Sentinel 2 Agriculture

Operational Crop Monitoring System (PICES)

Presenter: Eugene du Preez

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Business Intelligence Enhanced by Spatial Information

Solution

Aircraft

Technology

Statistical Geographic Sampling Frame

PICES Team

Satellite imagery

GiS

Biggest Differentiator

"Remote sensing has evolved into much more than looking at objects with our eyes. It now includes using instruments, which can measure attributes about objects which unaided human eyes can't see or sense"

Human RS Tools VS Machine RS Tools

SiQ
Spatial Intelligence

Biggest Differentiator

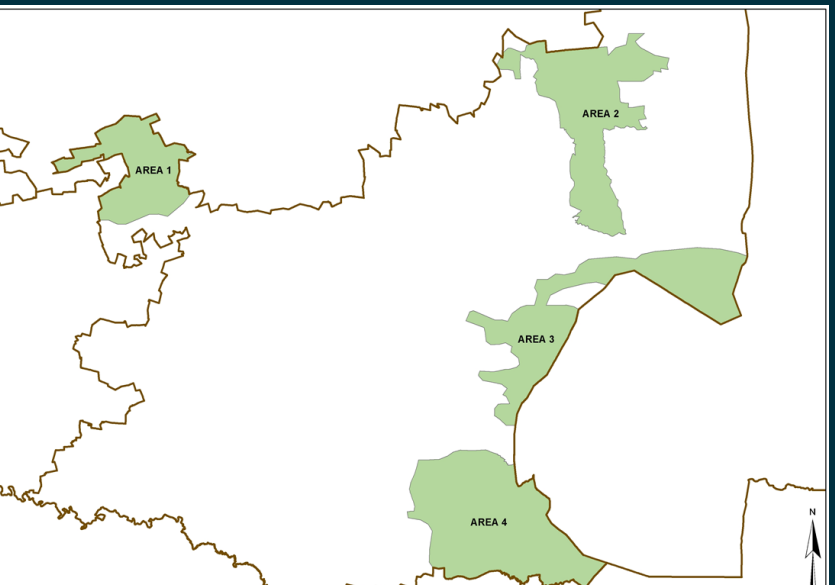
Context

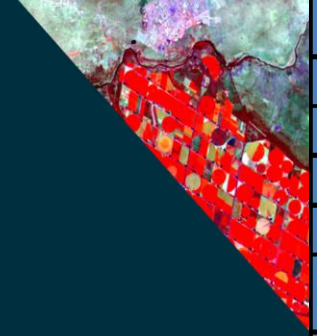
SA Kwazulu Natal

SiQ
Spatial Intelligence

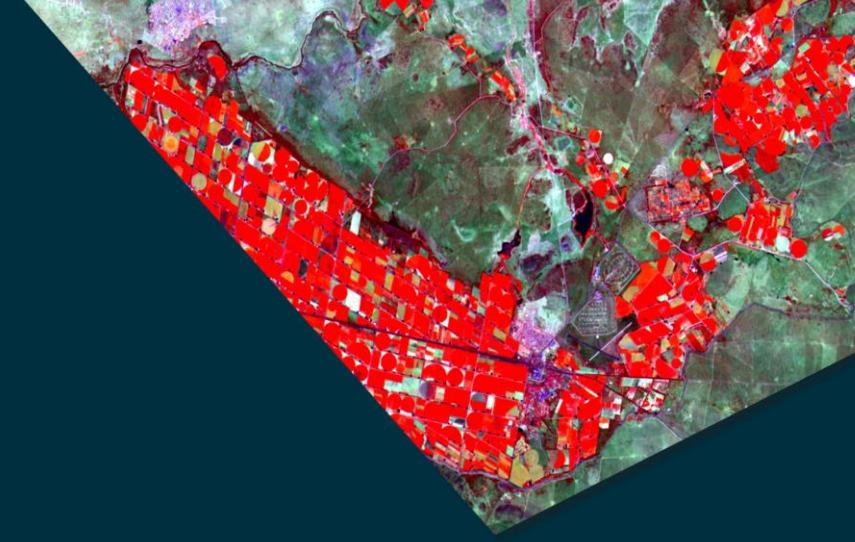
Sentinel 2

- PICES as a means of ground truthing
  - Fast and efficient
  - Wide application (crops, livestock, infrastructure etc)
- LAI
  - Test study Bapsfontein





(herbaceous)
1211 Young Flw
1212 Mid Flw
1213 Old Flw
1214 Fallow
1311 Savannah (shrubs)
1321 Savannah
1411 Natural Forest
1421 Savannah (trees)
1511 Bare soil
1521 Burnt areas
1611 Build-up surface
1711 Water bodies
121 Maïze
132 Rice (rainfed)
141 Sorghum
181 Millet
1811 Eucalyptus
1821 Jatropha
411 Soja Beans
421 Groundnuts
437 Sesame
438 Sunflower
741 Cowpeas
791 Bambara Groundnut
921 Cotton
999 Mixed Culture



thank you

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SiQ
Spatial Intelligence