

# Space Economy: Africa in Focus

*Perspectives from an African SME*

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*Vivianne Meta*

*LocateIT Limited,*

*Nairobi, KENYA*

*<https://locateit.co.ke/>*

*[vivianne.meta@locateit.co.ke](mailto:vivianne.meta@locateit.co.ke)*



# ABOUT LOCATEIT



## The Company

LocateIT Ltd is a Geo-ICT company that offers unmatched cutting-edge space and geomatics products, services and solutions.



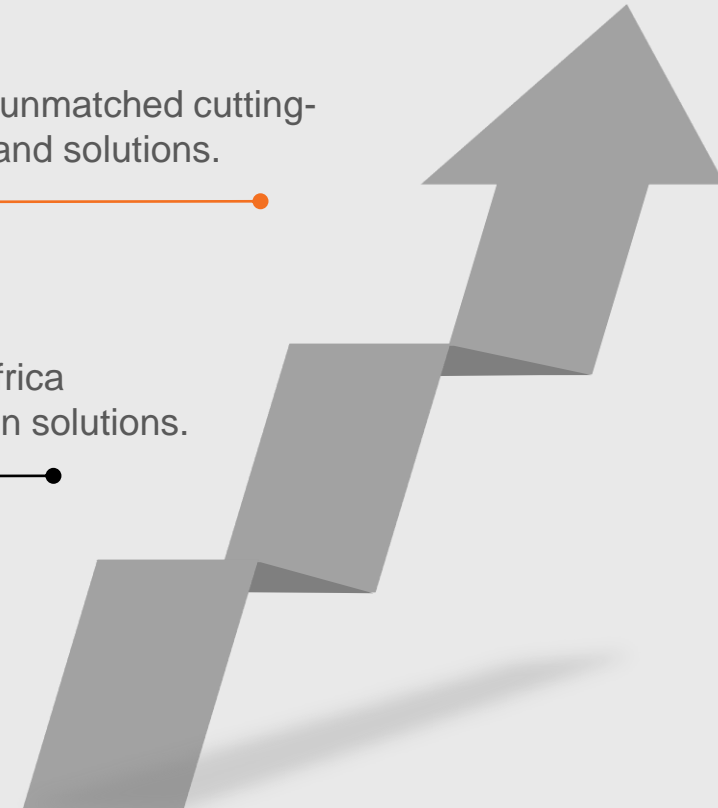
## Mission

to be a premier company that transforms communities in Africa through provision of innovative geospatial technology-driven solutions.



## Vision

to provide highly sophisticated yet simple space technologies and geomatics products and services that positively impact society



## WHAT WE OFFER:

All the Space and  
Geomatics You  
Need . . .

- ❖ Space-driven products & services
- ❖ Geomatics products & services
- ❖ Reseller of High-Resolution Imagery
- ❖ Integrated Geo-ICT solutions
- ❖ Environmental and developmental modelling services  
(*Climate change, REDD+, Land degradation, Suitability modelling for socio-economic planning & development, LULC change mapping & prediction, Early warning systems for food security & disasters, Monitoring & Evaluation services, etc.*)



# The 3is Framework™

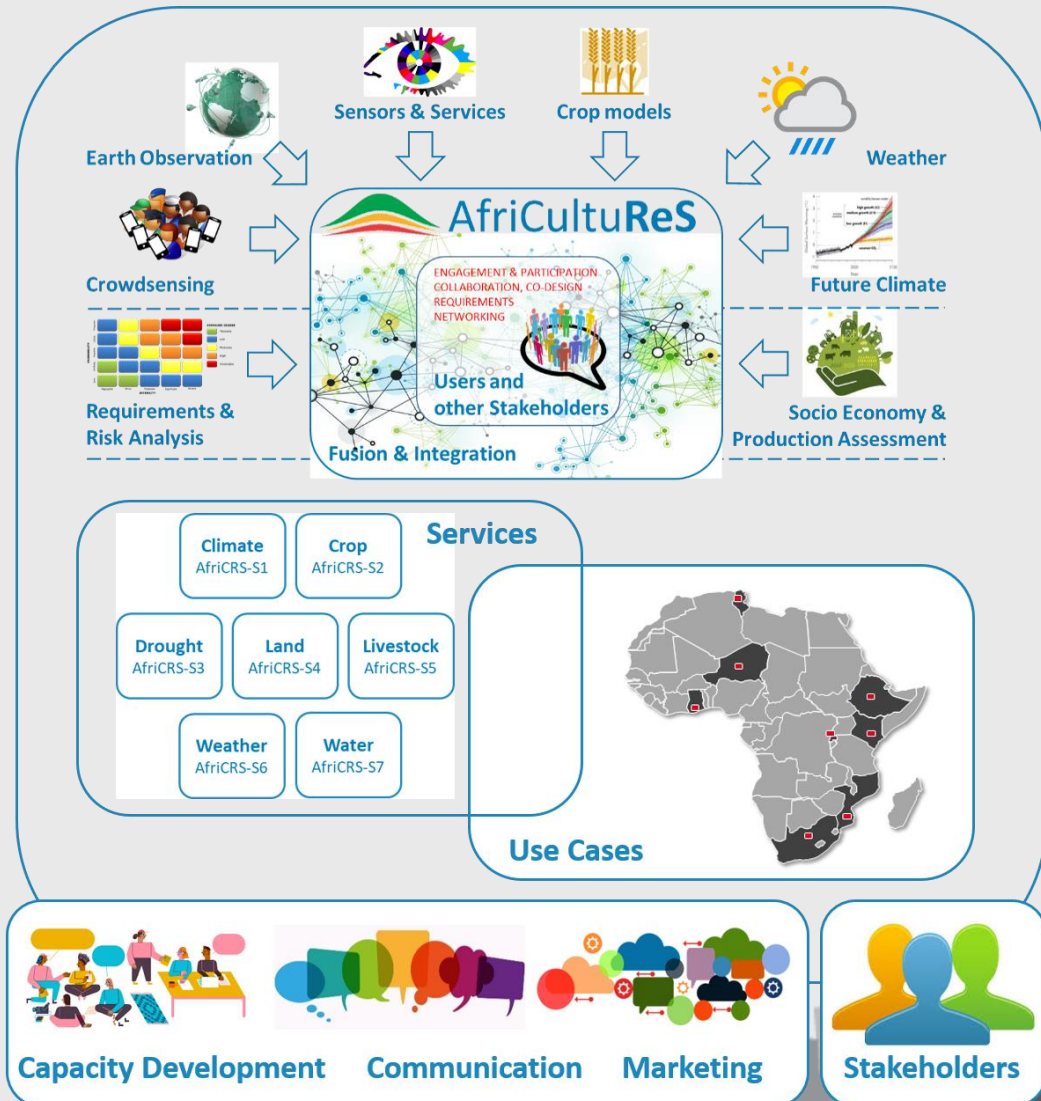


*The 3is Framework is a Trade Mark of LocateIT Limited*



# Enhancing Food Security in African Agricultural Systems with the support of Remote Sensing

<http://africultures.eu/>



## Goals and Objectives

Provide a **Decision Support System** to support improved decision making in the field of food security in Africa

- ❖ *Improve* crop and grassland monitoring and forecasting
- ❖ *Diminish* subjectivity and error in crop area and yield estimates
- ❖ Predict *upcoming threats* through risks assessment
- ❖ Turn *operational* new monitoring & forecasting methods in Africa
- ❖ Deliver a *User friendly services platform*
- ❖ *Build* capacity and leverage awareness raising

# Kenyan Innovation for Low Input Maize Production (KILIMO)

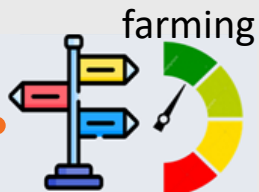


- Earth observation & crop modeling to sustainably support agricultural value chain digitalization

Satellite-derived maps, geo-statistics & crop monitoring to support agricultural authorities



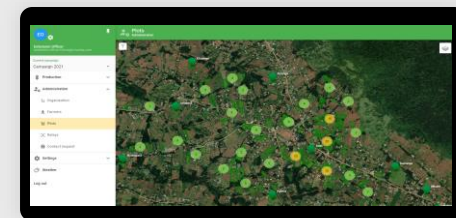
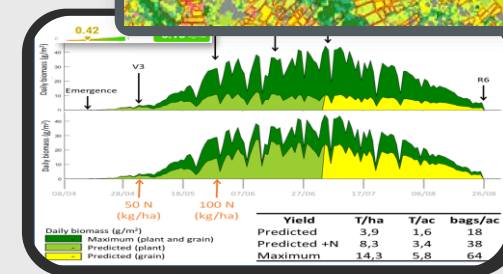
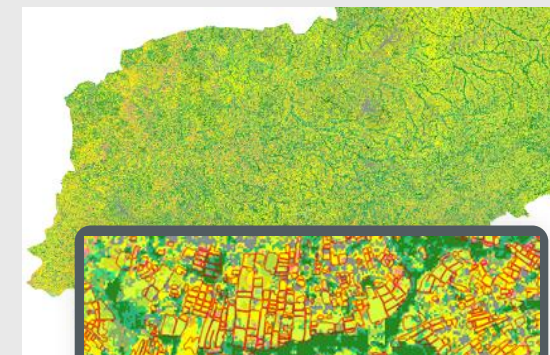
Model-derived soil & crop knowledge within the fields to support efficient & sustainable farming



Integrated digital ecosystem to adapt technology into agricultural management practices for extension officers & farmers

### Objectives

- ❖ Support fertilizer subsidy
- ❖ Promote sustainable agriculture
- ❖ Contribute to Food security

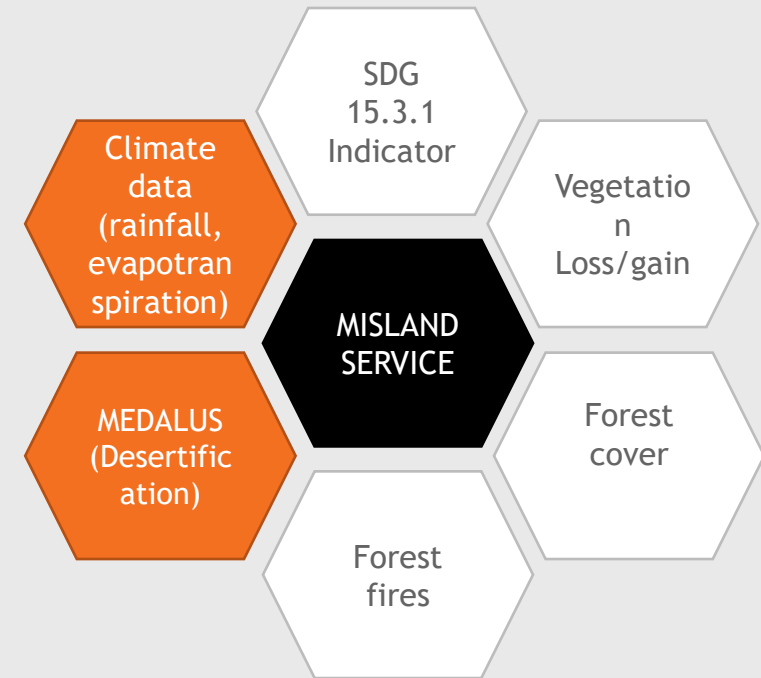
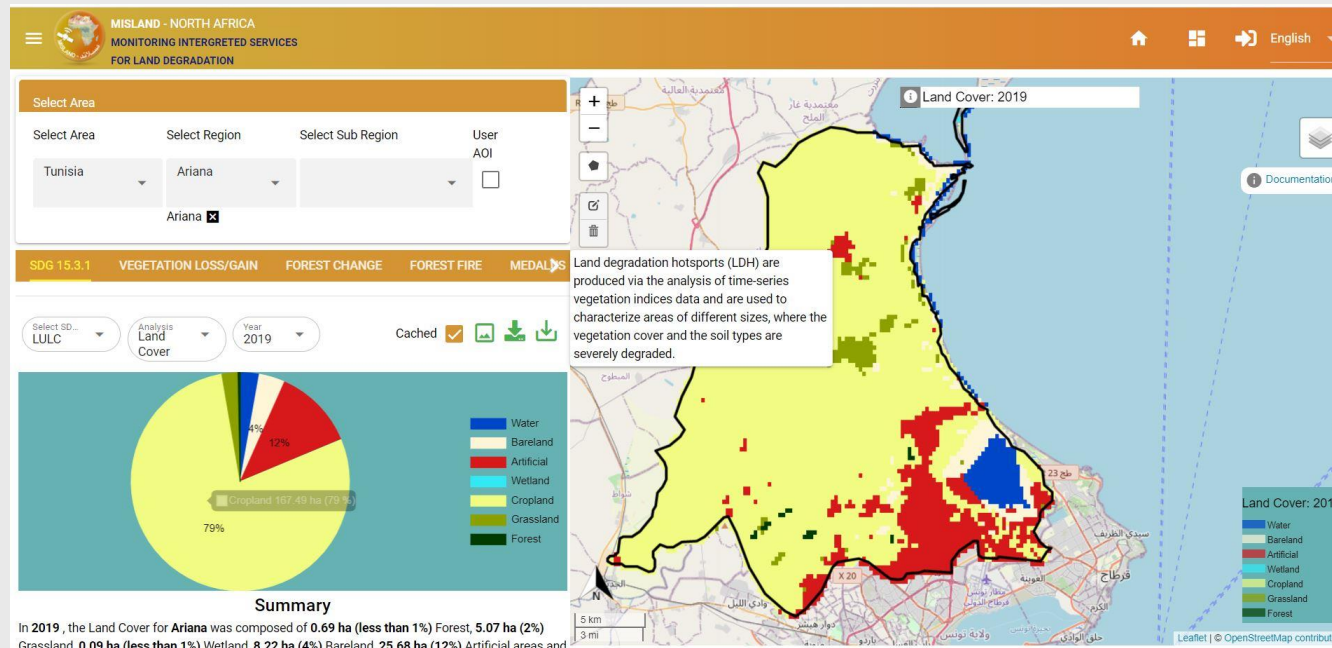


# Monitoring Integrated Service for Land Degradation (MISLAND) in North Africa



**Web-service** and **QGIS plugin** for reporting SDG 15.3.1 (proportion of land that is degraded over total land area)

**Objective:** Deliver **timely information** at **regular frequency** on **land degradation** using **EO data**. Support assessment of **hotspots**, **characterize** the degradation severity, and **trends**



# Survey of Earth Observation and Geospatial & Allied Technologies Private Sector in Africa



## Objectives

- Support the African Space Policy/Strategy
- *Understand the current status, trends, and all-round environment within which the industry operates*
  - ✓ Private sector players
  - ✓ Government institutions/Space Agencies
  - ✓ Academia
  - ✓ Communities of practice/professional associations
  - ✓ International organizations

	Count
Countries	Over 36
Private companies	Over 150
Government Institutions	43
Academic Institutions/Universities	57
Communities of Practice / Associations	13
International organizations / NGOs	19





# Insights on building commercial activities in Africa now and in the future

- ❑ Provision of Innovative solutions
- ❑ Sustainable Partnerships
- ❑ Invest in Research and Development for private-sector
- ❑ Share success stories of African innovation
- ❑ Linking Space to user needs
- ❑ Data is the new capital and common good
- ❑ Creating value for non-space actors
- ❑ Quantify Economic Benefits of Space
- ❑ Democratization of space



# “Leaving No one Behind, *Space Is The Way...*”

Steering in the promise of Agenda 2030 where the UN envisions to leave no one behind, really, the future is bright and space, is the way to go, and leveraging on private sector partnerships for innovation will be key to creating the sustainability of the space economy in Africa

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