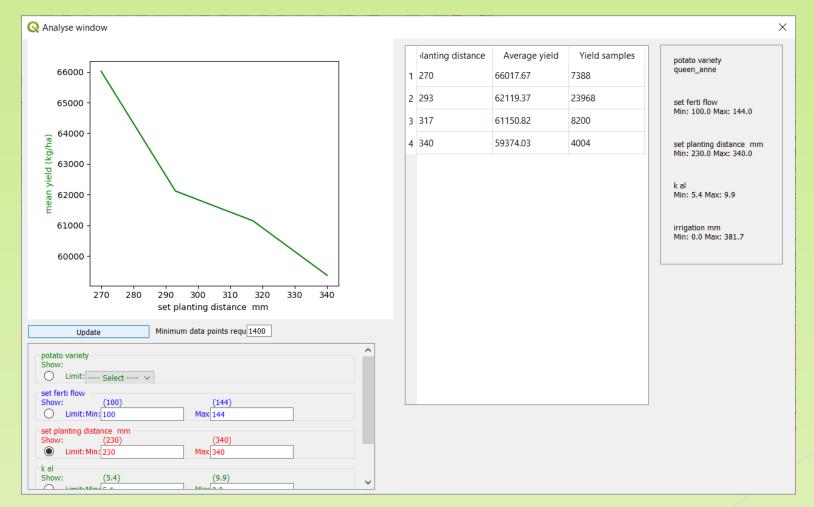






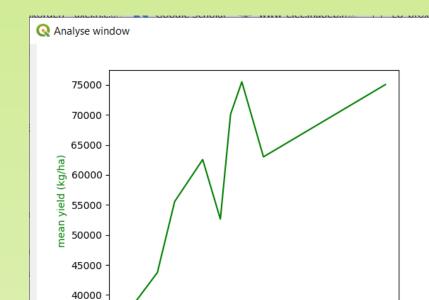


The yield depending on planting distance





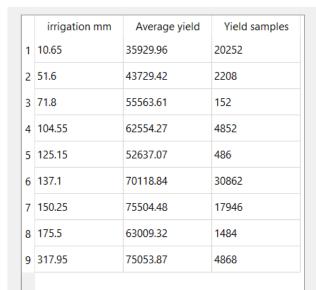
The dependence on irrigation 2018

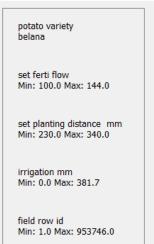


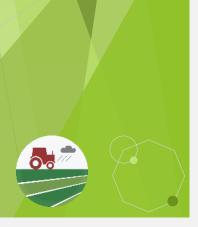
irrigation mm

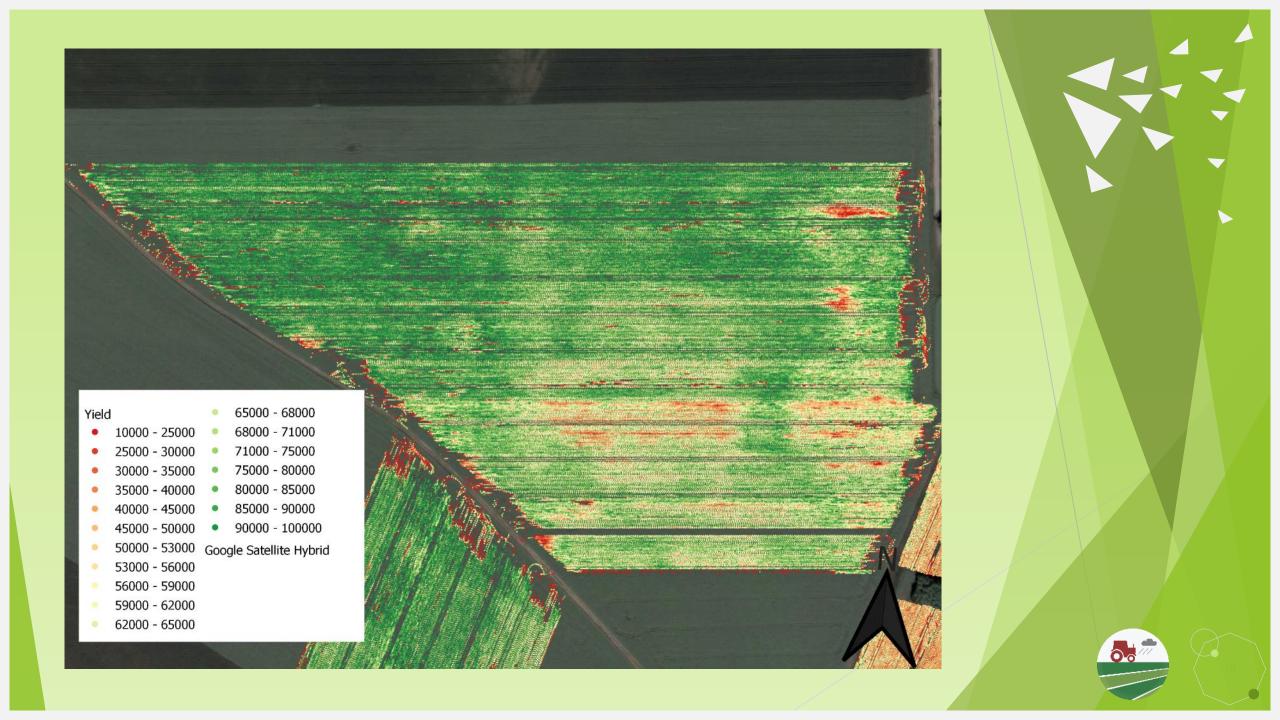
Minimum data points requ 150

Update

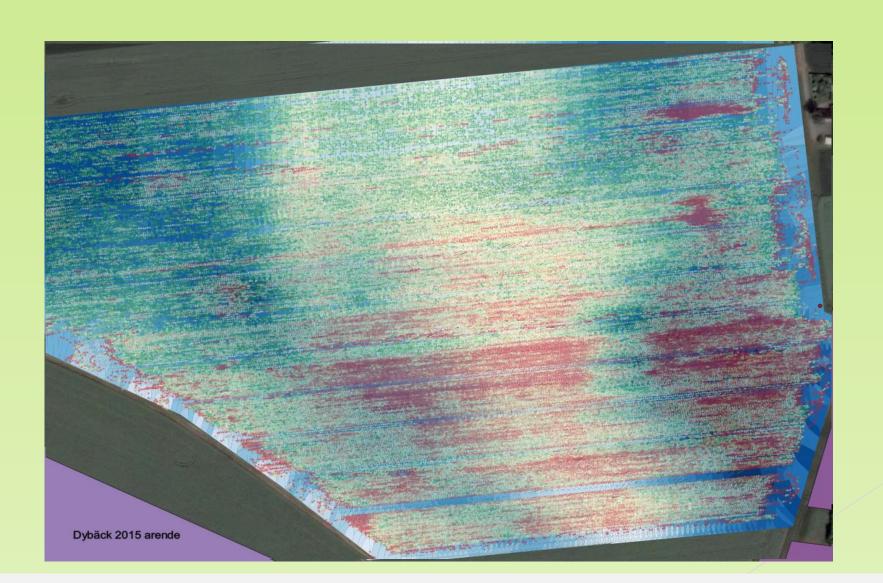






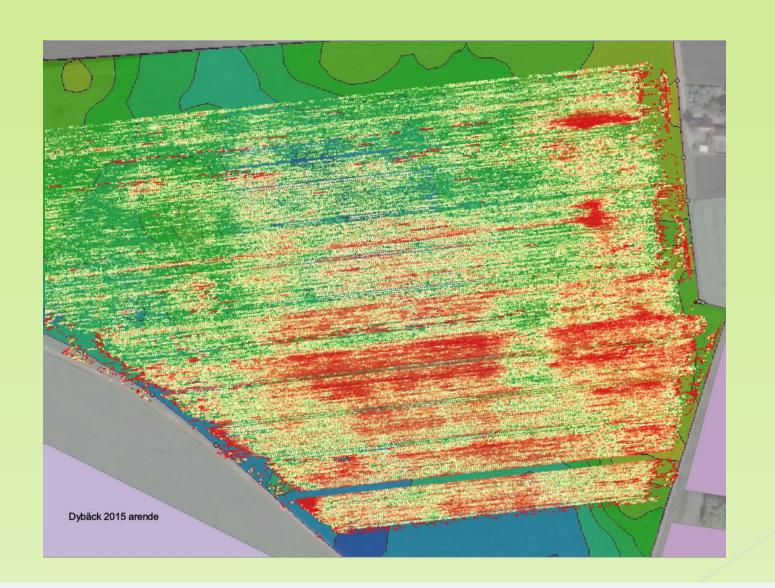


Height data





EM 38





2014 and 2018

