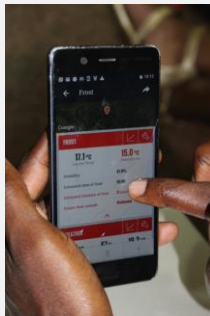




Remote-Farm Logs Model



Enabling poor rural people to overcome poverty



**SENSORS & ICT TO THE EXTENSION WORKER -
EARLY WARNING, ADAPTATION & RESILIENCE**





Monitor – Plan - Manage

- Monitor your farm – Sensors & ICT
- Make informed decision – Extension work & Farmer
 - When Should I plant?
 - What Should I Plant?
- Reduce farm inputs wastage – Pesticides, Irrigation
 - Minimum irrigation needed due to detected soil water content
- Reduce the cost of production



Monitor



1 Install Sensors or source environmental data based on farmer's needs

2 Build local capacity – AEAS Actors



3 Create Information & Package to meet specific audience

4 Build local capacity – AEAS Actors

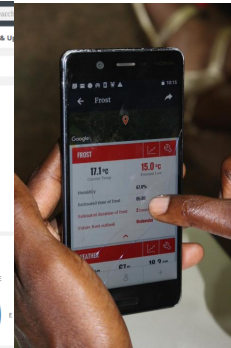
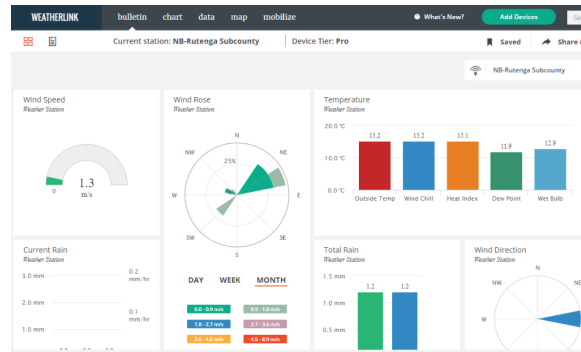
Plan-**Manage**

Farm Logs -> **Early Warning**, **Adaptation** & **Resilience**

Science & ICT



AEAS



- Monitor you farm – Sensors & ICT
- Make informed decision – Extension work & Farmer
- Reduce farm inputs wastage – Pesticides, Irrigation
- Reduce the cost of production



AEAS



AEAS

What and when to plant?



When and how much pesticide?



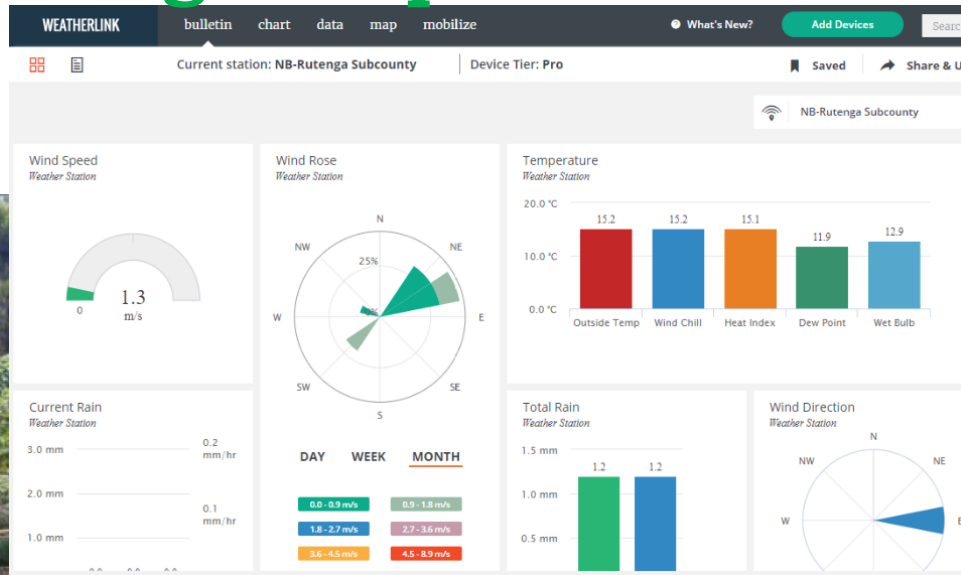
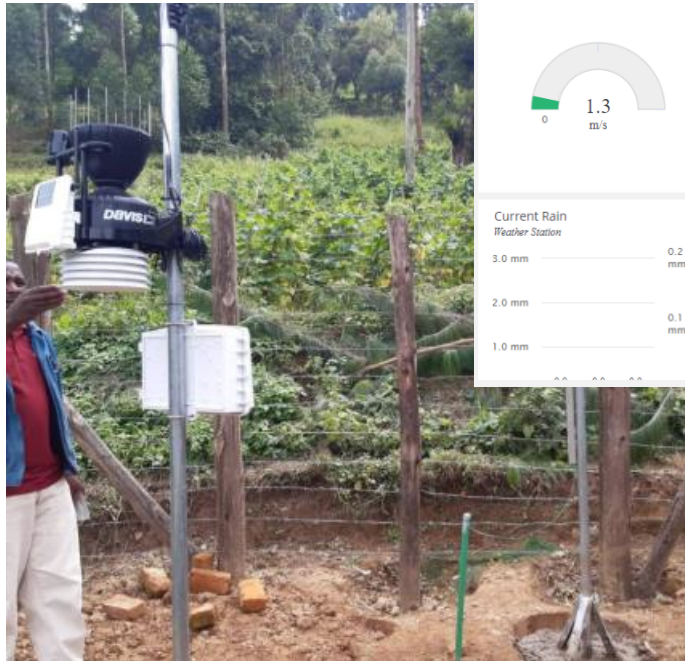
How much or how long to irrigate?

Good yield

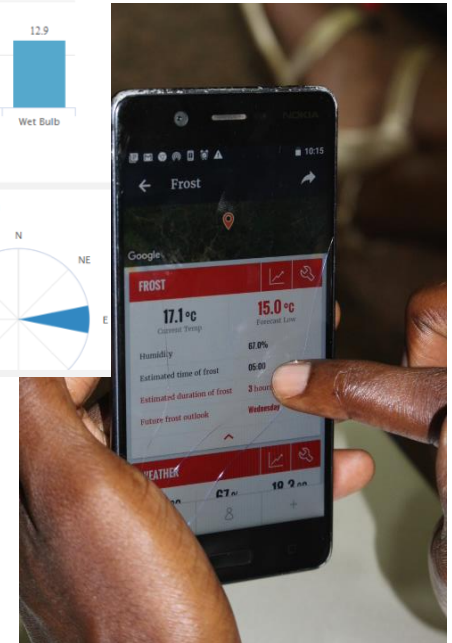


Climate Change Adaptation & Resilience

Science & ICT



Early Warning & Resilience



- Monitor you farm – Sensors & ICT
- Make informed decision – Extension work & Farmer
- Reduce farm inputs wastage – Pesticides, Irrigation
- Reduce the cost of production



Current shocks and Disruptions

- Floods
- Locusts
- Drought
- COVID-19 – reduced income for farmers





Coping and thriving strategies

- Partnerships
- Large volume buyers of agricultural produce subsidize cost of monitoring tools for their farmers





New Opportunities

- COVID-19 lockdown made farmers and AEAS actor realize the importance of remote farm monitoring
- Youth employment
- AEAS knowledge about weather and sensor use
- Insurance for agricultural investments





Recommendations

- Building of capacity for AEAS actors in the field of weather
- Government to reduce taxes on agricultural inputs and tools
- Government through UNMA to set environment that enables farmers afford farm sensors
- Insurance companies need to invest the field of agricultural sensors as it will support them in agricultural insurance



Enabling poor rural people to overcome poverty



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Partners





THANK YOU

