

# **Think Tank Discussion**

**27 Oct 2016**

**Moderator**

# Topics

- Group 1 - What are the big challenges for Agriculture in African context?
- Group 2 - What tools are used for agri using satellite / remote data collection (known and wish list)?
- Group 3 - Which are the Data sets that we would like to use (existing or not)?
- Group 4 - What are the practical , technical, policy, implementation obstacles to Location aspects/Geotechnologies for Agriculture?

# Participants

- Solomon Karani
- Kelvin Mugambi
- Vivianne Meta
- Oluropo Ogundipe
- Charles Kamotho
- Roselyn Mburu
- Simon Kimenju
- Nombuyiselo Murage

# Tools

- Desktop Applications
- Web Applications
- Cloud base Application
- Mobile Applications
- GPS/ GNSS
- Remote Sensing
- Data Collection
- Hardwares
- Arcgis, Qgis
- EDRAS
- R
- MadCat
- eCognition
- Idrisi
- Google Earth
- Mircostation / Terasolid (Lidar)
- UVAs
- ENVi
- Trimble

# Key research issues and trends

## Trends:

- Mobile Applications
- Data Compatibility/ Systems Integration
- End User Applications (USSD)
- Educational Institutes

## Issues:

- Data Inaccessibility
- Capacity Building.
- Prices

# Key Opportunities

- System Integration
- Automation
- Benefits End Users
  
- Wish lists
- Infrastructure

# Mid term (3-5 year) challenges

- Pricing
- Capacity – Training
- Extension Services
- Lack of infrastructure

# Possible solutions to midterm challenges

- Need for Refresher courses
- Developing more open source software
- Free programs and workshops



# Long term (10 year) research challenges

- Outdated software
- Lack of govt planning
- Funding towards research towards open source software development
- Increase impacts of climate change

# Possible solutions to long term challenges

Identify at least three key  
research questions for  
discussion