

FAO DIGITAL SYSTEMS AND PLATFORMS

- 1. The Kenya Integrated Agricultural Management Information System (KIAMIS)
- 2. Digital National Land Management Information Systems (NLMIS)
- 3. Monitoring Land and Water Productivity (WaPOR) using Remote Sensing
- 4. Youth Digital Engagement and Community
- 5. Agricultural Data for development & Digital Innovation and Use Cases for impact: Digital for Rural Access to Finance & Market and Digital Villages Initiative (DVI)



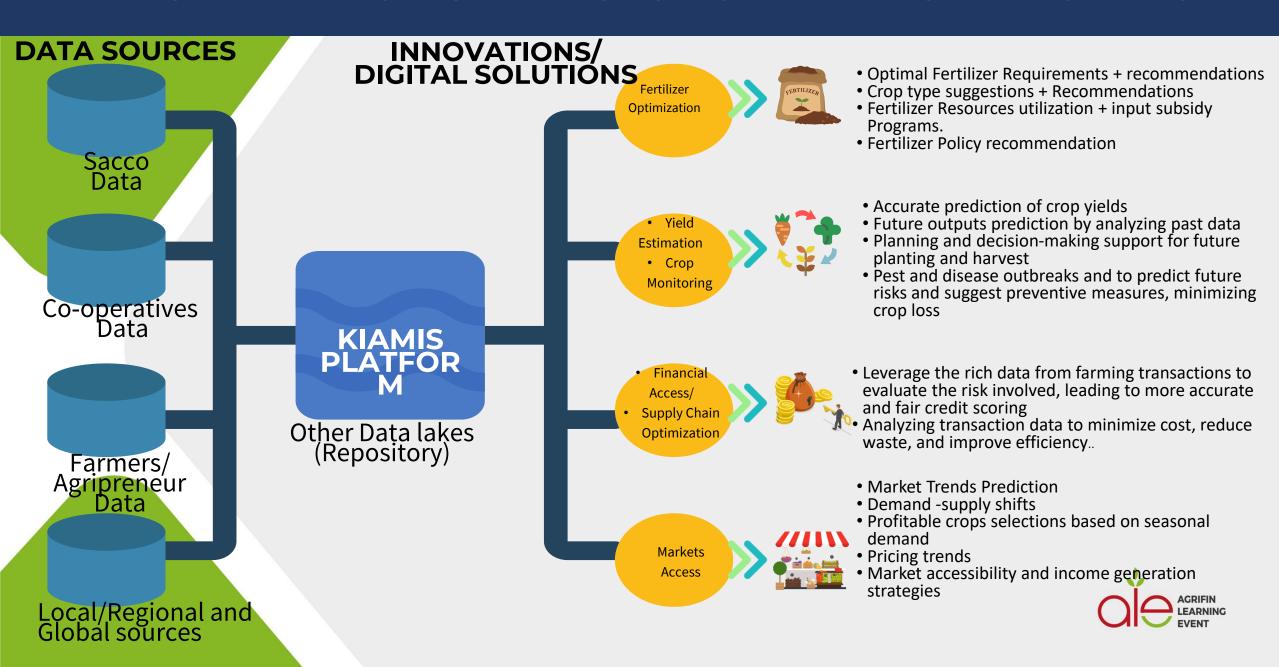


DIGITIZNG + GEO-REFERENCING FARMERS + FARM -6M+

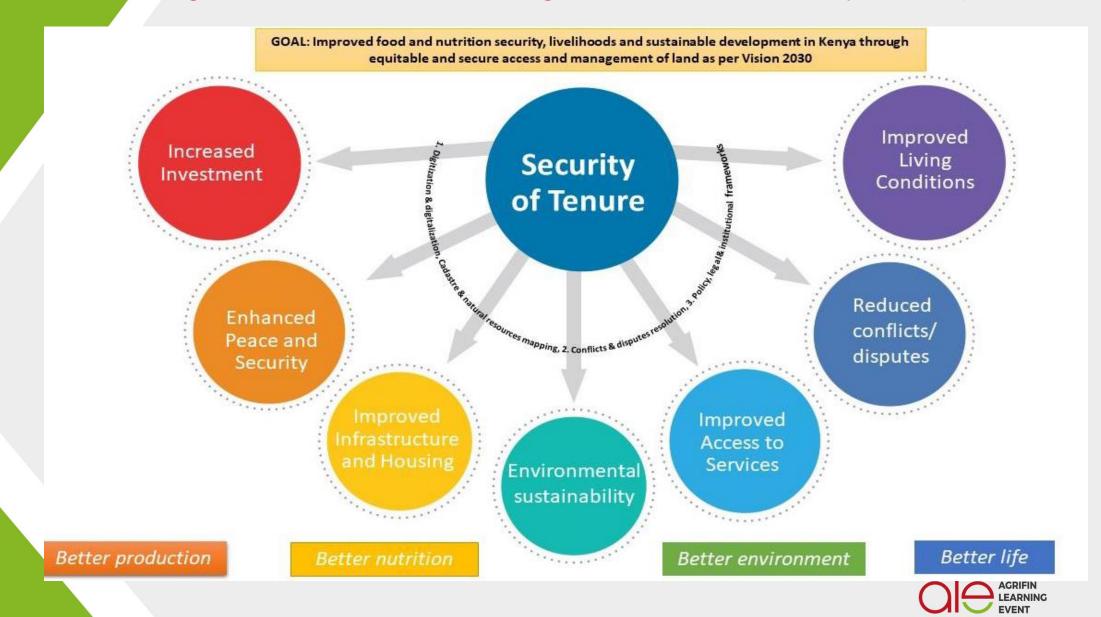


Profiling farmers and mapping farm details including Geolocation and farm size

KIAMIS: LEVERAGING TRANSACTION DATA FOR INNOVATION



Digital National Land Management Information Systems (NLMIS)



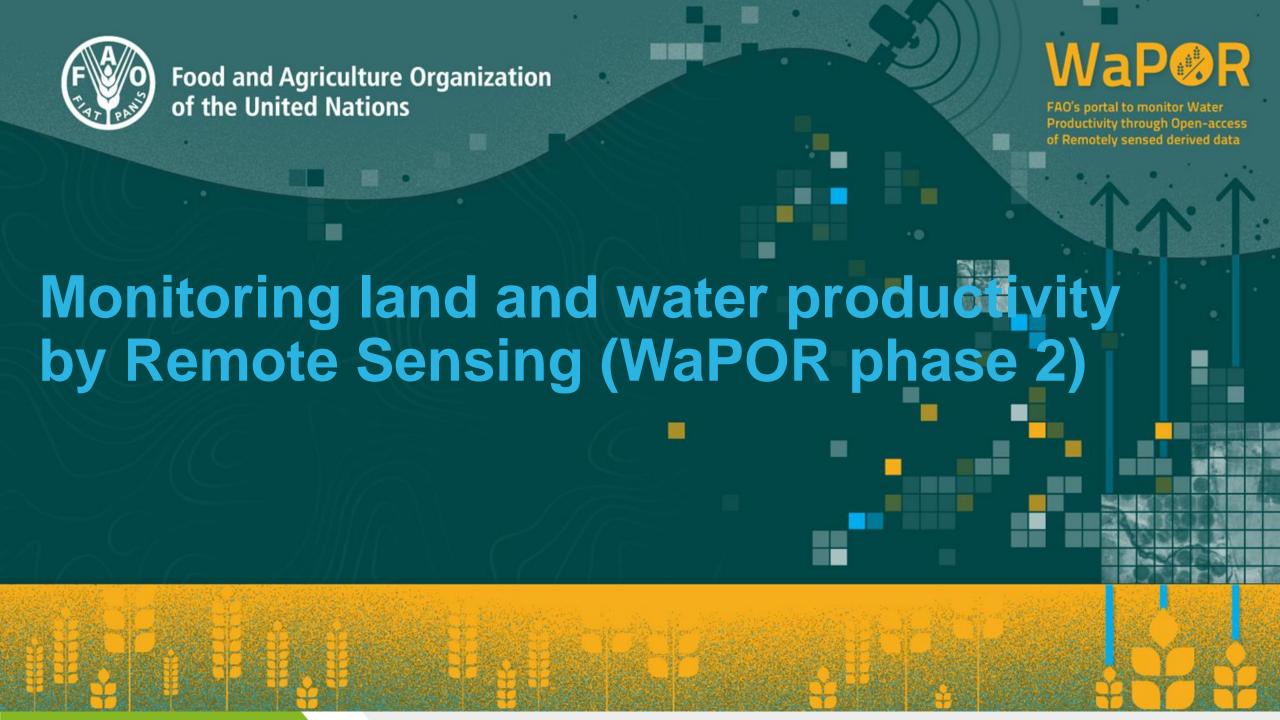


WELCOME TO

AFRICAN YOUTH AGRIPRENEURS

Today he is a farmer who uses his background in IT to run a successful agribusiness near Nairobi.









- Near real time database using satellite data monitoring of agricultural water productivity at different scales
- Every 10 days data on biomass development and water consumption (actual evapotranspiration), agro-climatic parameters on a daily basis.

Spatial résolution 250m 100m

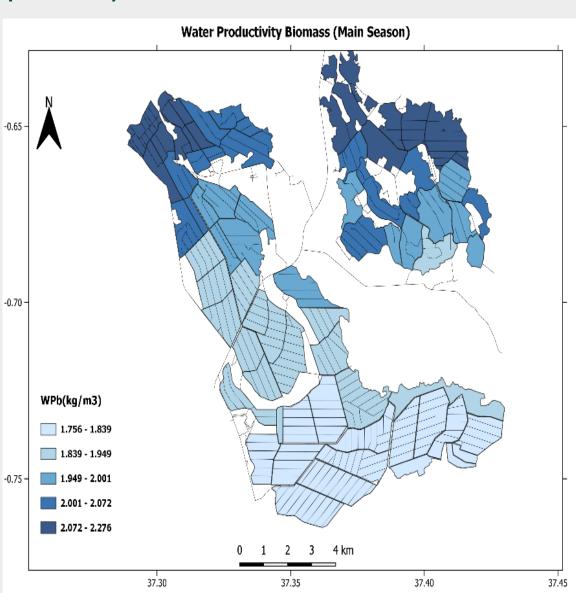




Applications (Kenya)

Mwea IS; Water productivity biomass = (AGBM/AETI)

- Plant Village Nuru app: WaPOR data for Farmer advisory and FAW risk context
- Water Productivity analysis for the Mwea Irrigation Scheme for Irrigation Management Monitoring
- Water Productivity analysis combined with Insitu Soil moisture sensors in Galana Kulalu food Security project



Building a water and food secure future where no one is left behind



wapor.apps.fao.org

wapor@fao.org

www.fao.org/in-action/remote-sensing-for-waterproductivity



Agricultural Data for development & Digital Innovation and Use Cases for impact: Digital for Rural Access to Finance & Market and Digital Villages Initiative (DVI)

It supports innovative engagement in agriculture by youth and women, increased productivity, market access, resilience and enhanced rural socioeconomic well-being.





Contribution to Financing Climate Change Adaptations

- Digital platform contribute to reducing GHG emissions (low-carbon initiatives, encourages energy efficiency, renewable energy- can lead to carbon credit financing
- Adoption of digital platform can help reduce the vulnerability of farmers and natural systems to the impacts of climate change- provide data to de-risk and credit scoring
- Enhance mitigation and adaptation to climate leading to profitability and income





Thank You!