



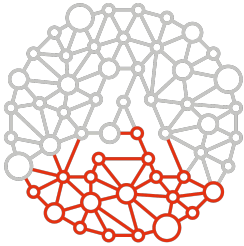
AERET
CONNECTING DATA



“Drones nemen een hoge vlucht”

Over ons

Sinds 2008 actief met drones
Aeret: Opgericht in 2015



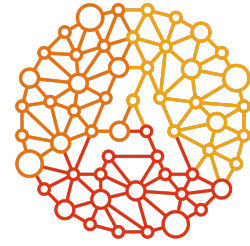
DRONE



DATA



GIS

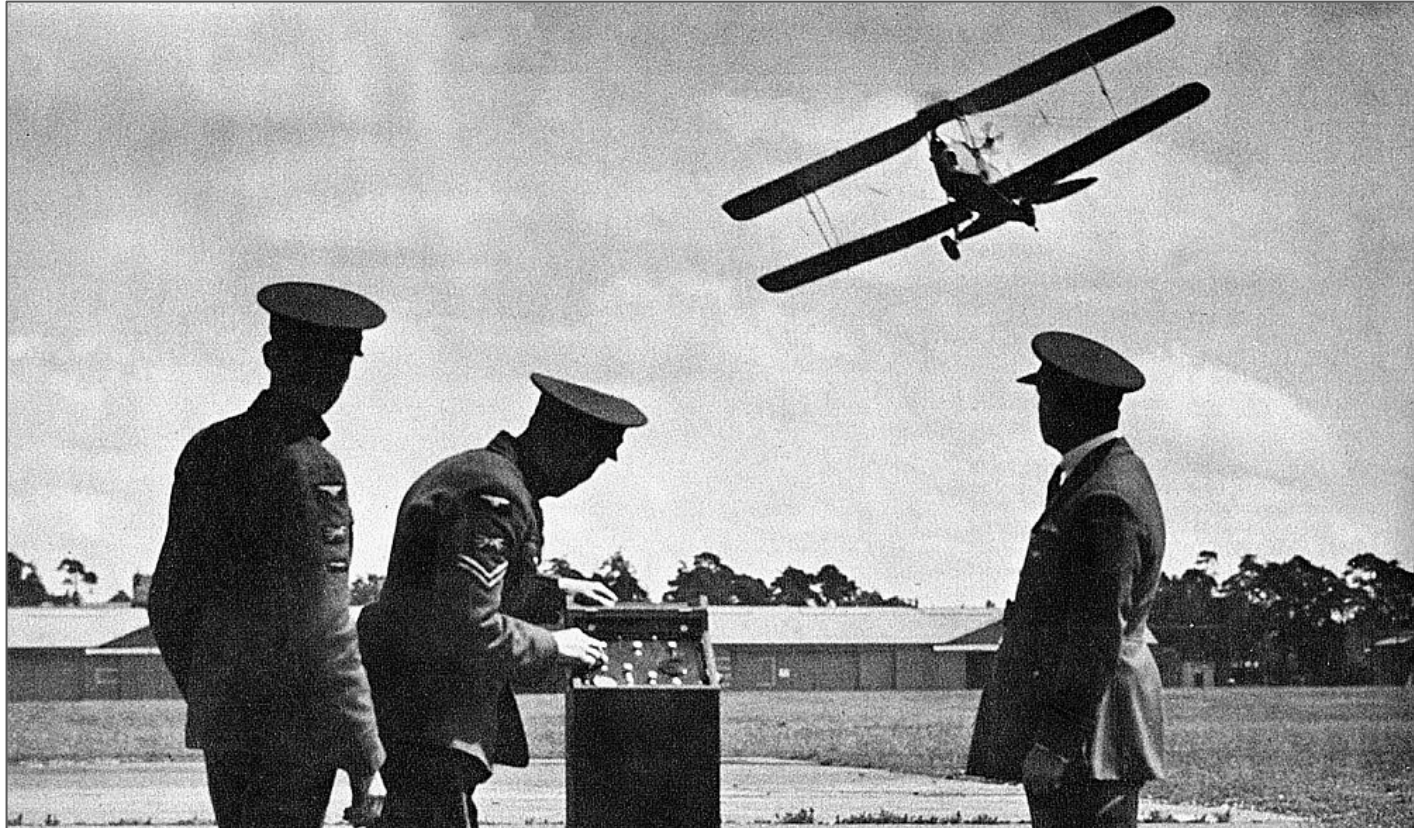


AERET
CONNECTING DATA

[illegible]

Moderne Techniek?

- > Van: Militair
- > Naar: Commercieel



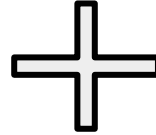
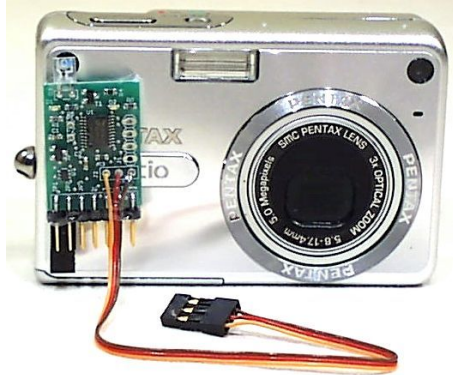
Consum. Electronica: Kleiner en Sneller



“....a dedicated Neural Compute Engine to give devices (drones) the ability to see, react to their environments in real time. “

Source: Intel

Van “Do it yourself” (2011)



Naar professionele systemen (2021)



Onbemande systemen - types



Fixed Wing



Multirotor / VTOL

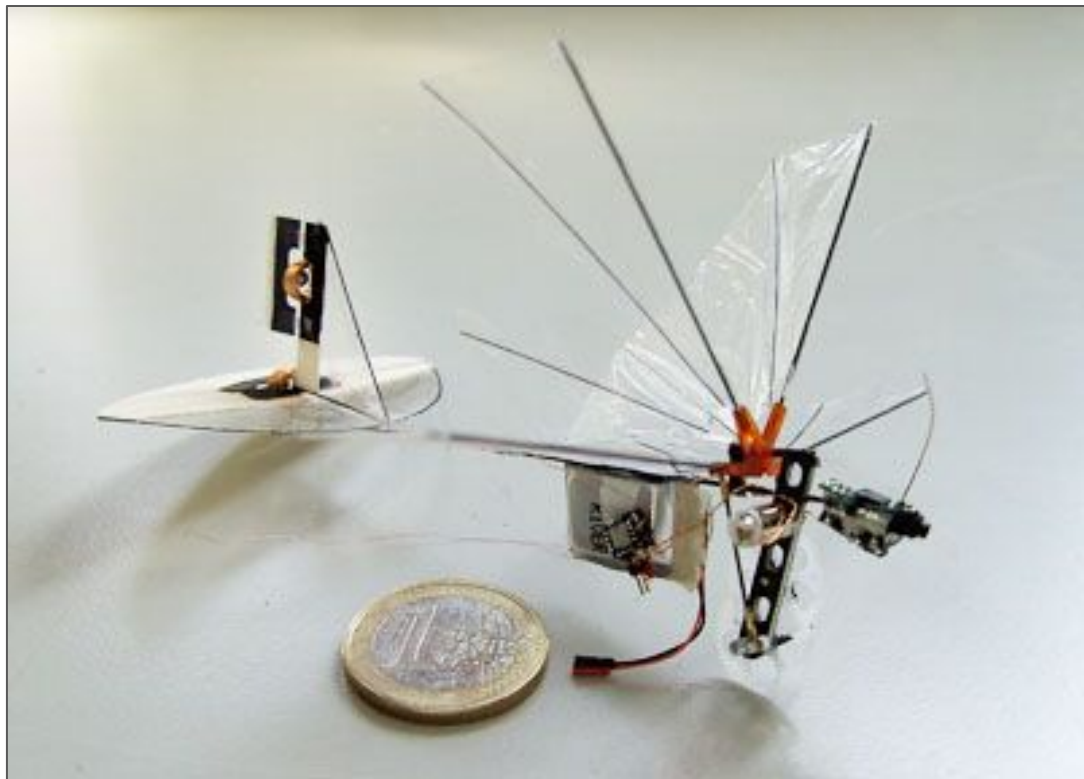


Hybride

Delfly Micro

3 gram

10 cm



Nederlandse Innovatie

AVY

Medische drone

Zwolle - Meppel



Nederlandse Innovatie

Ampyx Power

350 [kg]

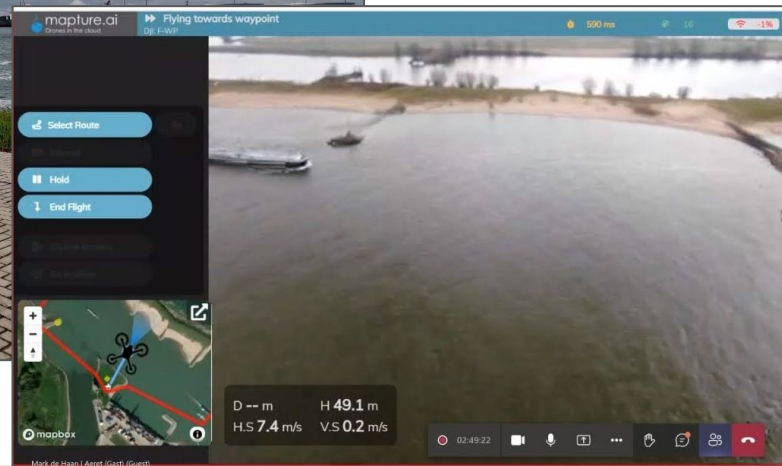
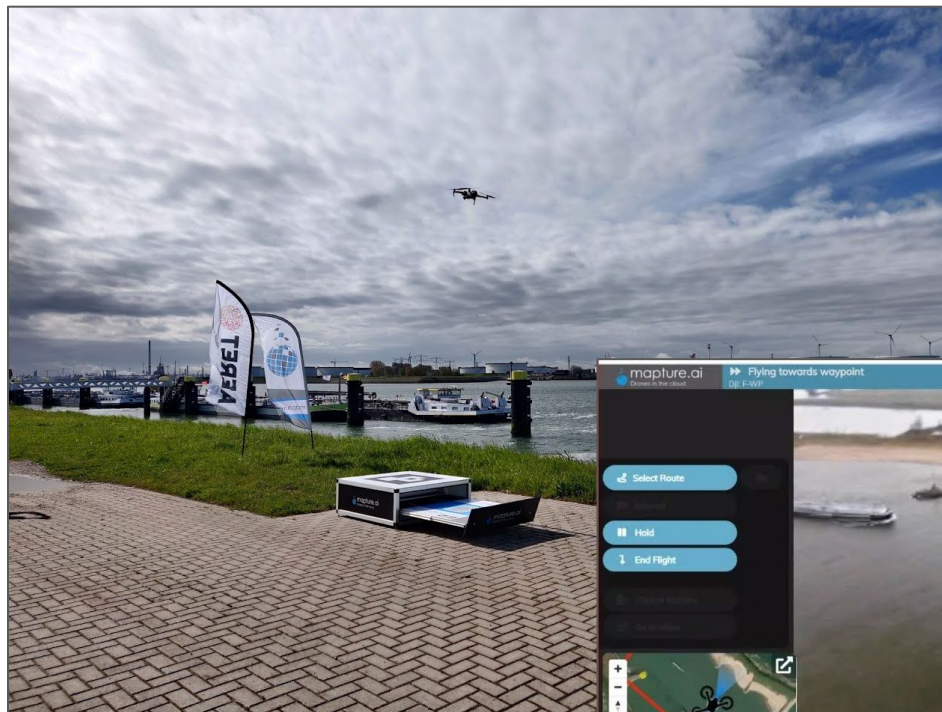
12 [m]



Nederlandse Innovatie

RWS Test centrum

Nijmegen



Techniek vs Regelgeving

> Regels vs Tech



Let's Fly?



AERET
CONNECTING DATA

Adres of Postcode

AERET Gereed.

INLOGGEN

LAGEN 3 LEGENDA 1

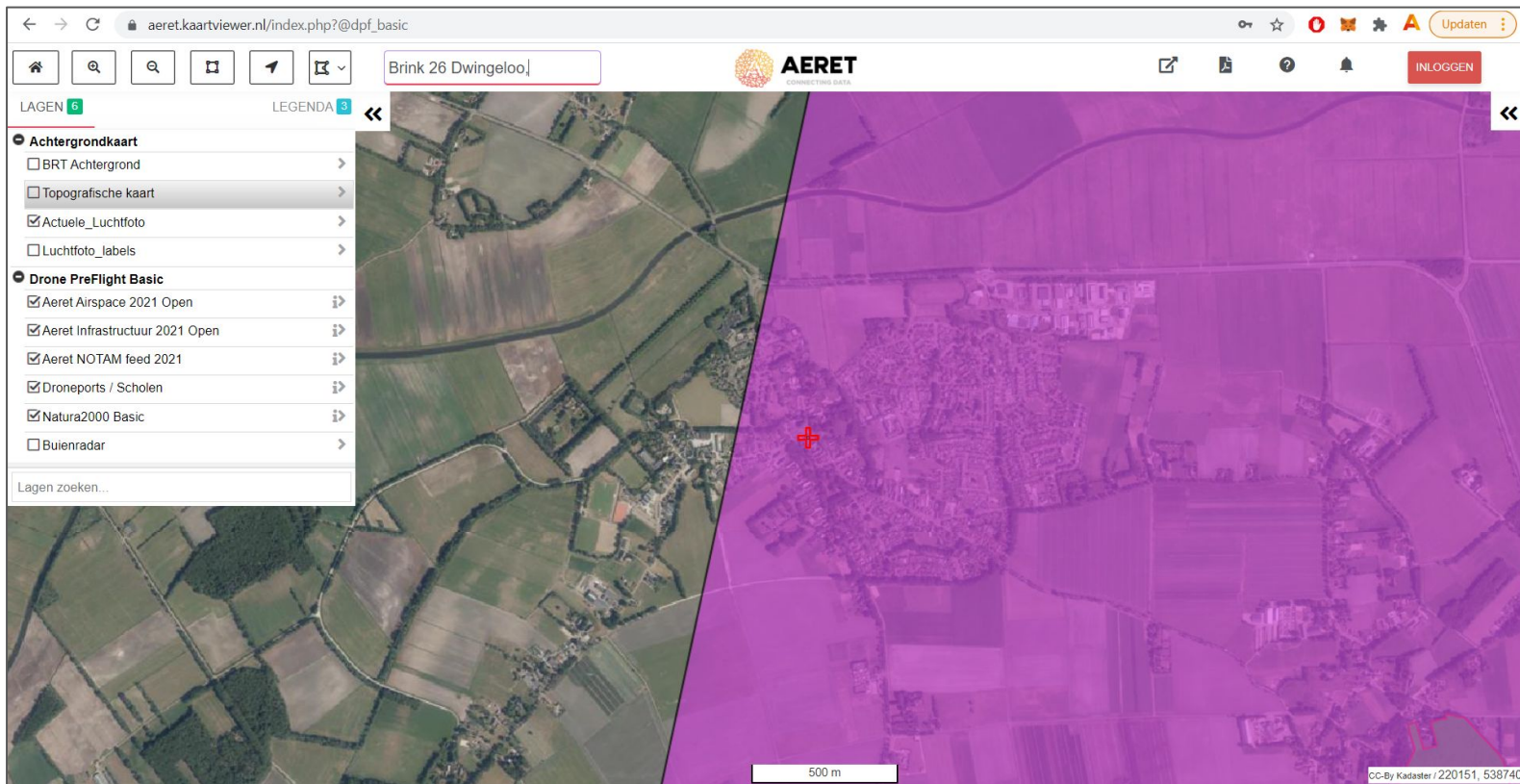
- Achtergrondkaart**
 - ☐ BRT Achtergrond
 - ☐ Topografische kaart
 - ☒ Actuele_Luchtfoto
 - ☐ Luchtfoto_labels
- Drone PreFlight Basic**
 - ☒ Aeret Airspace 2021 Open
 - ☒ Aeret Infrastructuur 2021 Open
 - ☒ Aeret NOTAM feed 2021
 - ☒ Droneports / Scholen
 - ☒ Natura2000 Basic
 - ☐ Buienradar

Lagen zoeken...

50 km

CC-BY Kadaster / 428369, 394859

Let's Fly?



Let's Fly!



Wat meten? Welke Sensor?



2x 100Mp

Multispectral



360° Panorama



**20x Opt. Zoom
Thermische cam.**

LiDAR



Verschuiving - Verwerking

Van Lokaal



Naar Online



 Mark de Haan

 Pix4Dmapper

 Projects

 Upload Files

 Download Pix4D Desktop

 Download Pix4Dcapture

UPLOAD FILES



RWS_Doorwerthse_W...

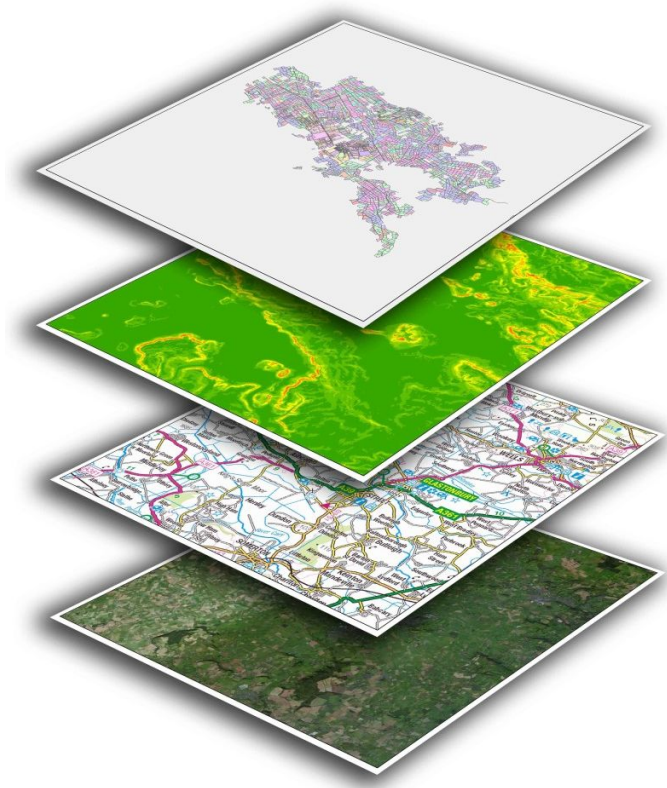
Dec 23, 2017

OPEN

Van Data naar Informatie

Inwinnen:

“Geogerefereerde data”

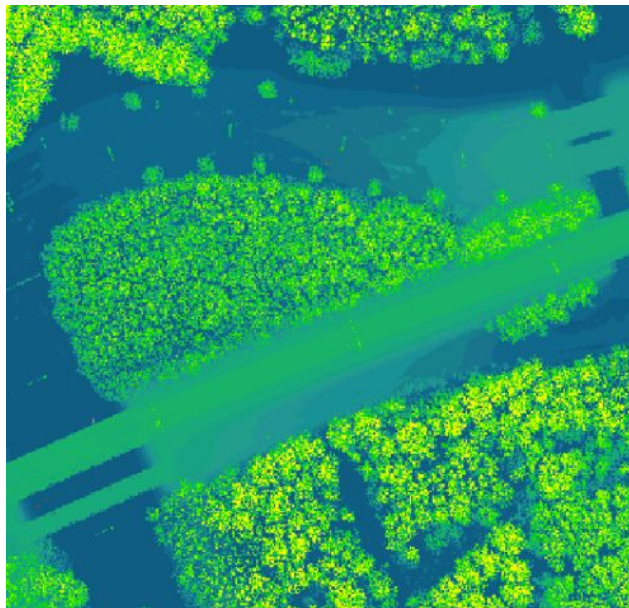


Resultaten

Luchtfoto



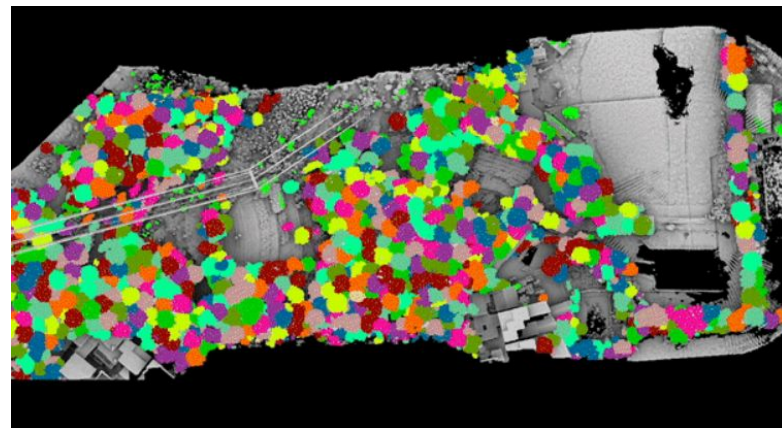
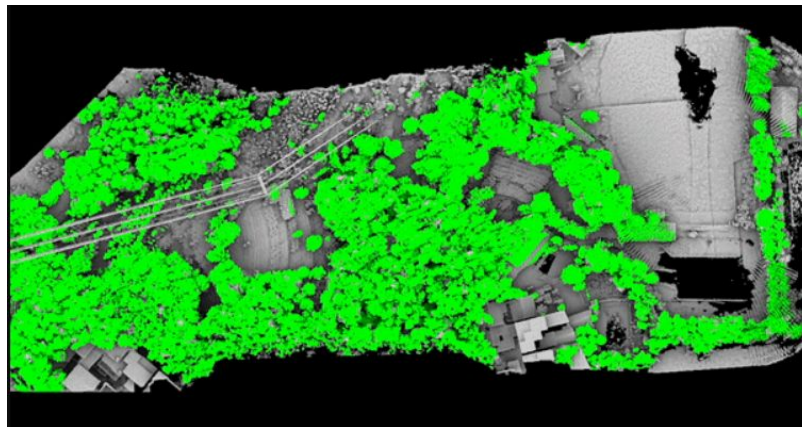
Hoogtemodel



Resultaten

3D Pointcloud

- >Vol. Calculatie
- >Vol. Vergelijking

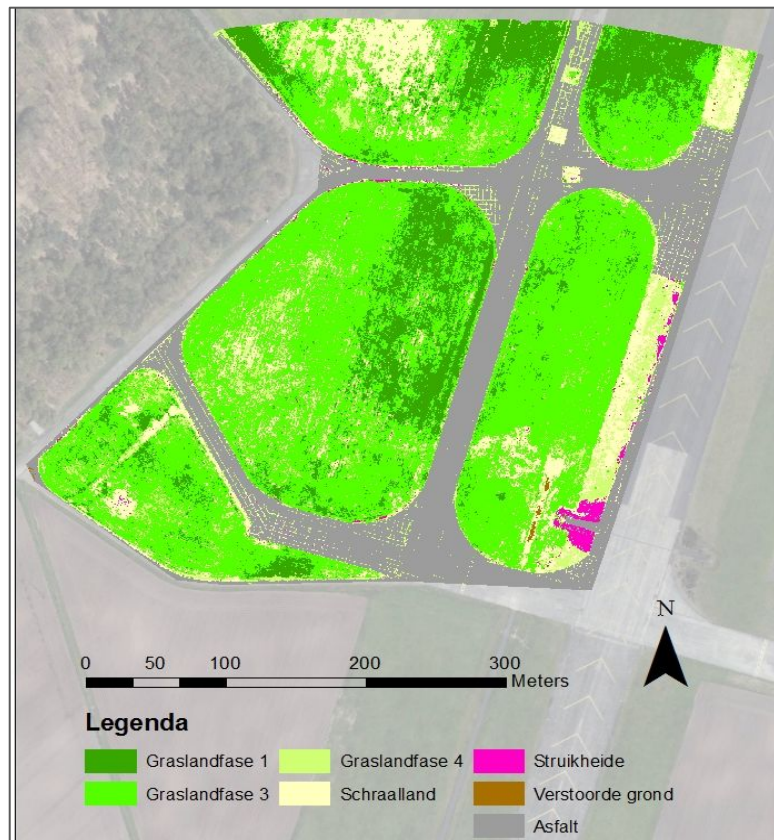


Resultaten

NDVI

>'Gezondheid'

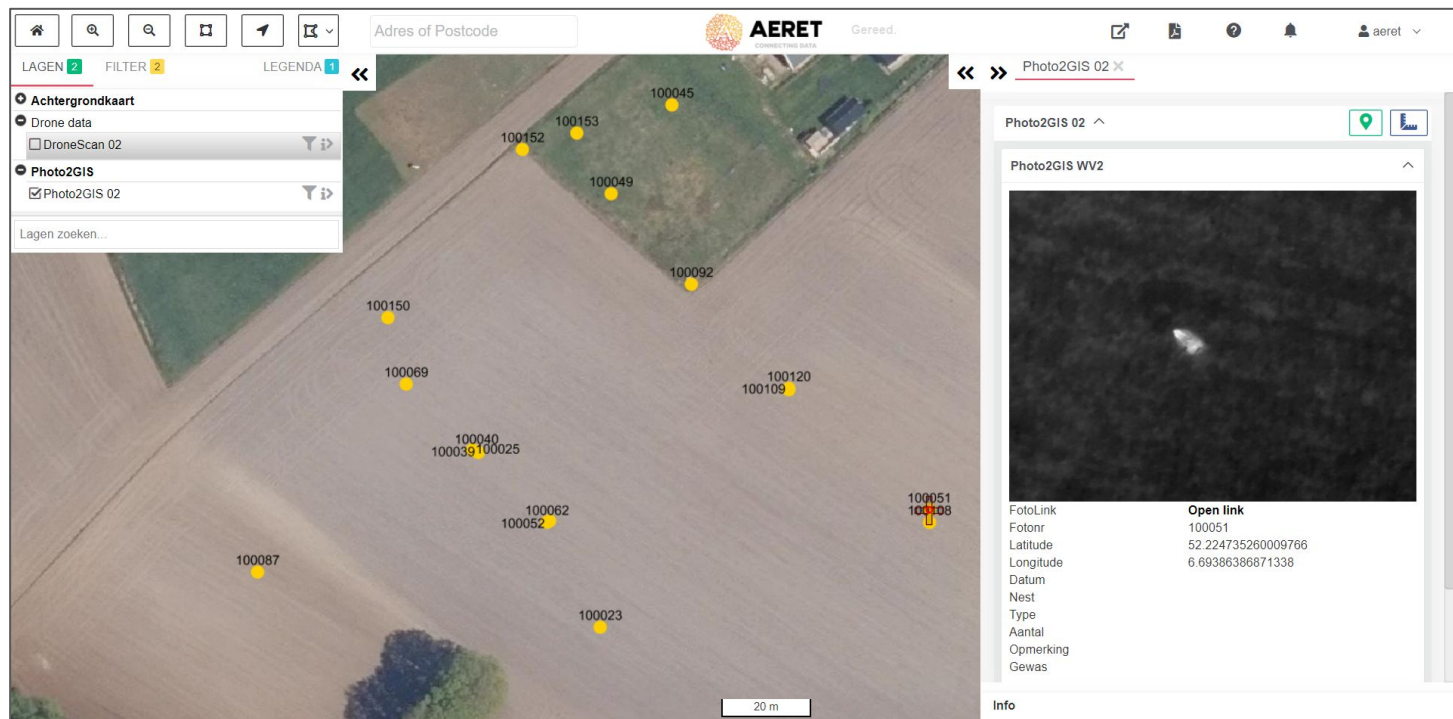
>Vegetatiekartering



Resultaten

Hotspot

> Fauna



The screenshot displays the AERET Photo2GIS web application interface. The main map area shows an aerial view of a field with several yellow dots representing drone data points, each labeled with a unique ID (e.g., 100152, 100153, 100045, 100049, 100092, 100120, 100109, 100051, 100108, 100087, 100069, 100040, 100039, 100025, 100062, 100052, 100023). A scale bar at the bottom indicates 20 meters.

On the left side, there is a sidebar with the following sections:

- LAGEN 2**: A list of layers including "Achtergrondkaart", "Drone data", "DroneScan 02", and "Photo2GIS". The "Photo2GIS" layer is selected.
- FILTER 2**: A section for filtering the data.
- LEGENDA 1**: A legend section.

On the right side, there is a detailed view of a specific photo, labeled "Photo2GIS WV2". The photo shows a dark, textured surface with a bright, elongated object in the center. Below the photo, there is a table with metadata:

Open link	
FotoLink	100051
Fotonr	52.224735260009766
Latitude	6.69386386871338
Longitude	
Datum	
Nest	
Type	
Aantal	
Opmerking	
Gewas	

Drone Innovatie

Test Locaties:

- > Twente
- > Valkenburg
- > Woensdrecht
- > Marknesse
- > Groningen



Van Hype naar Hoop(?)



Aeret: Connecting Data

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