

The study (3 Masters Students) explores what works or is likely to work in these projects under which conditions and for the benefit of whom.





Realist Evaluation	 Assess the present of the 3 projects Understanding the intrinsic feature of the technologies
(Pawson and Tilley. 1997)	 Understanding the socioeconomic conditions Understanding the institutional environment
System dynamic modeling	 Explore the future of the 3 projects Understanding the adoption patterns of different types of users
(Amelia, Kopainsky et	 Understanding the implications of technologies on farmers decision-making process
al. 2014)	 Projecting technologies adoption under different future scenarios

Key results so far:

- Relevance
- Technologies are perceived to be relevant-contribute to farmers decision-making and problem solving process
- One farmer in Dialakoro says; 'After several failures in growing watermelon, I called for advice through Senekela. I implemented the advice which I received on 0.5 ha; I succeeded to harvest a good amount of watermelon"
- *"I received the <u>Sanji</u> sms on my phone which says"* that today will be sunny whereas tomorrow is forecasted to be rainy, I then decided to do weeding today and plan for plowing and sowing tomorrow".





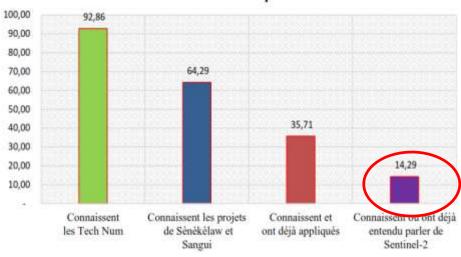


Key results so far

Access

- Illiteracy: Difficult for farmer to subscribe
- Constraining billing of the services (Senekela and Sanji)
 - The cost of 25FCFA or \$ 0.045 for one Sanji SMS is deemed expensive
 - The reception of Sanji SMS conditional to having 25FCFA top-up
 - Farmers' preference for vocal messages and monthly payment
 - The coverage of the network in rural communities is patchy for Senekala calls
- Technological gap between young people using the smart phones and the elder people making the decisions.





Résultats des Enquêtes

Field work Cris Auguste Niamba, July, 18

- Sentinel-2 is more at National level for Agirc. Stats.
- Required reliable high speed internet connection at IER (this was the case in 2016 but not in 2017=>data were not analyzed)



Next Steps In-depth research on the sustainability of the technologies

- The perception of farmers on the information received (new information or not for them)
- Users adoption, disadoption and perception of the technologies
- The information flow among the different stakeholders
- Modelling future scenarios under which the technologies considered may be more or less attractive to different user groups.
- Challenge: Difficult access to information and data from the mobile phone company and other key stakeholders (Senekela and Sanji).





THANKS!

