

Michael Breetzke

Director Business Development
Swift Geospatial



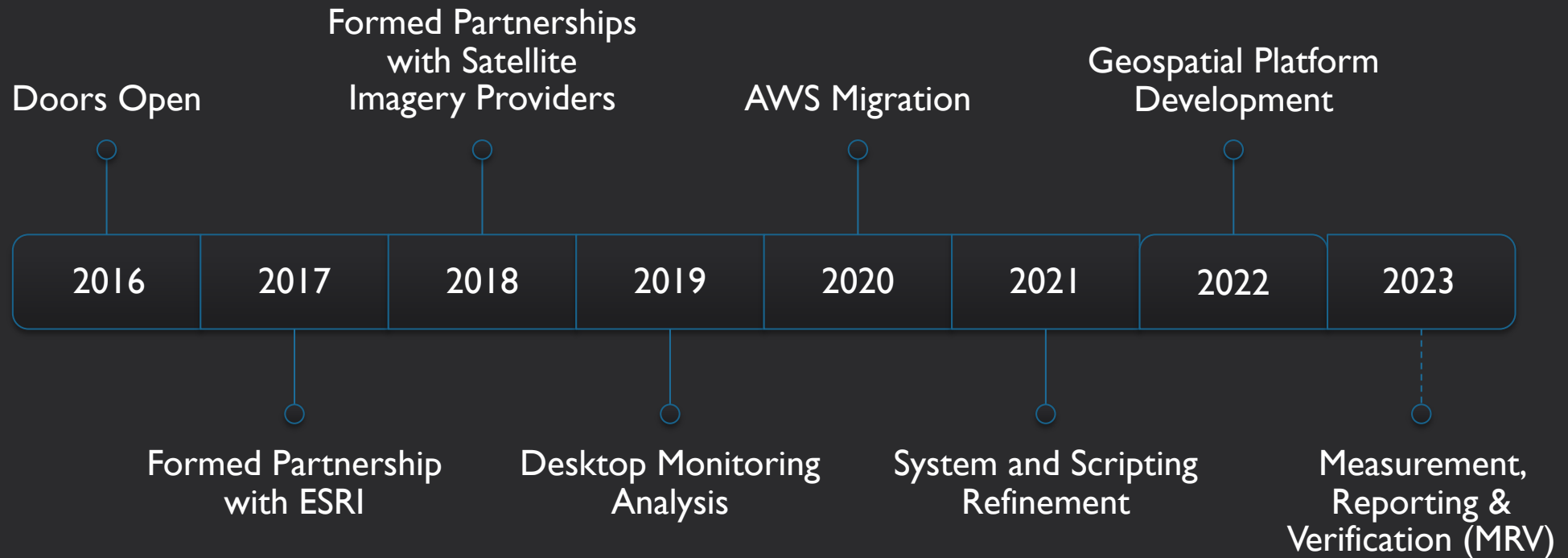
SWIFTGEOSPATIAL

Transforming data into knowledge

Enhancing Decision Support for Agriculture

Michael Breetzke

GIS and Remote Sensing Company



Market Verticals

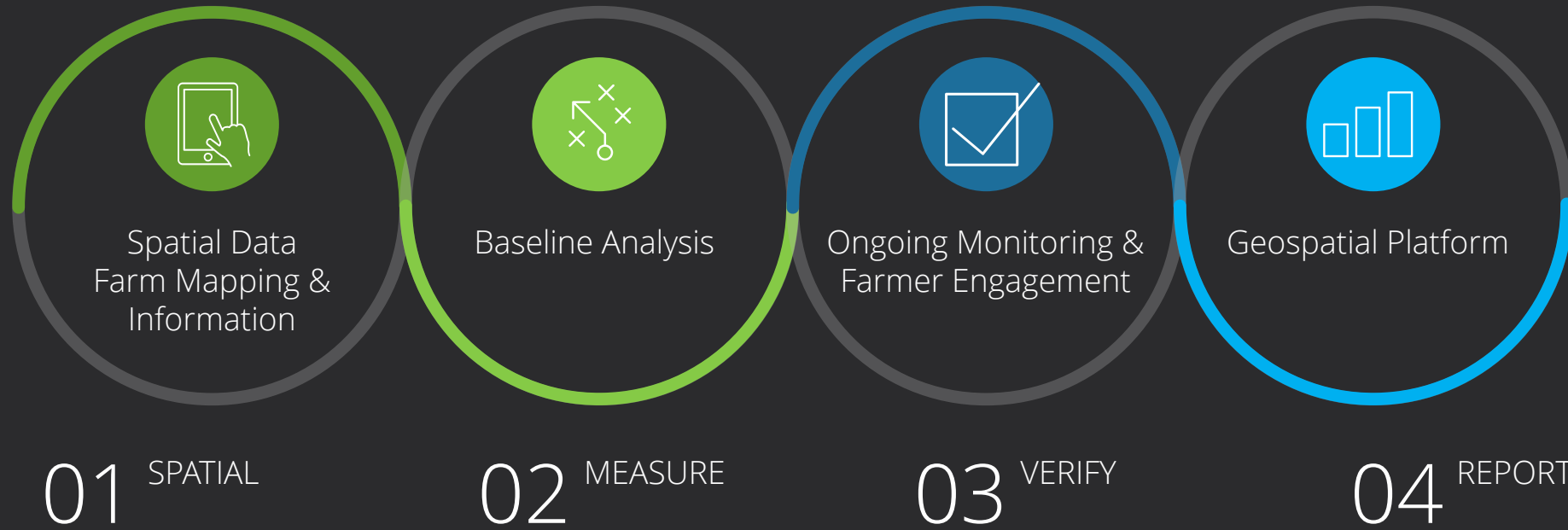
Forestry
(Natural &
Commercial)

Agriculture

Sustainability
(ESG)

Mining

Workflow



Farm Boundary Mapping (Conventional + Agroforestry)



COLLECTOR

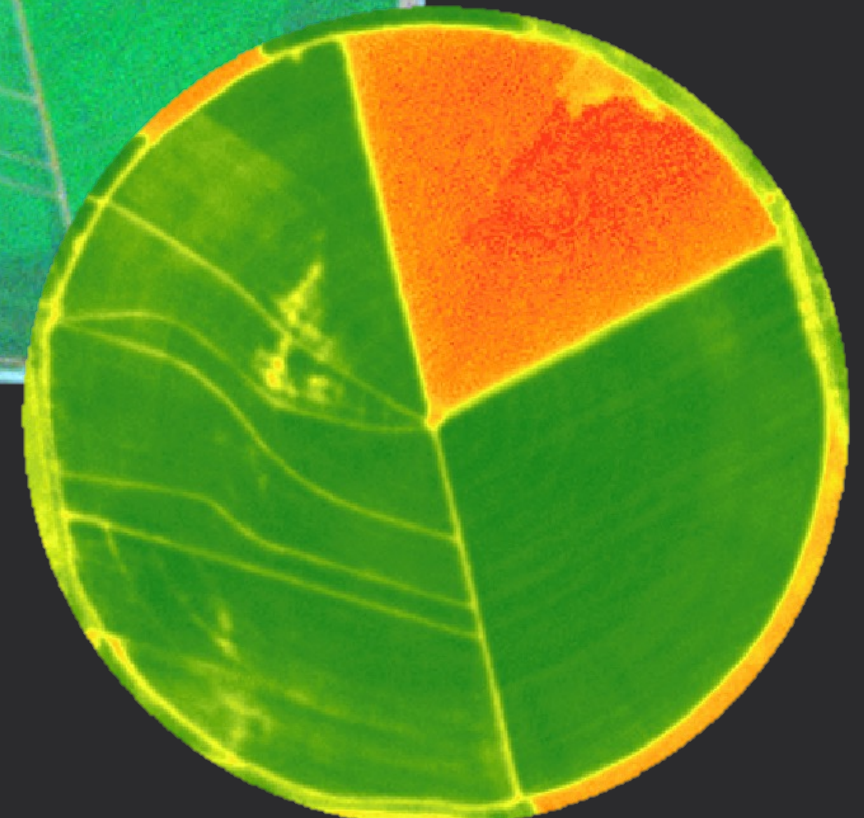
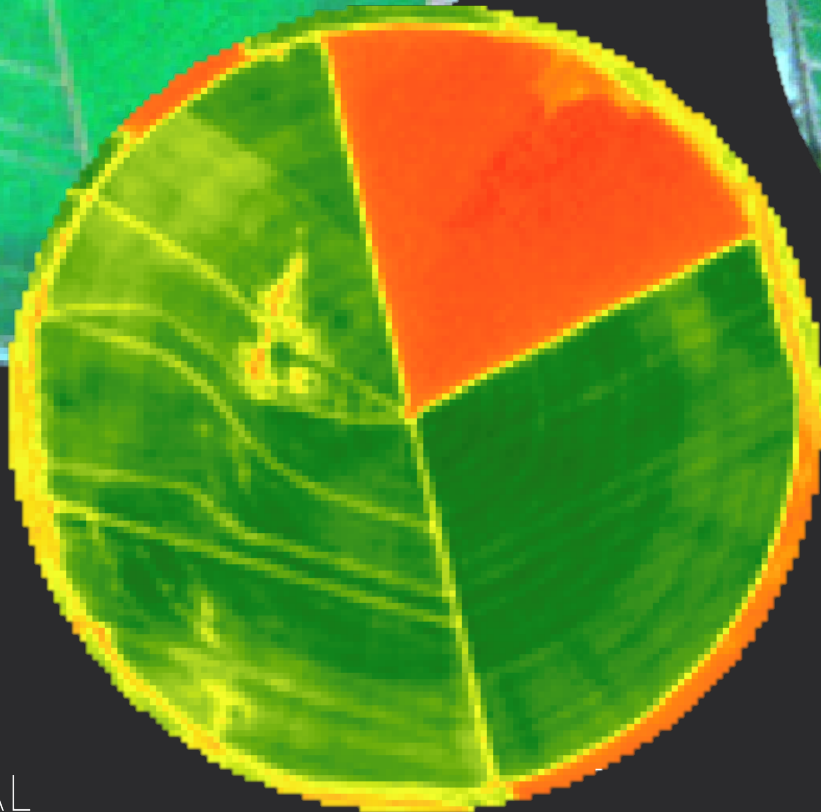
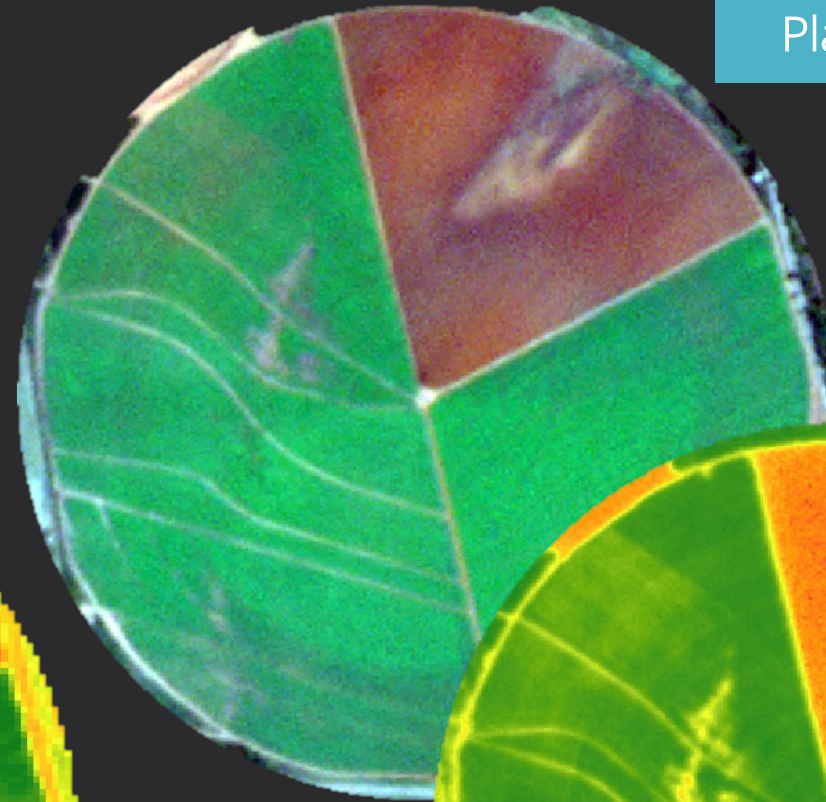
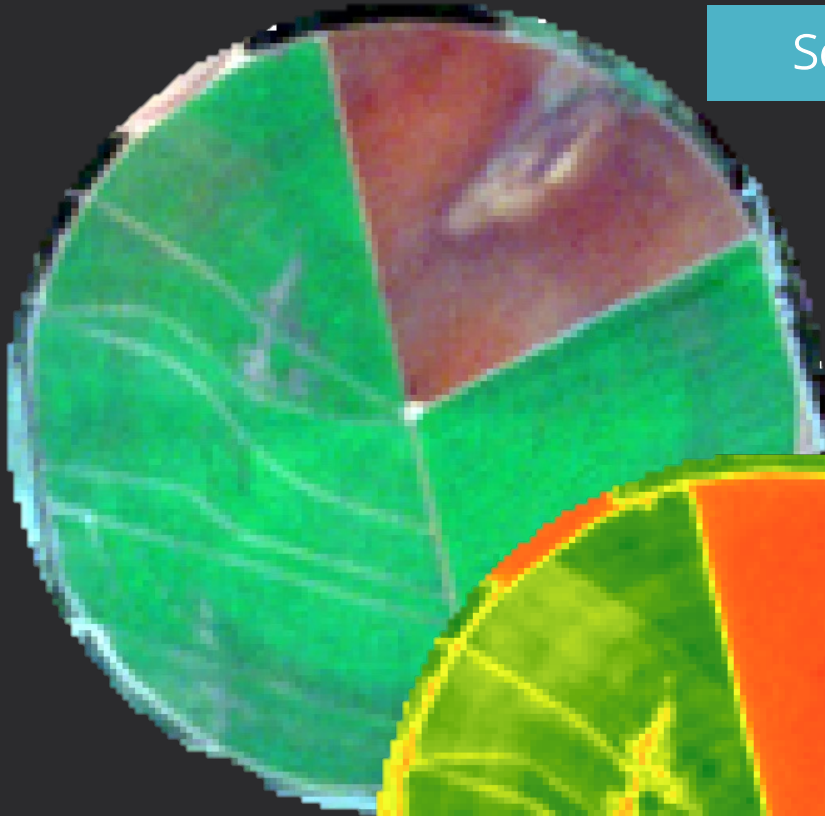


SURVEY123

Satellite imagery-based baseline creation and monitoring

Sentinel-2

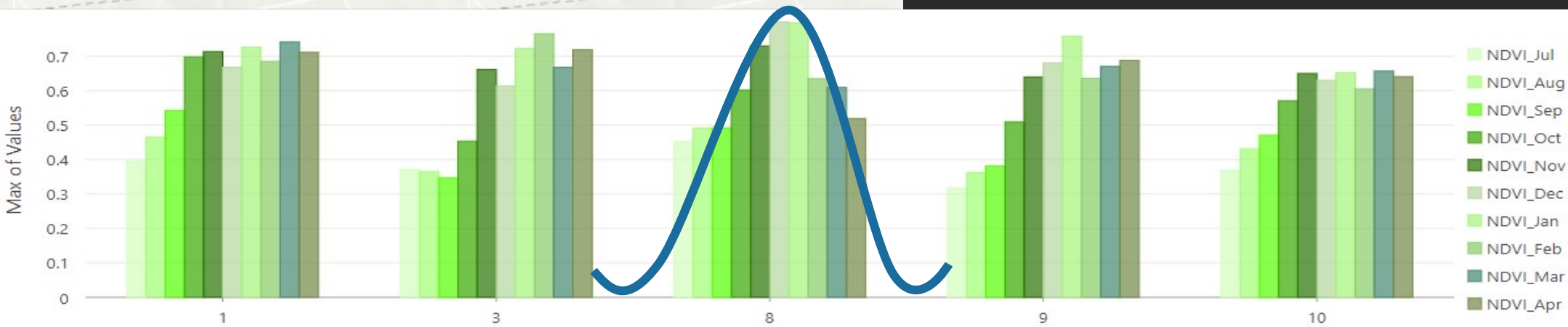
Planet Dove



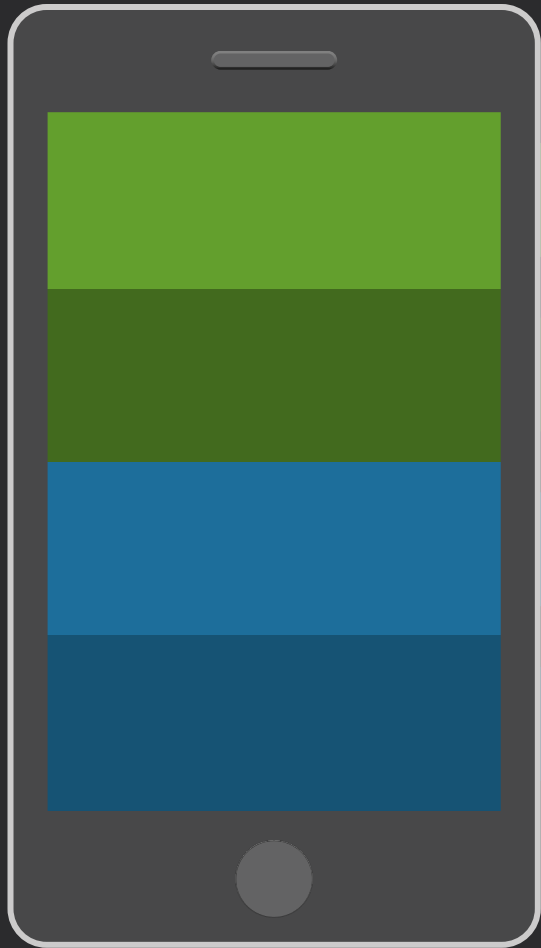
Satellite imagery-based baseline creation and monitoring



Generate the baseline and provide continuous monitoring and analysis for verification and reporting.



Measure, verify and report



User Friendly



Do not need to be a specialist

Responsive



Time it takes to generate the answers

Provide Decision Support



Transparency and validation

Customisable



Creating a partnership

Measure, verify and report

Gauteng Agriculture Dashboard

Total Field Ha

8,319.815 Ha

Field Count

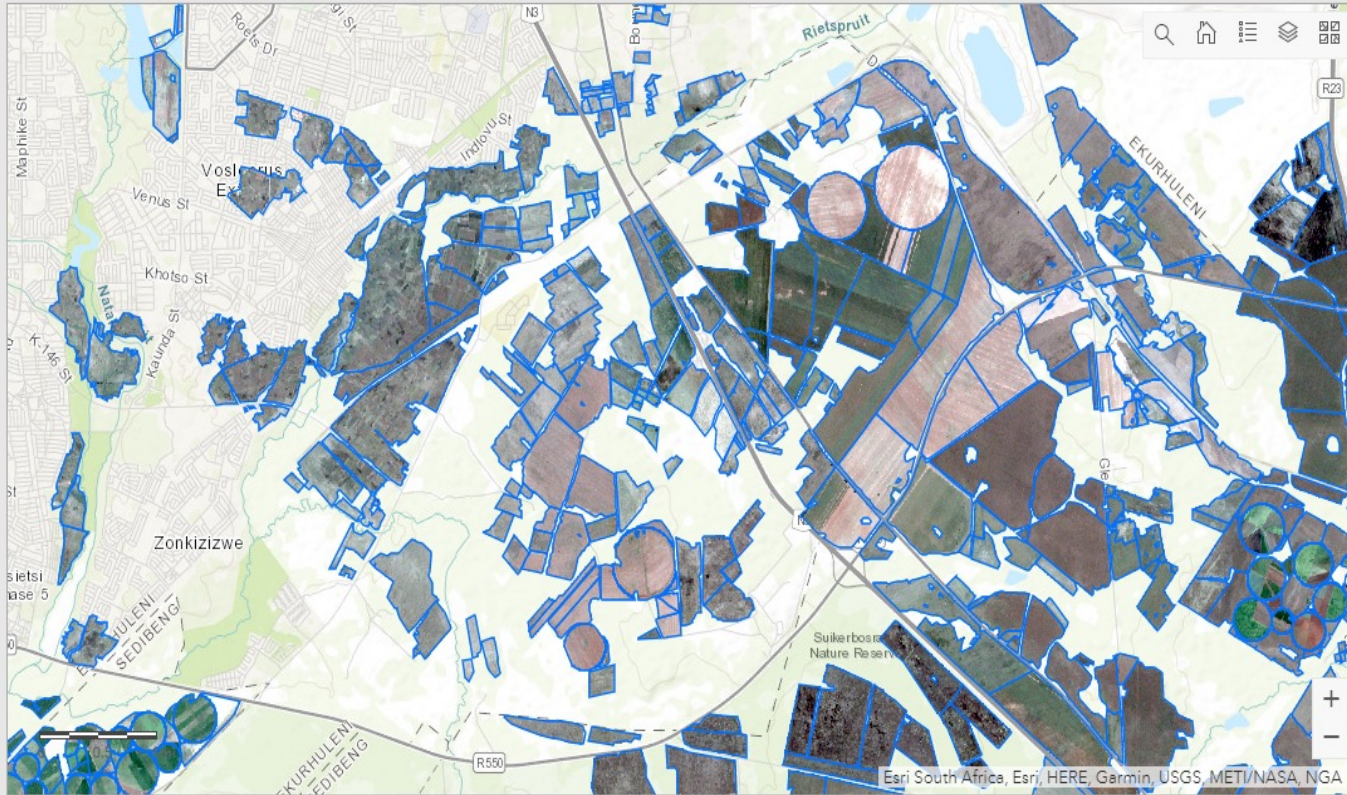
458

210 Crop Up

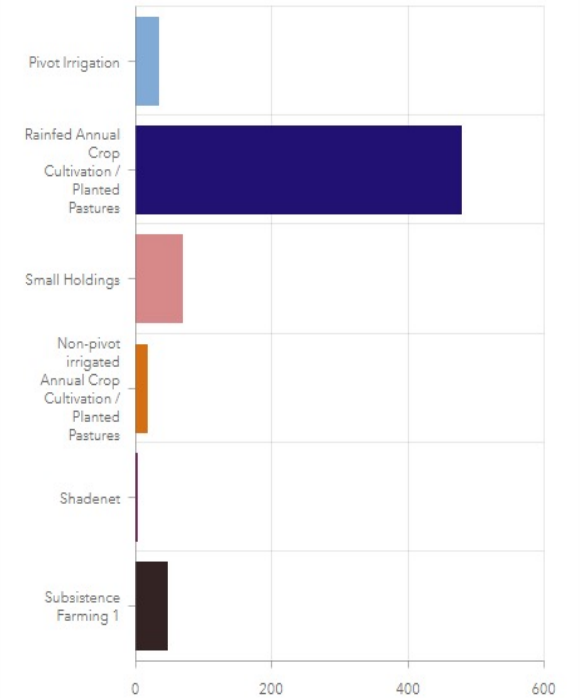
Crop Status



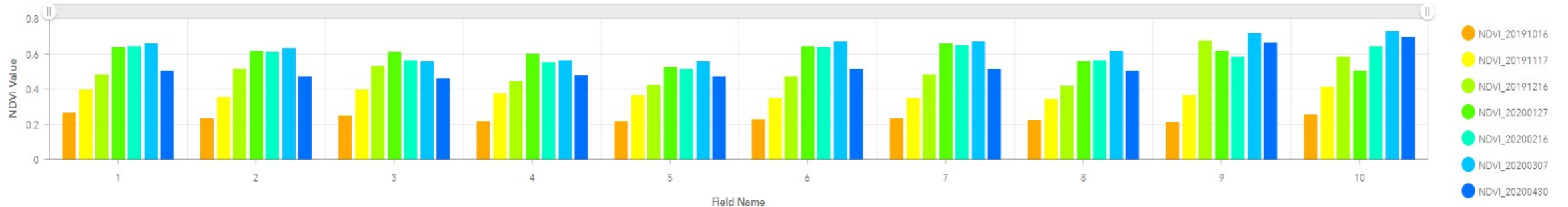
Up 210 Down 248



Field Type



Field Health Tracker



Measure, verify and report

Farm Information

Warehouse : OBUASI B DISTRICT

Farm Code : AS/054/OBB/61-033 Lat : 6.166880 Lon : -1.784338

Warehouse : ASSIN FOSO B DISTRICT

Farm Code : CR/054/AFB/11-012 Lat : 5.450893 Lon : -1.121829

Warehouse : ASSIN FOSO B DISTRICT

Farm Code : CR/054/AFB/11-012 Lat : 5.450965 Lon : -1.123286

Warehouse : ASHANTI BEKWA B DISTRICT

Farm Code : AS/054/4B/26-063 Lat : 6.646865 Lon : -1.436525

Warehouse : NEW EDUBIASE C DISTRICT

Farm Code : AS/054/NEC/50-008 Lat : 6.096666 Lon : -1.244230

Warehouse : NEW EDUBIASE C DISTRICT

Farm Code : AS/054/NEC/50-008 Lat : 6.096770 Lon : -1.246141

Warehouse : WASSA AKROPONG DISTRICT


Farm Disturbance Information


- Date : 18/03/2023, 23:00
- Zone : 500m
- Alert Source : RADD-3
- Lat : 6.48, Long : -2.91


- Date : 18/03/2023, 23:00
- Zone : 500m
- Alert Source : RADD-3
- Lat : 6.48, Long : -2.91


- Date : 18/03/2023, 23:00
- Zone : 500m
- Alert Source : RADD-3
- Lat : 6.37, Long : -2.76

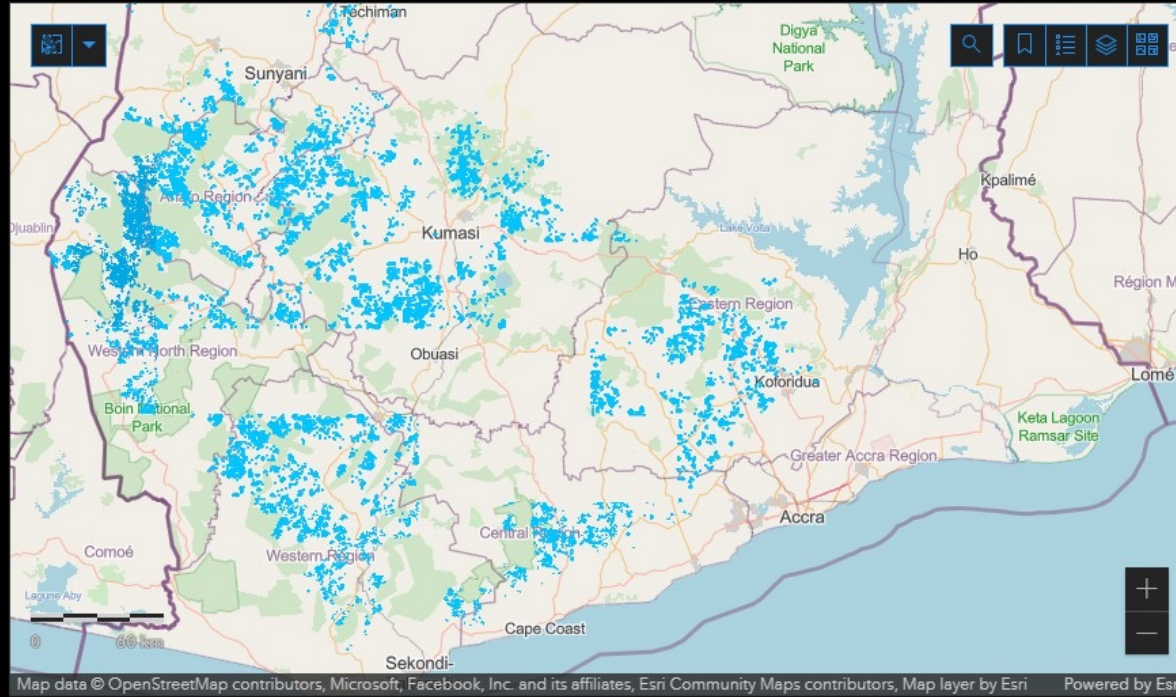
Disturbance Alerts

 Date: 13/03/2022, 01:00
Area: 0.152558 ha
Source: GLAD-L
Farm:
Forest Type:

 Date: 13/03/2022, 01:00
Area: 0.076279 ha
Source: GLAD-L
Farm:
Forest Type:

 Date: 13/03/2022, 01:00
Area: 0.076279 ha
Source: GLAD-L
Farm:
Forest Type:

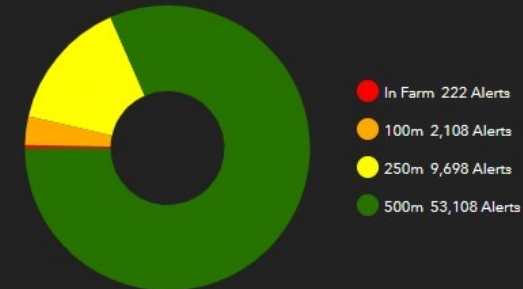
 Date: 13/03/2022, 01:00
Area: 0.076283 ha
Source: GLAD-L



Farms with Alerts

 **222**
7.7 Ha

Disturbance Alerts vs Farm Distance



Disturbance Tracker - Total Area Ha



Disturbance Total Area Ha Disturbance Total Alerts Tree Cover Loss - Area



Thank You

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