

Indsamling af dronedata

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KØBENHAVNS UNIVERSITET

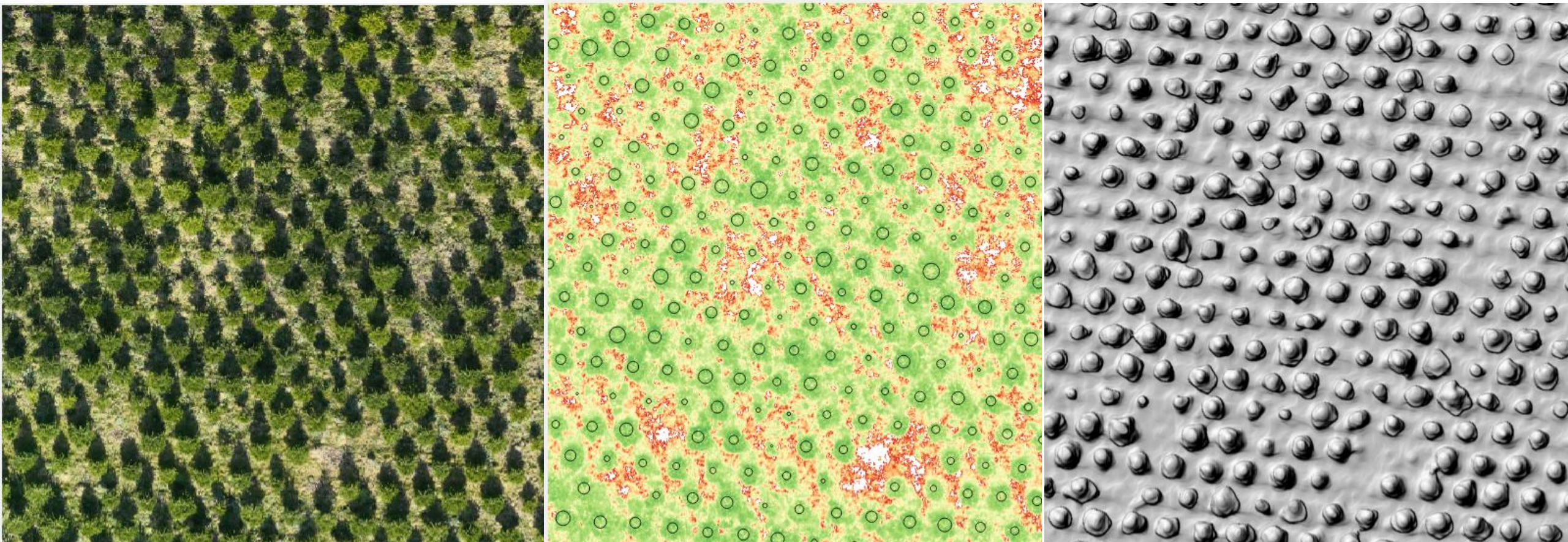


Droner og GPS

- Dronerne der anvendes til dataindsamling har RTK GPS.
 - Forbindelse til basestationer => 1-5 cm nøjagtighed
- Foto drone med almindeligt RGB kamera og Multispektralt kamera
 - Passive kamera-sensorer der er afhængig af dagslys
- Lidar drone med RGB kamera
 - Aktiv sensor der udsender og modtager lys samt alm. kamera som ovenstående
- Der flyves i faste grids med overlap på optagelserne

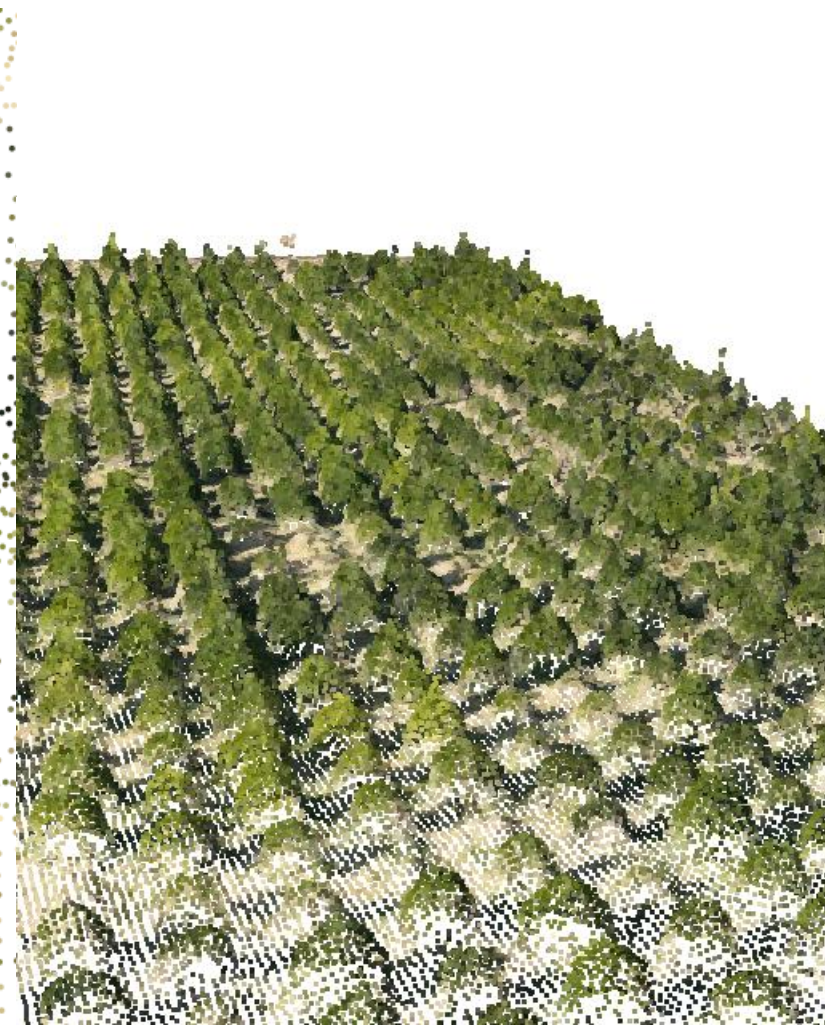
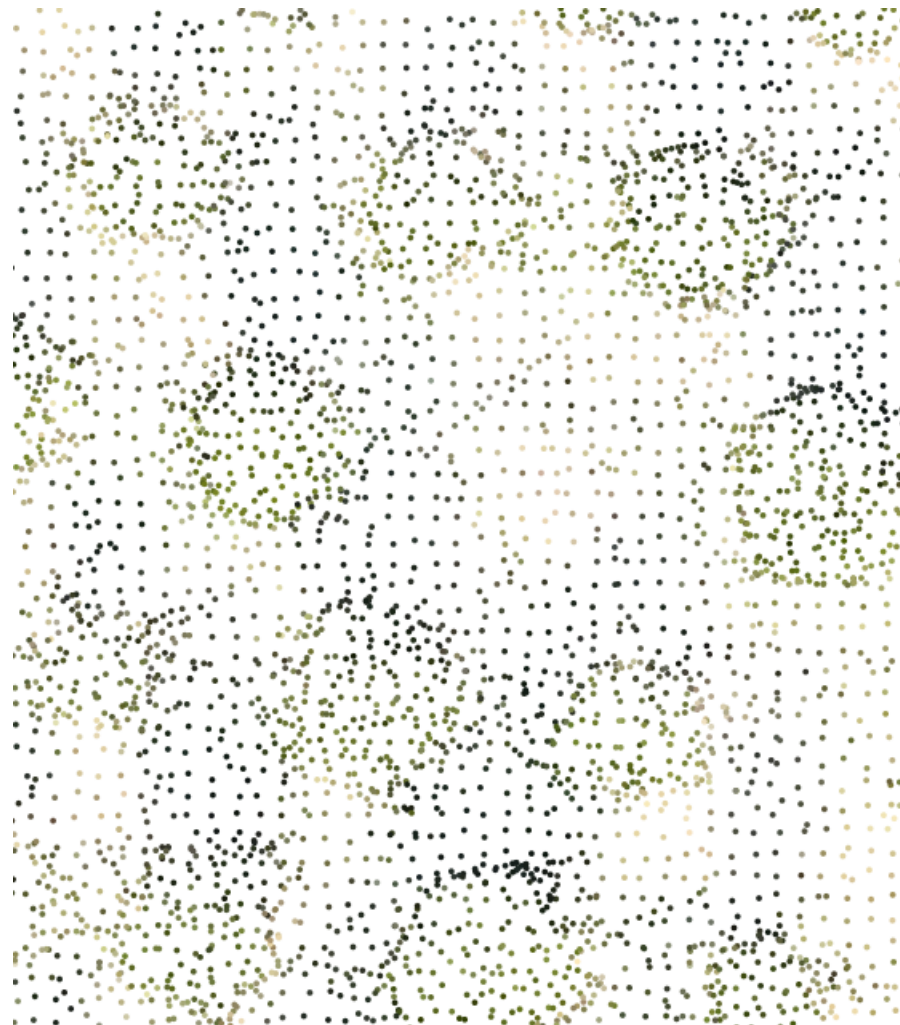
Resultater af overflyvningerne fra RGB og multispektral

- Orthofotos (målfaste fotos) i hhv. RGB og Multispektralt
- Overflademodel



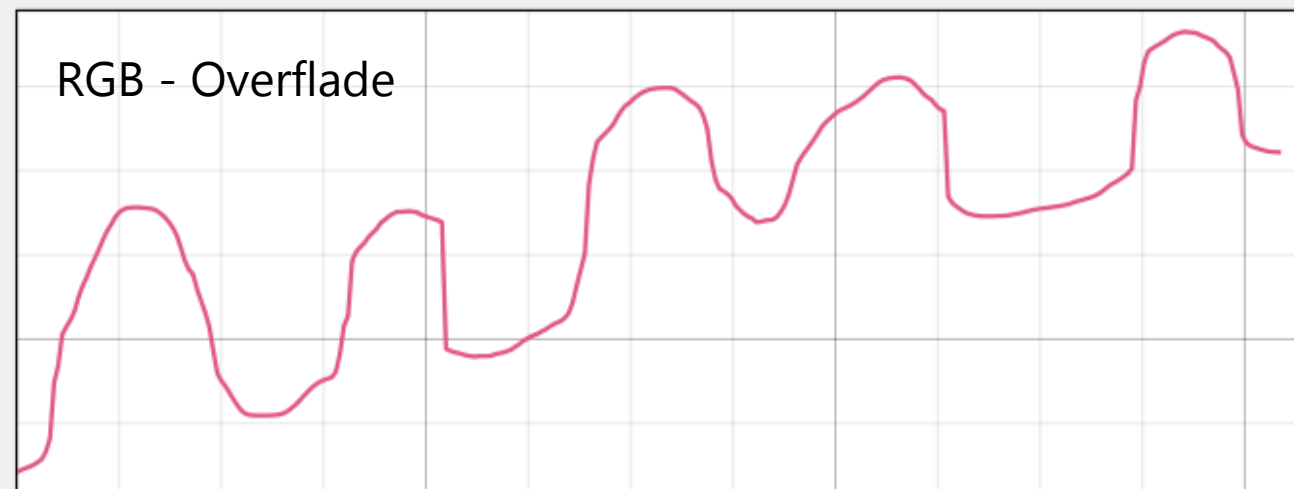
Resultater af overflyvningerne fra Lidar

- Punktsky

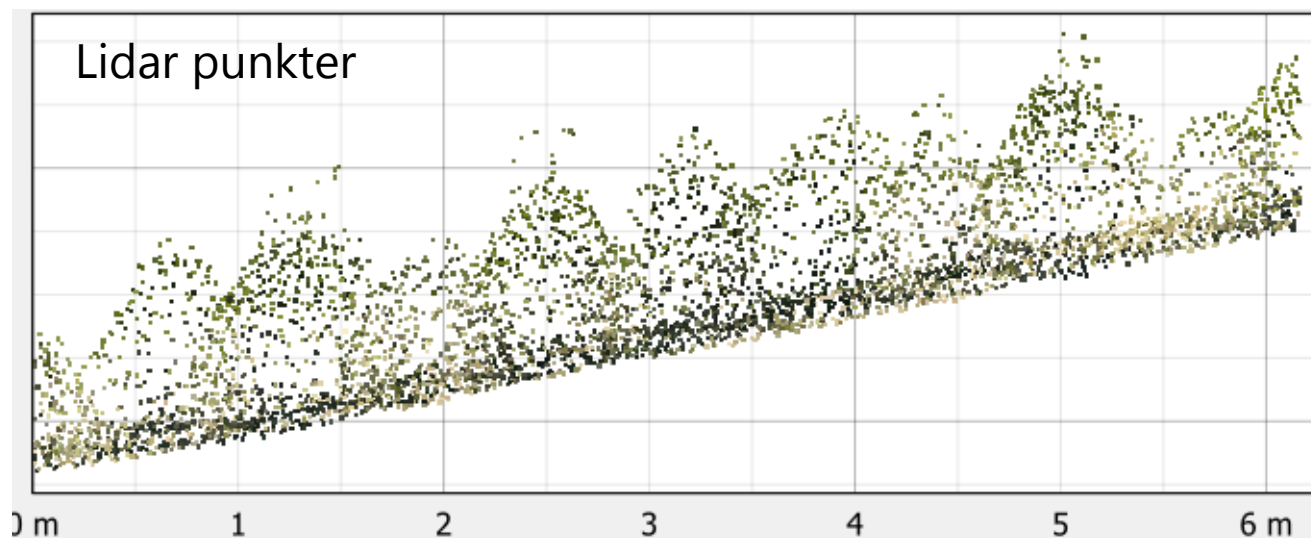


Udfordringer – trætop mangler

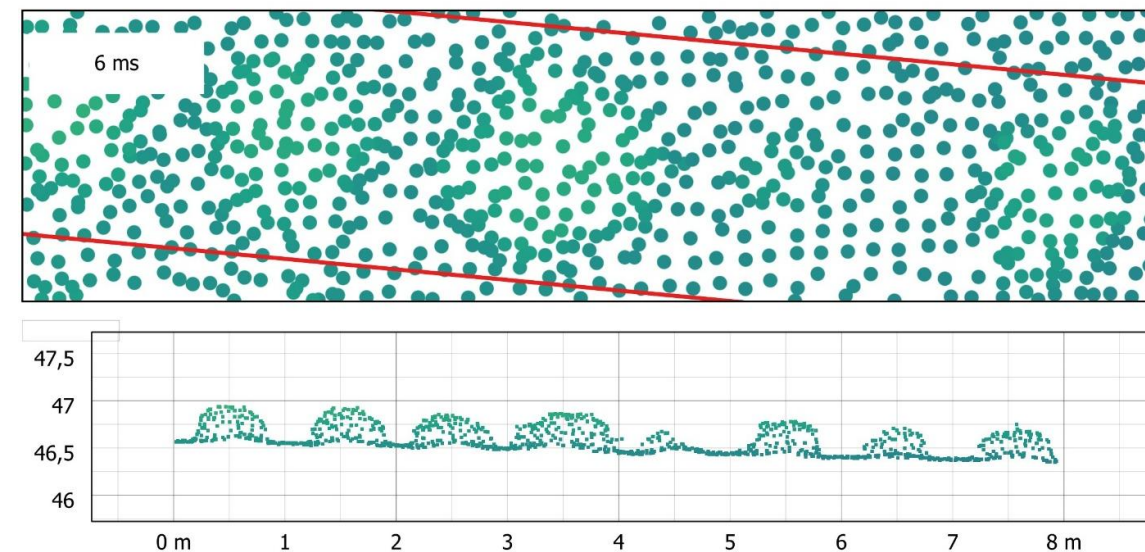
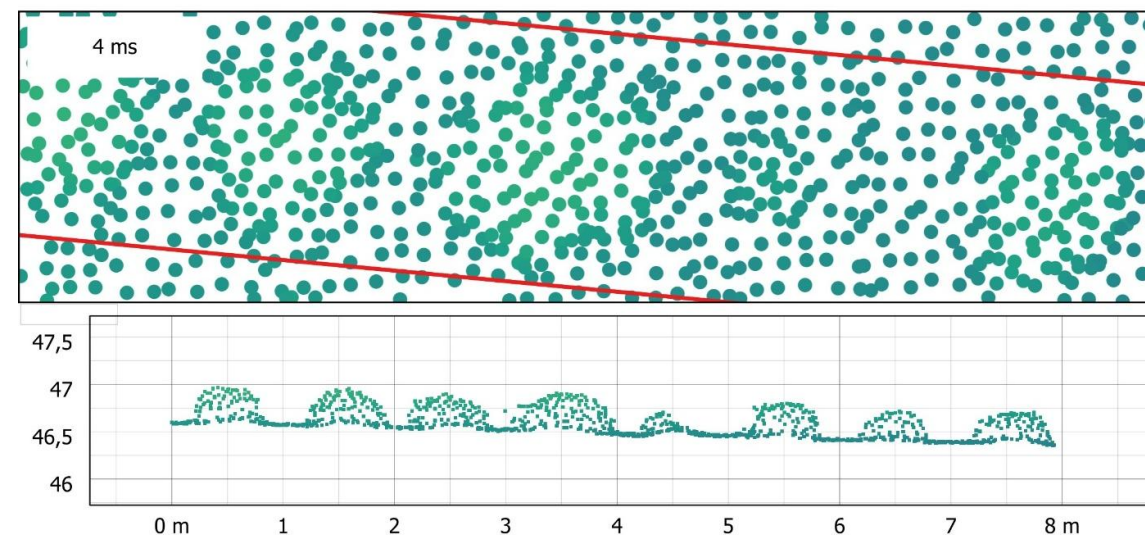
RGB - Overflade



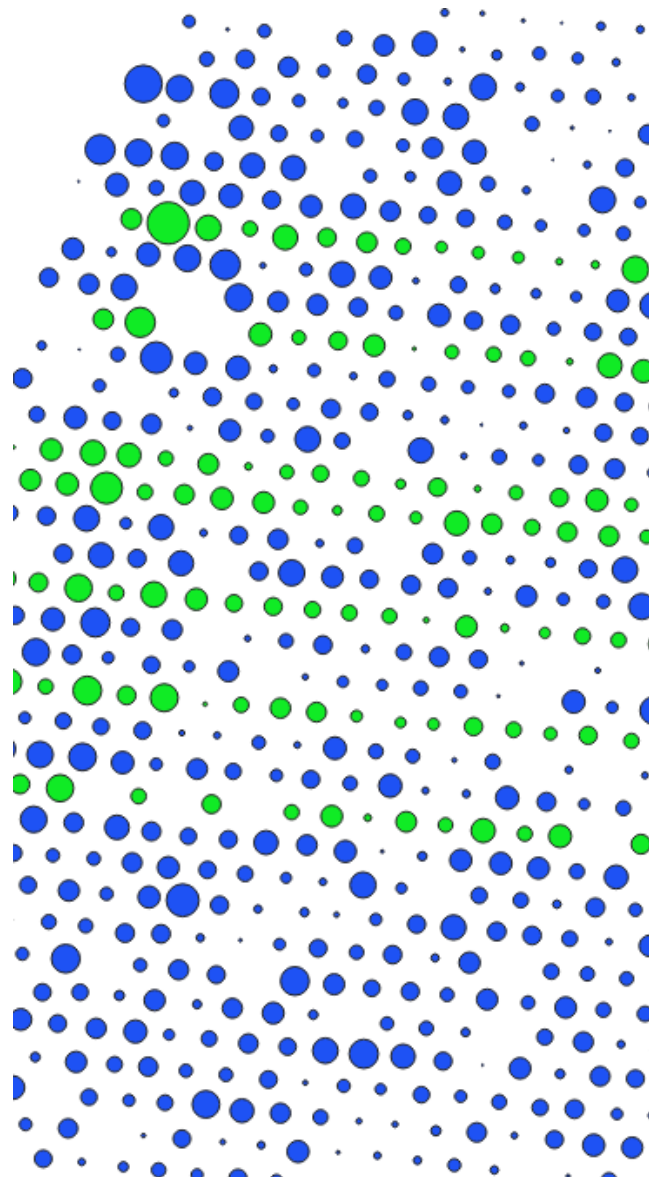
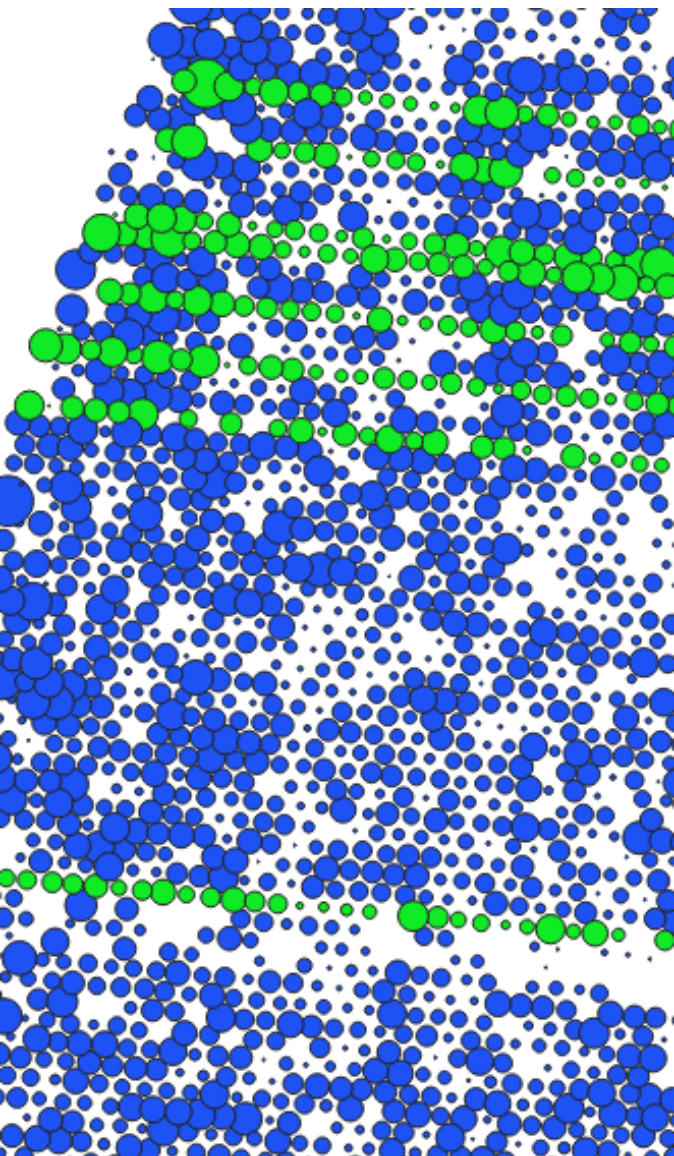
Lidar punkter



Lidar – optaget med forskellige hastigheder
- Ens punkttæthed



Kontrol i felten med App



08.17 5G

< Edit feature ✓

Collect Automatic

color_25_11

— +

height_25_03

— +

z

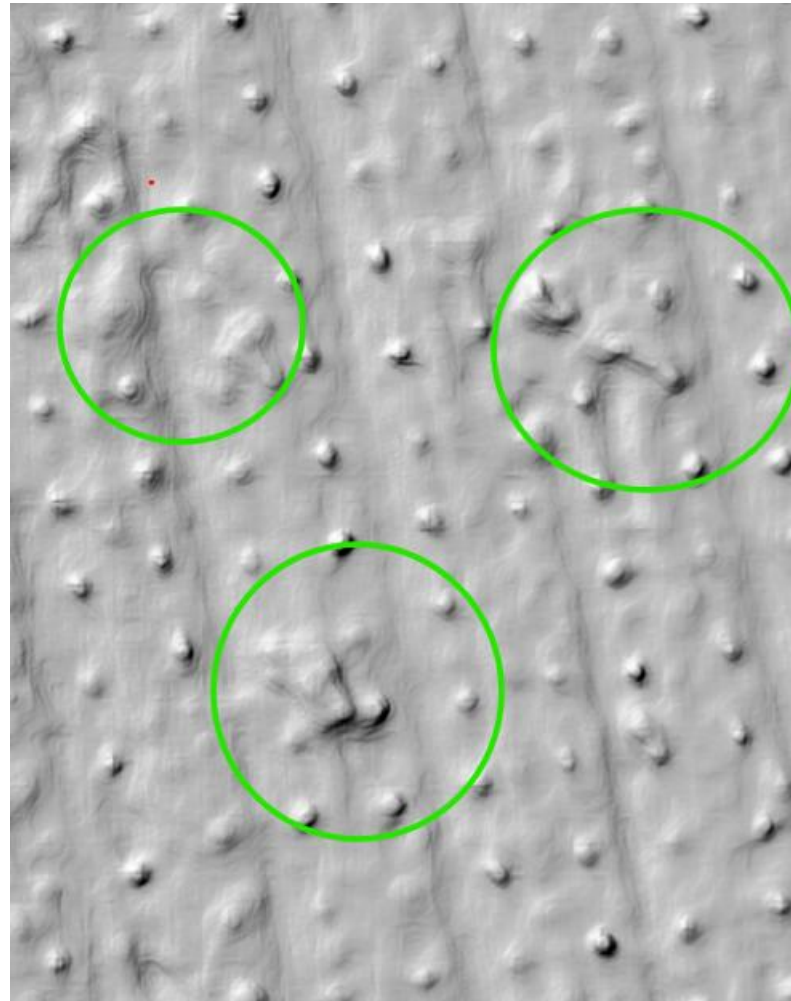
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photo

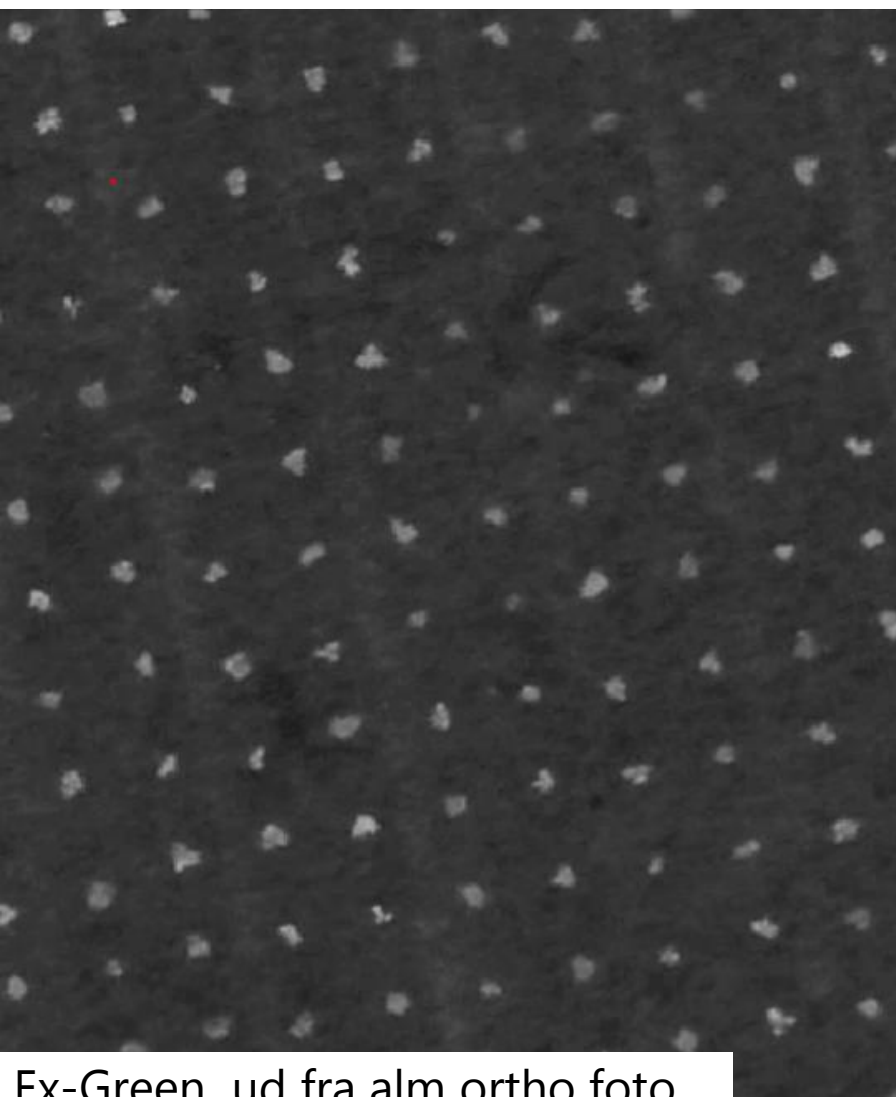
Take a picture From gallery

Delete Edit geometry

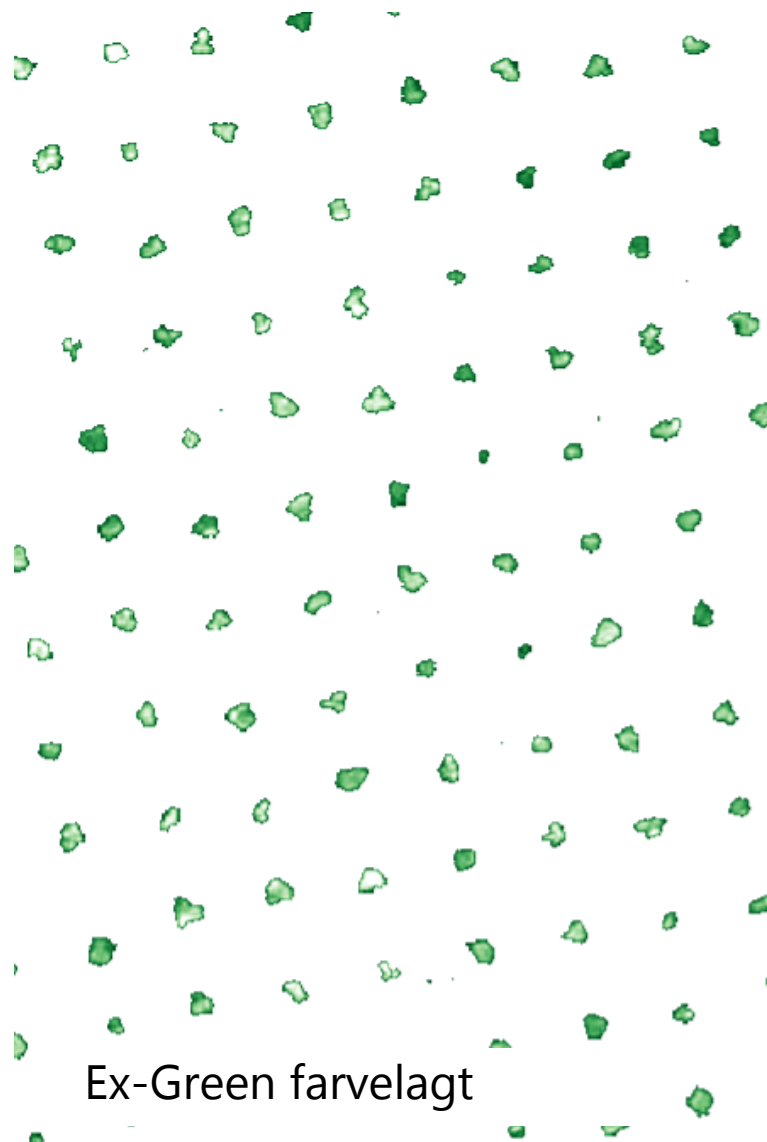
Overflyvning lige efter plantning



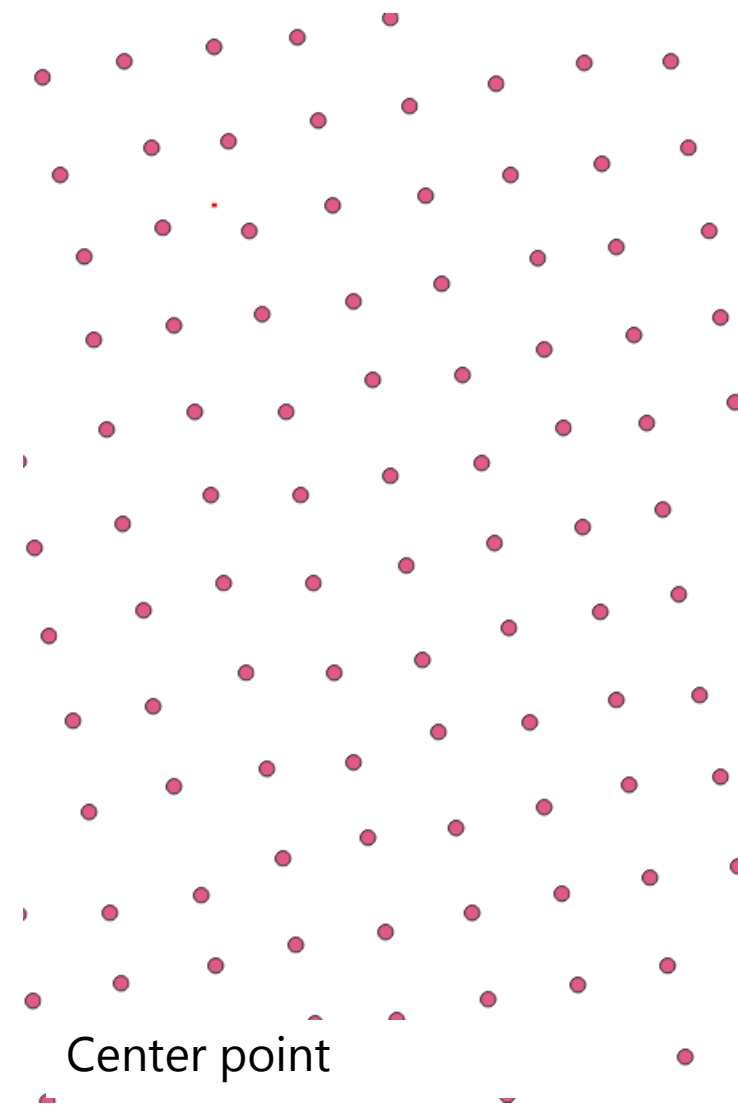
Enkelt at finde enkelte træer



Ex-Green ud fra alm ortho foto



Ex-Green farvelagt



Center point