



GIS in Forestry

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CONTENT

- **History**
 - **Software**
 - **What We Do**
 - **Forest Change Analysis**
 - **Drones**
 - **Future**

HISTORY



SOFTWARES

QGIS



ARCGIS (Online/Pro)



ERDAS IMAGINE



ER MAPPER



RSTUDIO



MapInfo

Drone2Map

WHAT WE DO

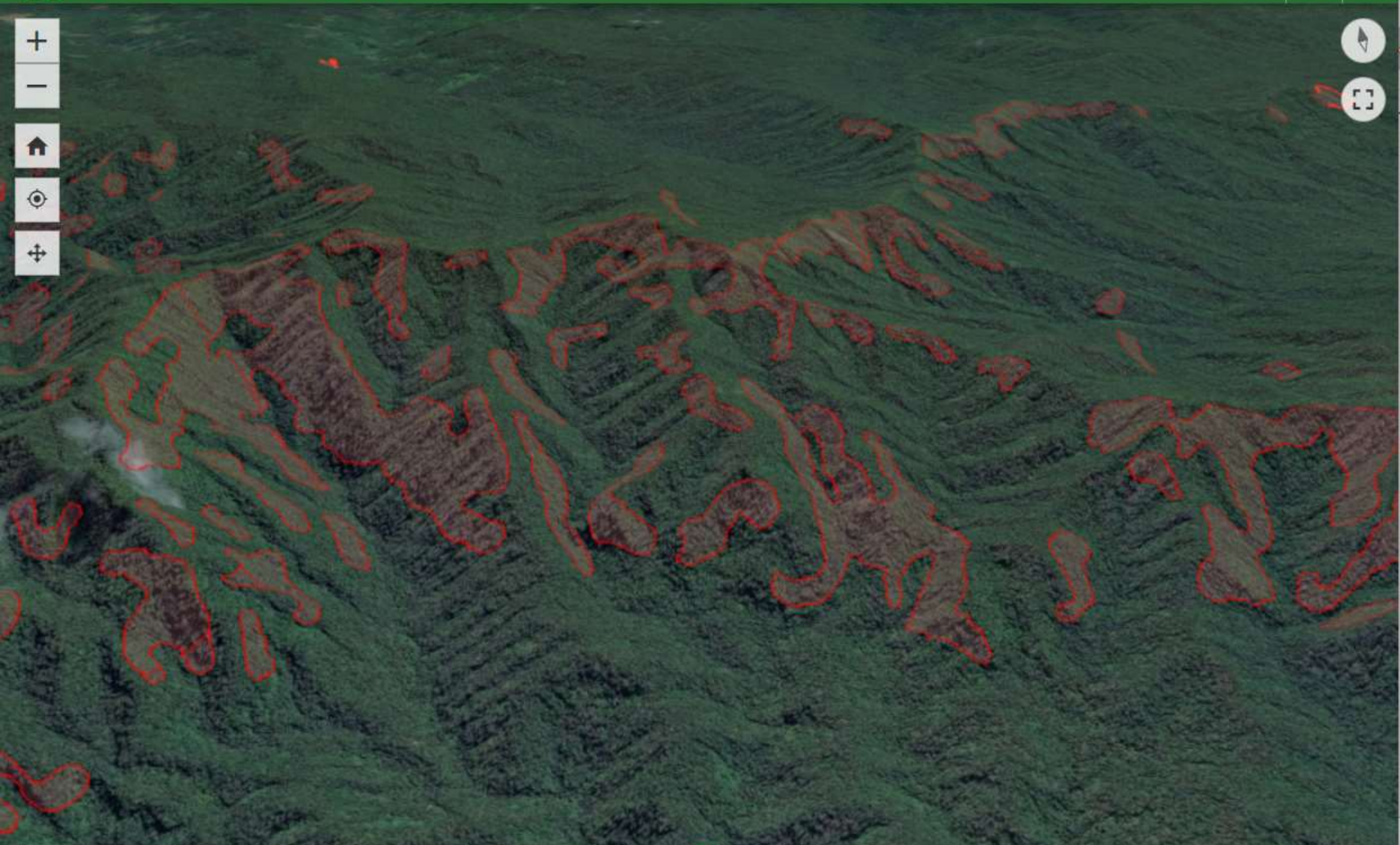
- ❑ REQUESTS
- ❑ WEB MAPS
- ❑ WEB APPS
- ❑ WEB DASHBOARDS
- ❑ FOREST CHANGE ANALYSIS
- ❑ VERIFICATION OF FORESTRY DATA
- ❑ UPDATING OF FORESTRY INFORMATION
- ❑ PLANNING FOR FOREST RESOURCE ASSESSMENT
- ❑ NATIONAL & INTERNATIONAL REPORTING
- ❑ COLLABORATION WITH NGOs
- ❑ RESOURCE MONITORING



177.079 -19.419 Degrees

1:2,311,162





178.737 -16.875 Degrees elev 236.82 Meters eye alt 2.93 Kilometers



Western Division Total

924,535

45,502

Last update: 2 minutes ago

Northern Division Total

809,306

14,620

Last update: 2 minutes ago

Central Eastern Total

581,223

38,123

Last update: 2 minutes ago



By Division



Total Area Planted in >0.5ha

2,509.361 ha

hectares

Last update: 2 minutes ago

Planted trees in <0.5ha areas

98,245

Last update: 2 minutes ago

Planted trees in >0.5ha areas

2,315,064

Last update: 2 minutes ago

Demo - Public Tree Planting Survey

bit.ly/30MT15Y

bit.ly/Our30MT15Y



Protect our Future, Plant a Tree

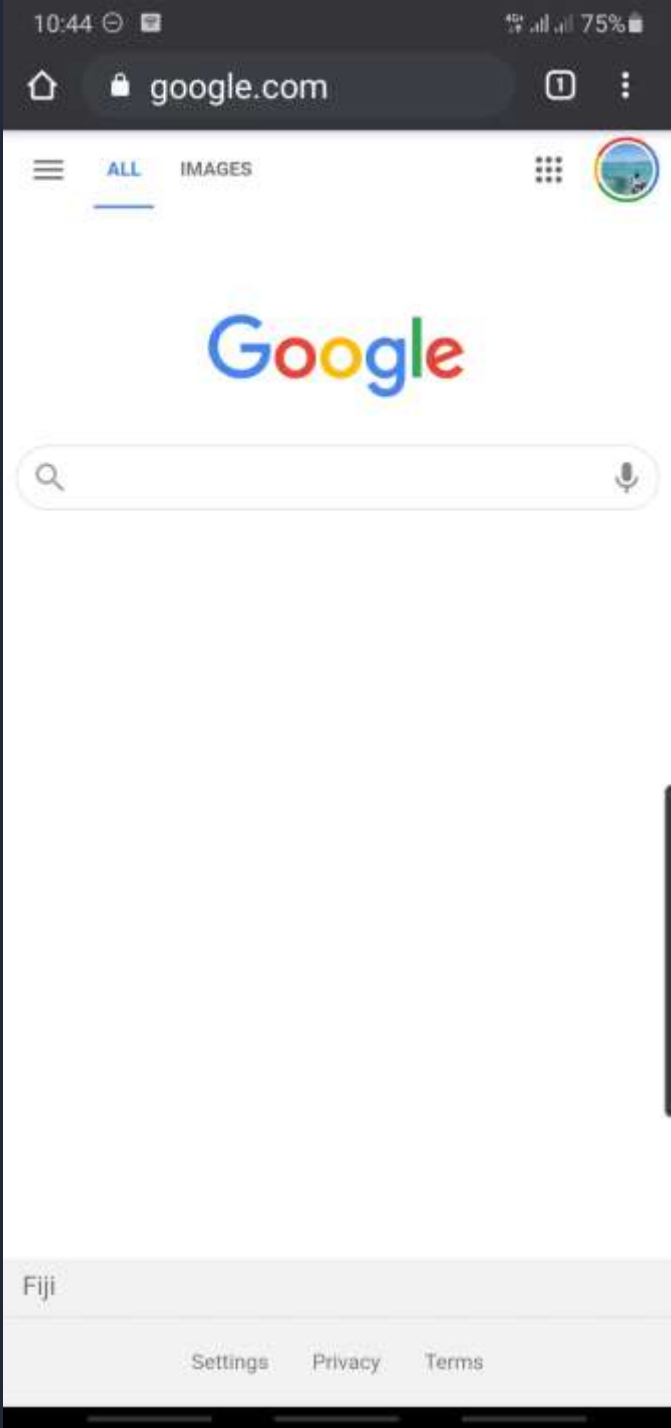
And support the 30 million trees in 15 years initiative

Your contribution counts
- every time you plant a tree,
scan this QR code to let us know -
Link: bit.ly/30MT15Y



Follow us on    and help us trend **#30MT15Y**

For more information contact the Ministry of Forestry on 330 1611 or email forestrycomms@gmail.com



Permanent Forest Estate

(Fiji's Sustainably Managed Forest)

Multiple Use Forest

- Production Forest
- Declared Forest Reserves
- Areas suitable for Regeneration, Enrichment Planting or Reforestation

Forest

Plantations

(Native & Exotic Spp.)

High Conservation Value Forest

- PAC PAs, KBAs, IBAs
- >650 m altitude
- >30 degrees slope
- Cloud Forest, Primary Forest
- Declared Nature Reserves (incl No Go Areas)
- Declared Cultural & Historical Sites
- Recreation Forest
- Mangrove Forests

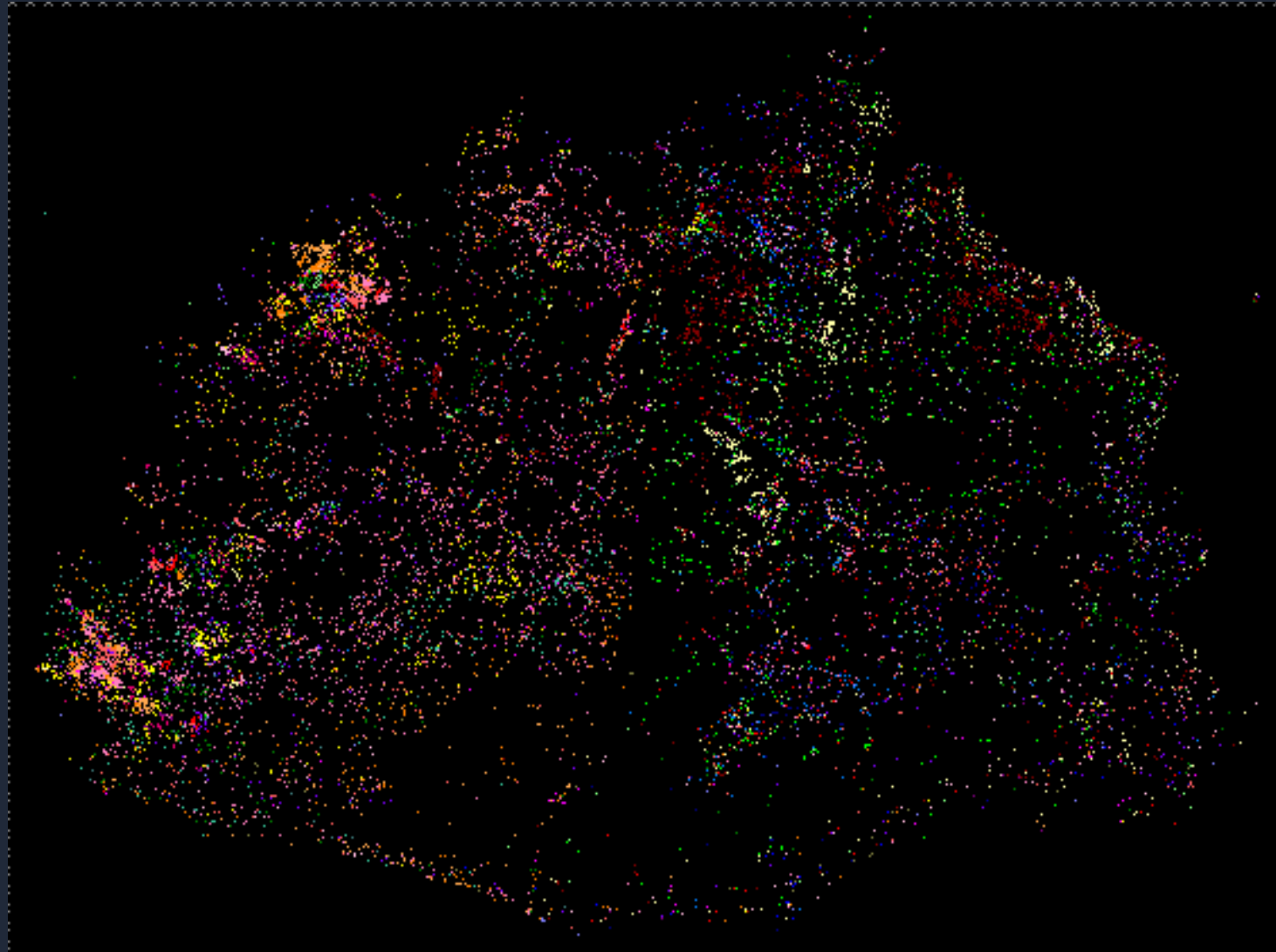


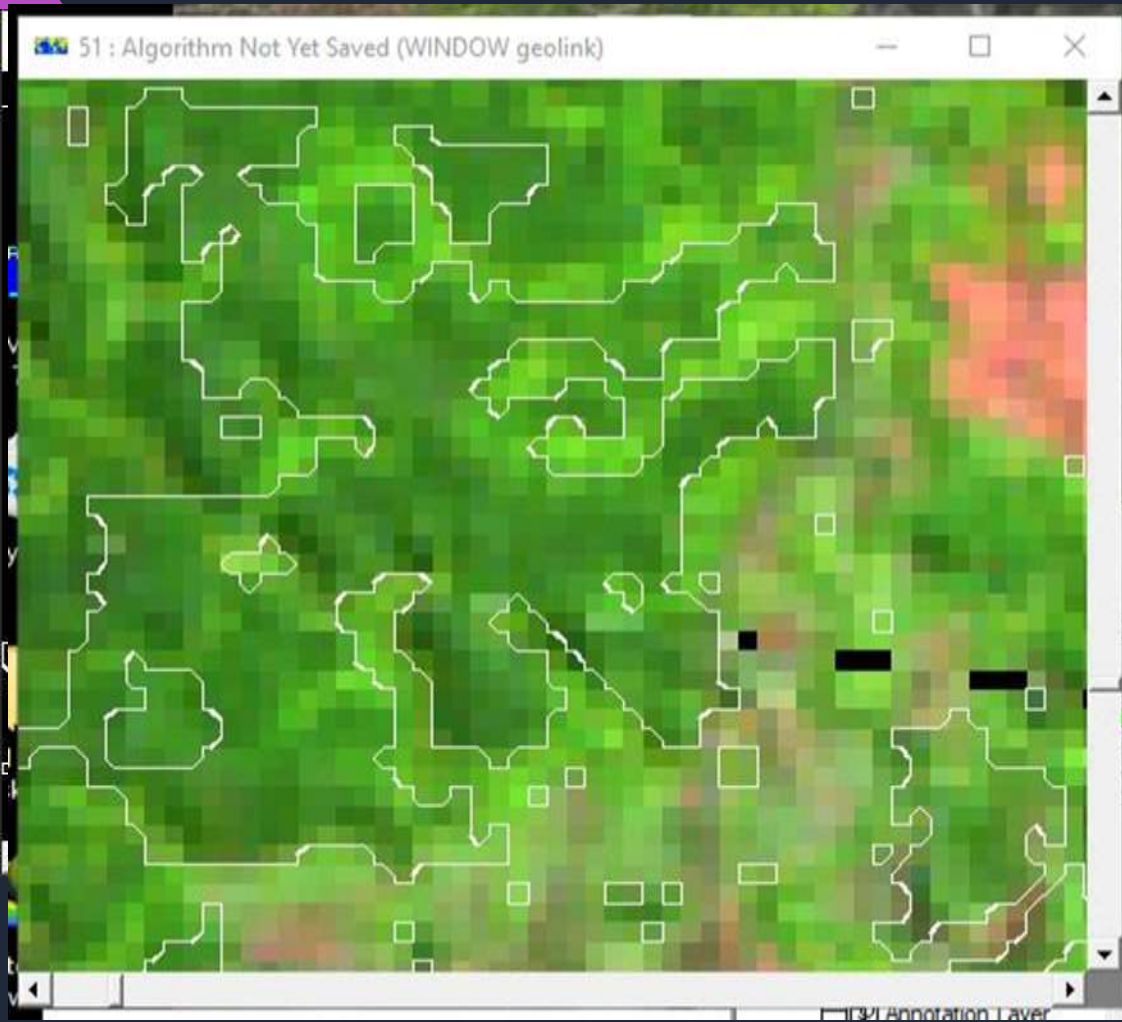
Story Map: Fiji's Forestry Sector – A Geographic Perspective



FOREST CHANGE ANALYSIS

(Forest, Deforestation & Reforestation)





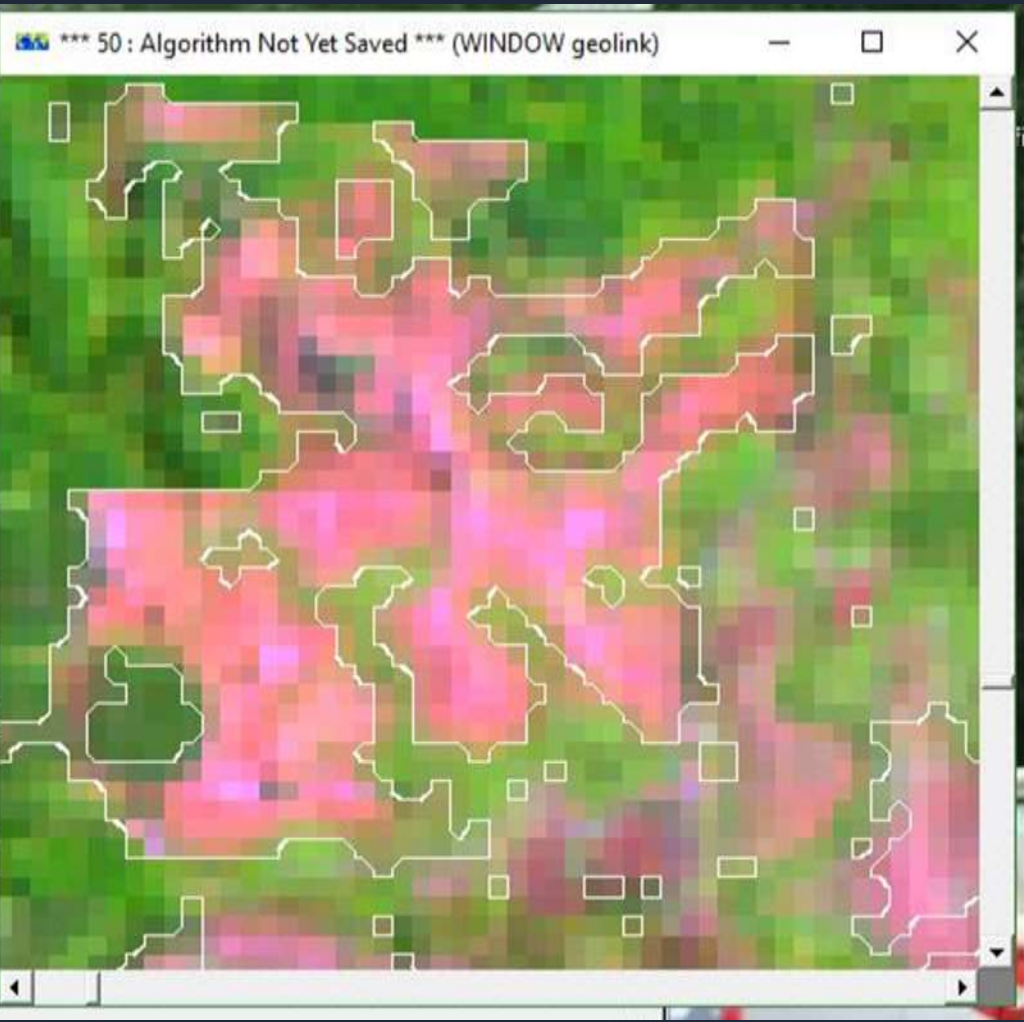
Tools

Surface

VitiLevu

B2:Band 2_

Close



DRONES

- LICENSE
 - Insurance
 - Remote Operators Certificate
 - Flight Log
 - Operations Manual
 - Operations Procedures
 - Emergency Procedures
 - Flight Checklist
- INSURE
- REGISTER
- OPERATE





Future on Drones...



Future...

- Enterprise
 - Server
 - Database
 - Automated Workflows
 - Collaborations



THANK YOU