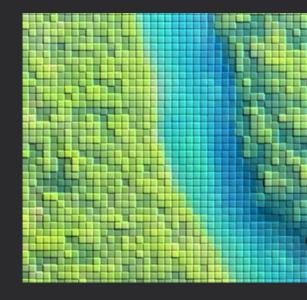
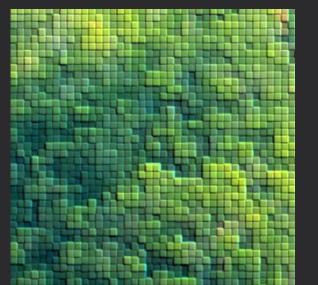
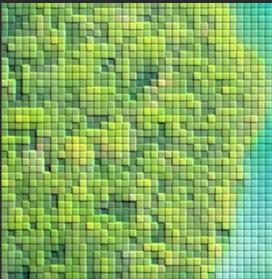


Contents

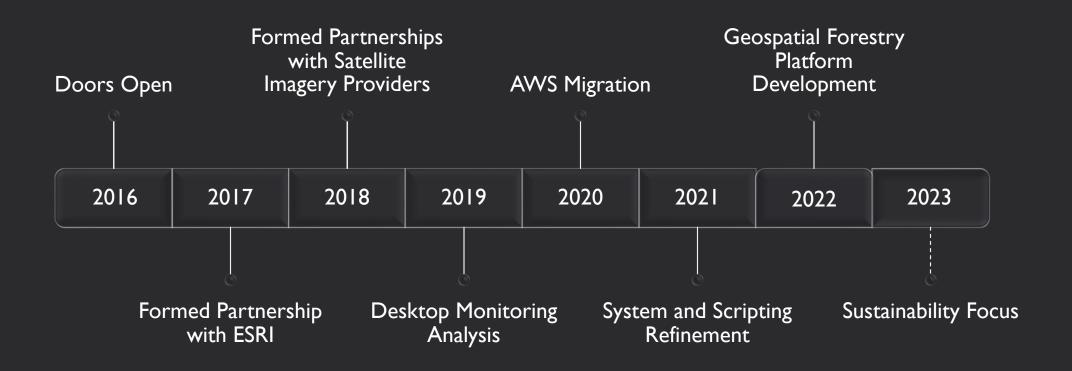
- Swift Geospatial Introduction
- Partner Introduction
 - Hardware, Software & Data
- Satellite Imagery Options
 - What works best (in our opinion)
- > Workflow
 - Putting it all together
- Outputs
 - Results and sharing
- Use Case
 - Barry Callebaut







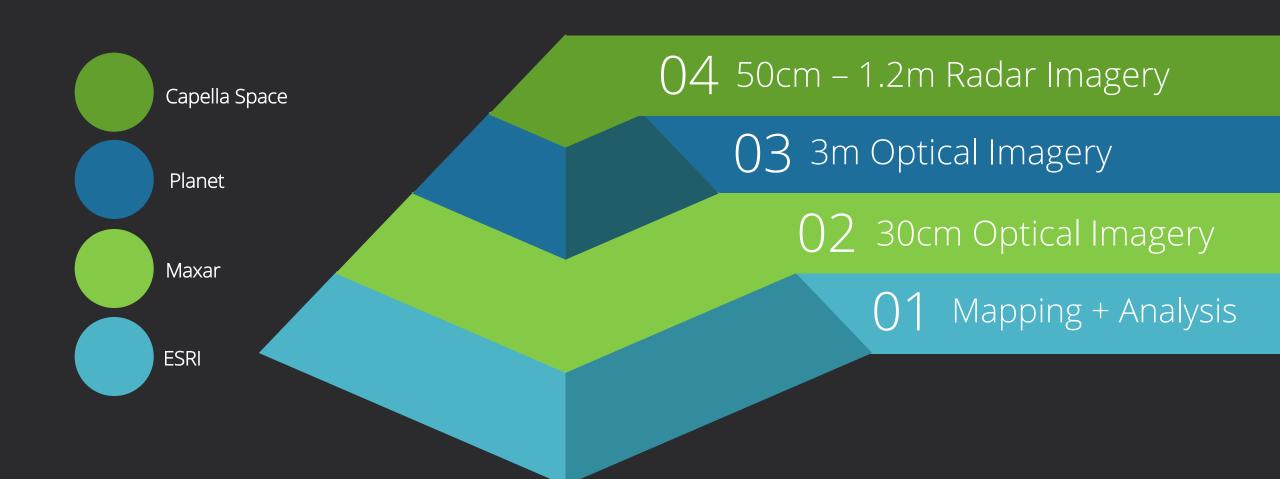
GIS and Remote Sensing Company



GIS and Remote Sensing Company



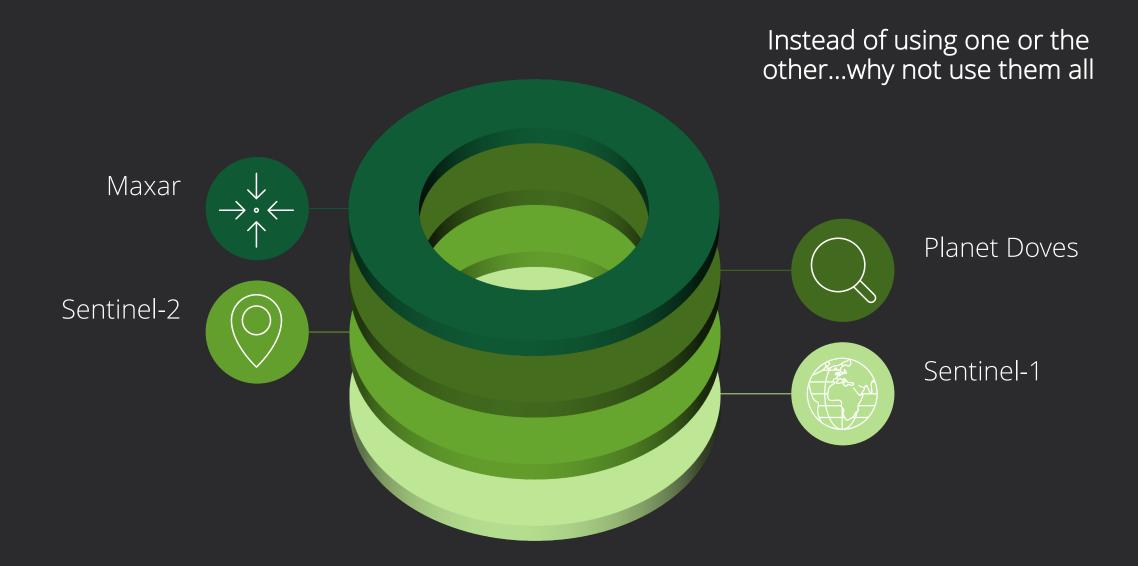
Partners – Data and Technology



Satellite imagery options



Satellite imagery options







1 SPATIAL



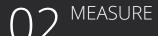




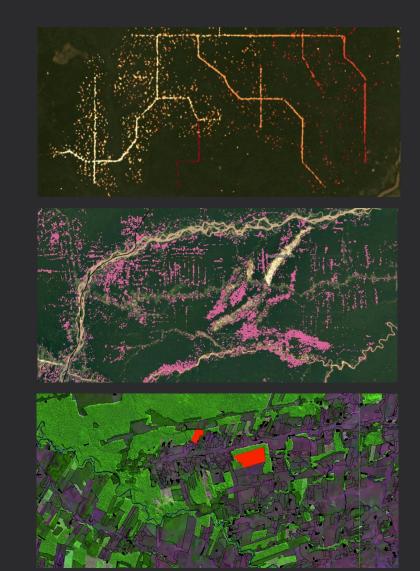


Radar satellite imagery from the European Space Agency's Sentinel-1 mission is used to map new disturbances in primary humid tropical forest at 10 m spatial scale and in near real-time. (RADD)

GLAD uses imagery from NASA's Landsat satellites to automatically flag areas where the forest canopy has been disturbed. (GLAD-L and GLAD-S).

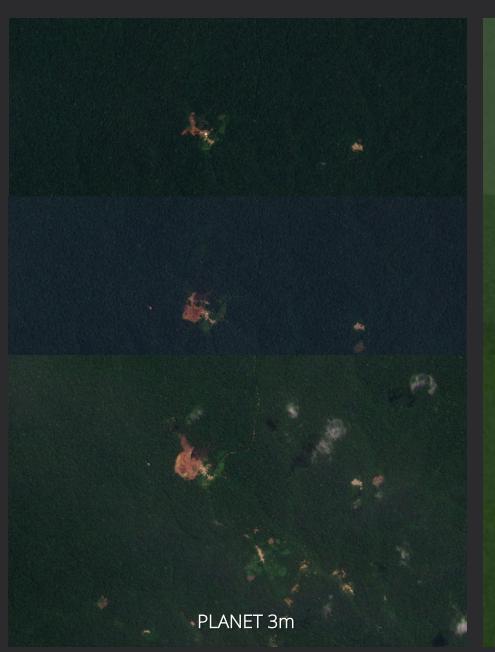


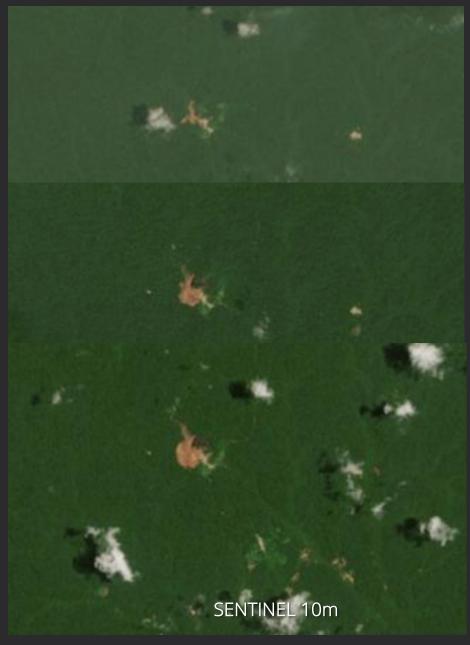
The INPE programs are vital to keep the forest standing. While <u>Prodes</u> generates annual deforestation rates, <u>Deter</u> makes daily alerts to improve monitoring against tree cutting and fires.





02 MEASURE

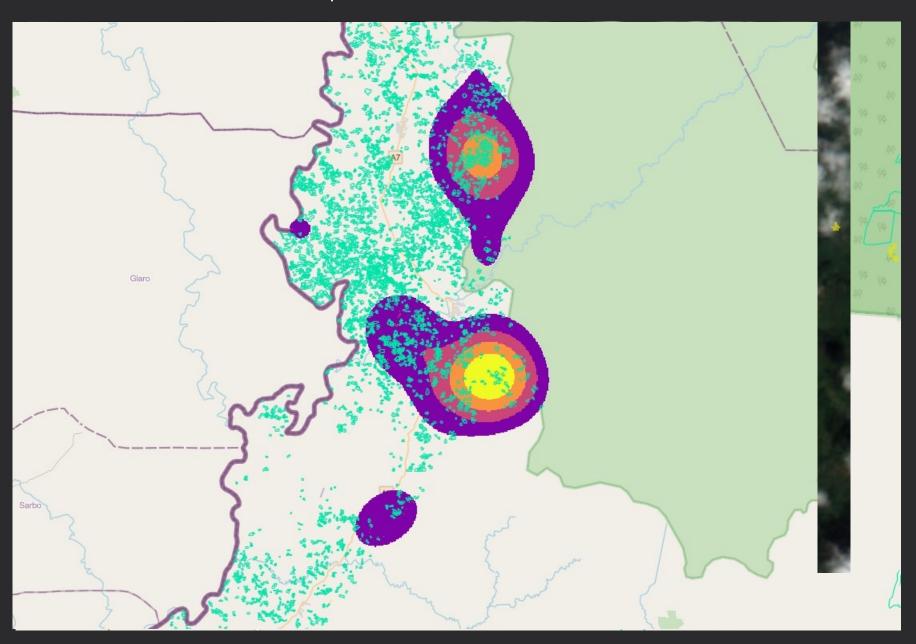




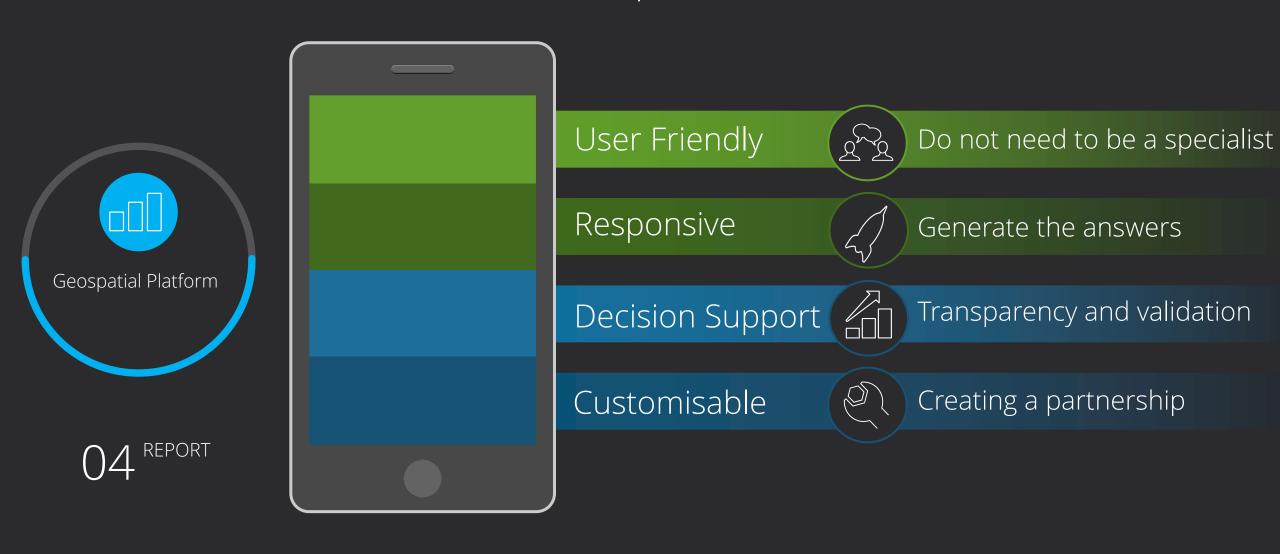
Outputs



03 VERIFY



Outputs

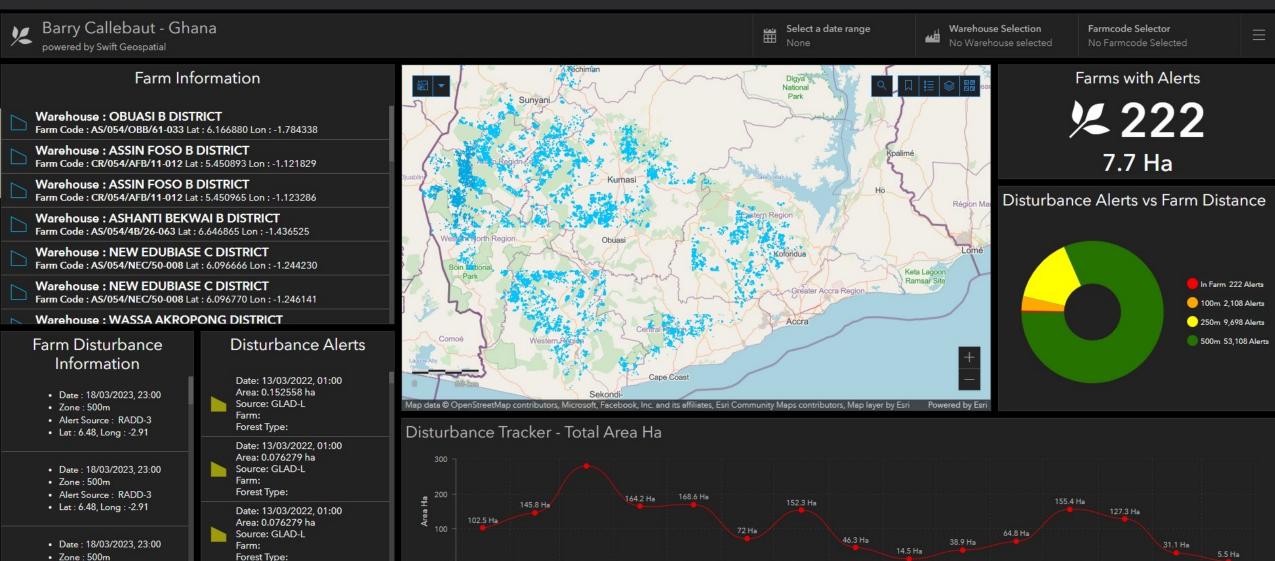


Use case



- Global monitoring application
- Remote sensing
 - 3rd Party
 - Sentinel-2
 - Planet Dove
- ESRI backend
- Cloud processing
- Deforestation detection
 - Not country level but based on field level

Use case



Disturbance Total Alerts

Jul22

Tree Cover Loss - Area

Aug22

Oct22

Dec22

Jan23

Feb23

Mar23

• Alert Source: RADD-3

• Lat: 6.37, Long: -2.76

Date: 13/03/2022, 01:00

Area: 0.076283 ha

Source: GLAD-L

Jan22

Disturbance Total Area Ha

