

Sauti ya wakulima - A community archive of farming practices and climate change

Dr. Juanita Schlaepfer-Miller

Dr. Angelika Hilbeck, Dr. Eugenio Tisselli, ETHZ; Dr. Flora Ismail, University of Dar es Salaam (UDSM)



www.sautiyawakulima.net



Linking climate change and new technologies

- Farmers in Africa are already adapting to climate change
- To inform policy - need for locally based participatory research
- Internet use low but mobile phones ubiquitous
- Technologies can be appropriated by communities

Bagamoyo - Chambezi



District Direction &
Agricultural Office
Bagamoyo



Mr. Hamza



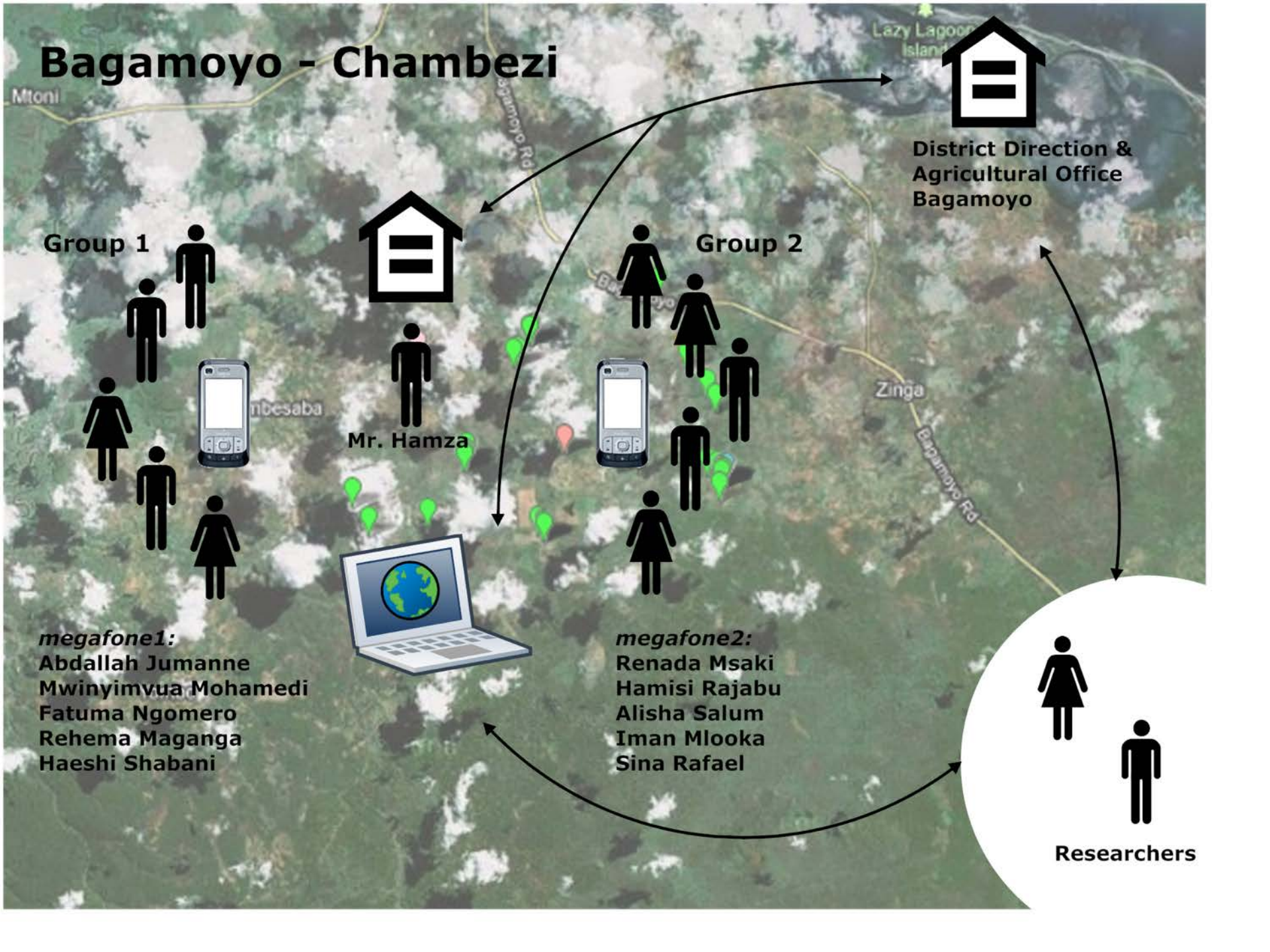
Group 1

Group 2

megafone1:
Abdallah Jumanne
Mwinyimvua Mohamedi
Fatuma Ngomero
Rehema Maganga
Haeshi Shabani

megafone2:
Renada Msaki
Hamisi Rajabu
Alisha Salum
Iman Mlooka
Sina Rafael

Researchers



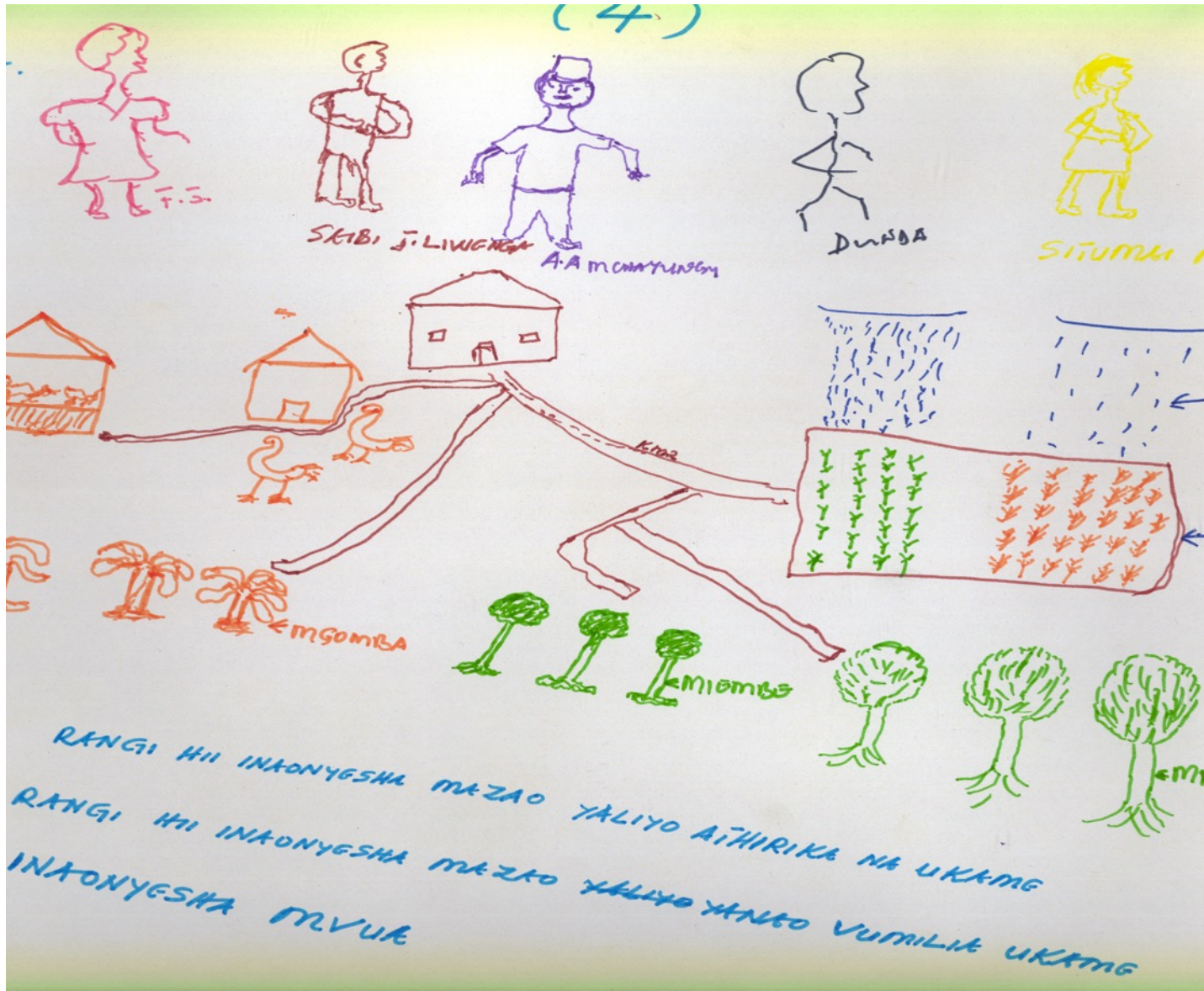
Images are located on a map and may have audio commentary

amaranth cassava cowpeas interview maize mango rice sweet potato leaves watermelon



Methods: Participatory process - Rich Pictures









The tag “interview”
quickly became the
most used

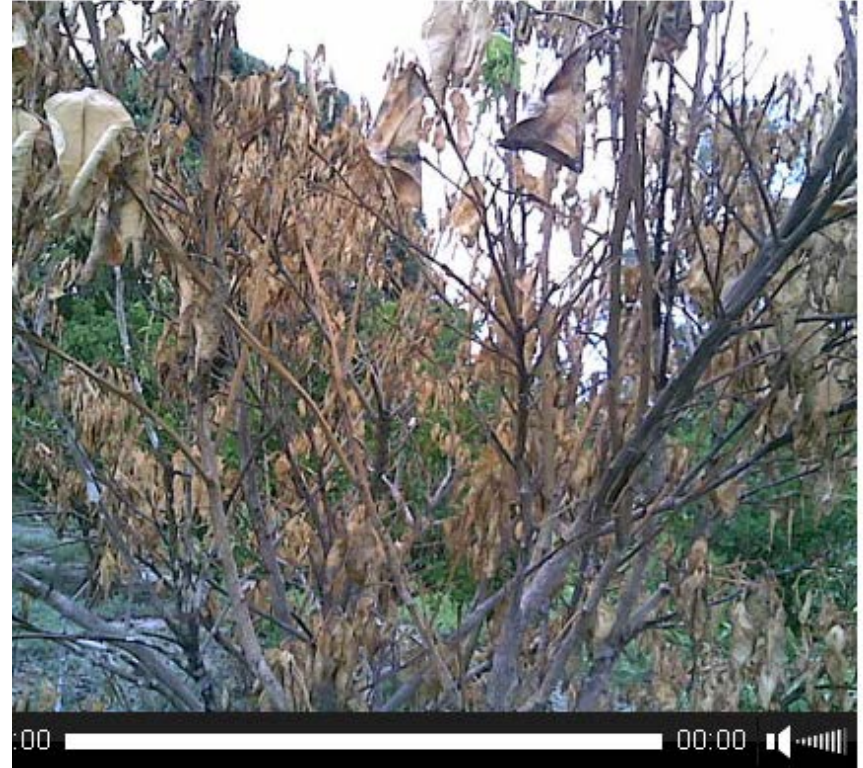
Folksonomies

- Cloud tag
- Bottom-up categorization
- Allows the discovery of emergent topics - over time
- Can be a model for a community's issues

bamia [bilinganya](#) [chinese](#) [kunde](#) [matango](#) mchicha [mnavu](#) [sukuma wiki](#)

- Over 3000 images posted from 10 farmers with 2 phones from Feb 2011 - 2015
- 70% with audio files

e sent by megafone2 on Thursday 31 of March of 2011 at 14:



ents:

nt sent by megafone1 on Sunday 1 of May of 2011 at 18:26:(
ange tree has been affected by sun.

Using participatory media to communicate

sent by megafone1 on Saturday 19 of March of 2011 at 07:2



nts:

nt sent by megafone1 on Sunday 1 of May of 2011 at 16:56:0
h 10 meters depth has been prepared for watering gardens ar

Farmers very positive – adapt the project

Input changes over time

Back

[Kiswahili](#) [English](#)

Message sent by megafone2 on Tuesday 15 of March of 2011 at 09:29:13



Comments:

Comment sent by megafone1 on Sunday 1 of May of 2011 at 02:11:29

my name is Alisha Salum, Iam one of the small grower of cocnuts and cashewnuts as well as animal keeping from chambezi community. I have visited our fellow entrepreneur Mr. Kobelo from Mataya, Bagamoyo to see how he runs his agriculture and animal keeping activities and also to know how he overcomes the climate changes effects. He has good progress in watermelon production as in only a 0.5ha he was able to harvest 1500 fruits! So he is insisting that other people should engage themselves in this type of agriculture so that they can earn their living through it.

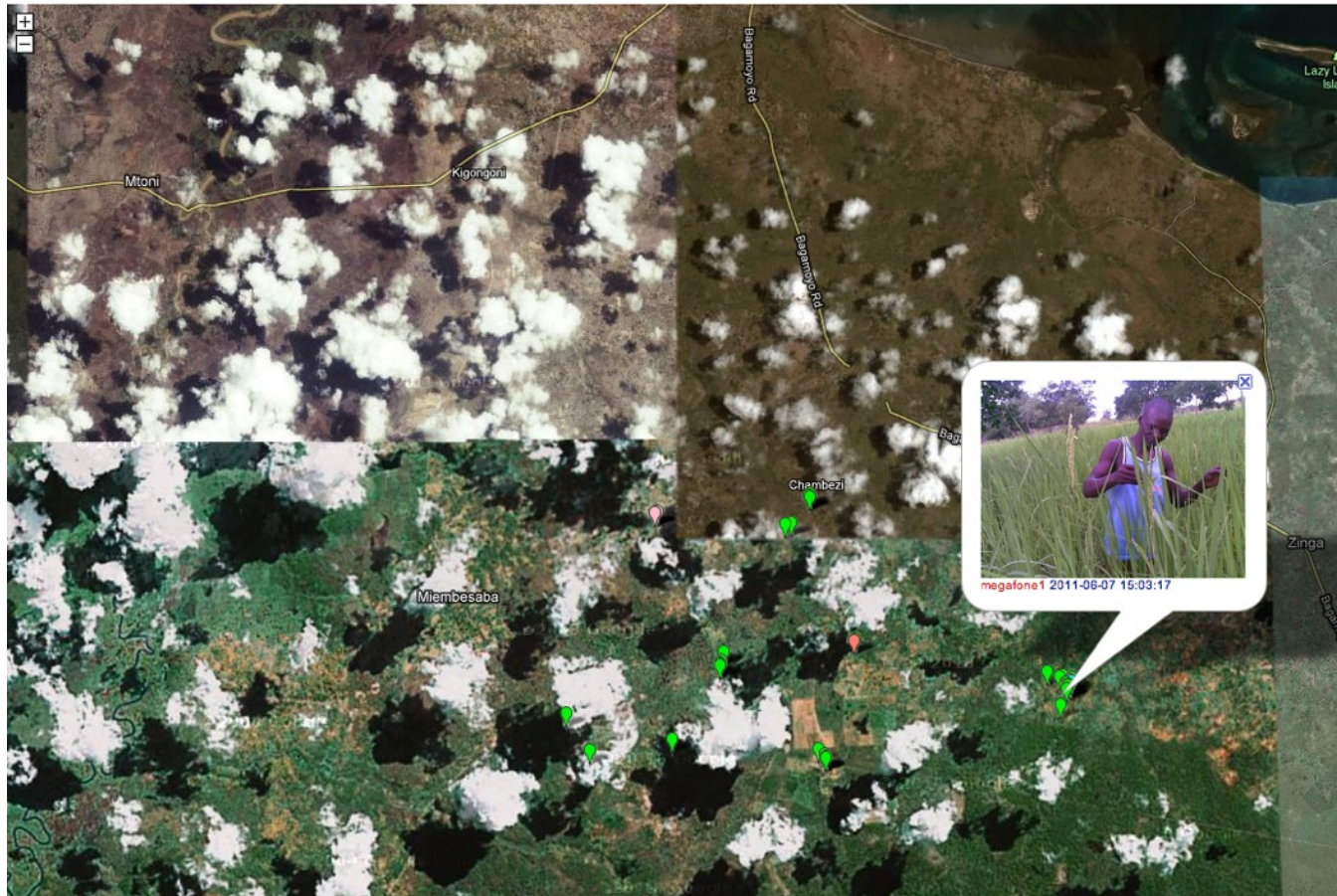
Back

Add comment:

Alias

Technical issues

📍 amaranth 📍 bata 📍 cassava 📍 coconut 📍 cowpeas 📍 sakoti 📍 suku chotala 📍 mahindi 📍 mahojiano 📍 mahoiqano 📍 mahoiqhano 📍 mahoihao 📍 mahoihaano 📍 mahoiyano 📍 mahoihao 📍 mahoviha
📍 malunda huliwa kama viazi na m 📍 mbuzi wa maziwa 📍 mchikichi 📍 mdizi 📍 mipapa 📍 mkorosho 📍 mnazi mifu 📍 mnazi ulu kufa nachonga 📍 orange 📍 rice 📍 sweet potato leaves 📍 sweet potatoes 📍 tomatoes 📍 watermelon





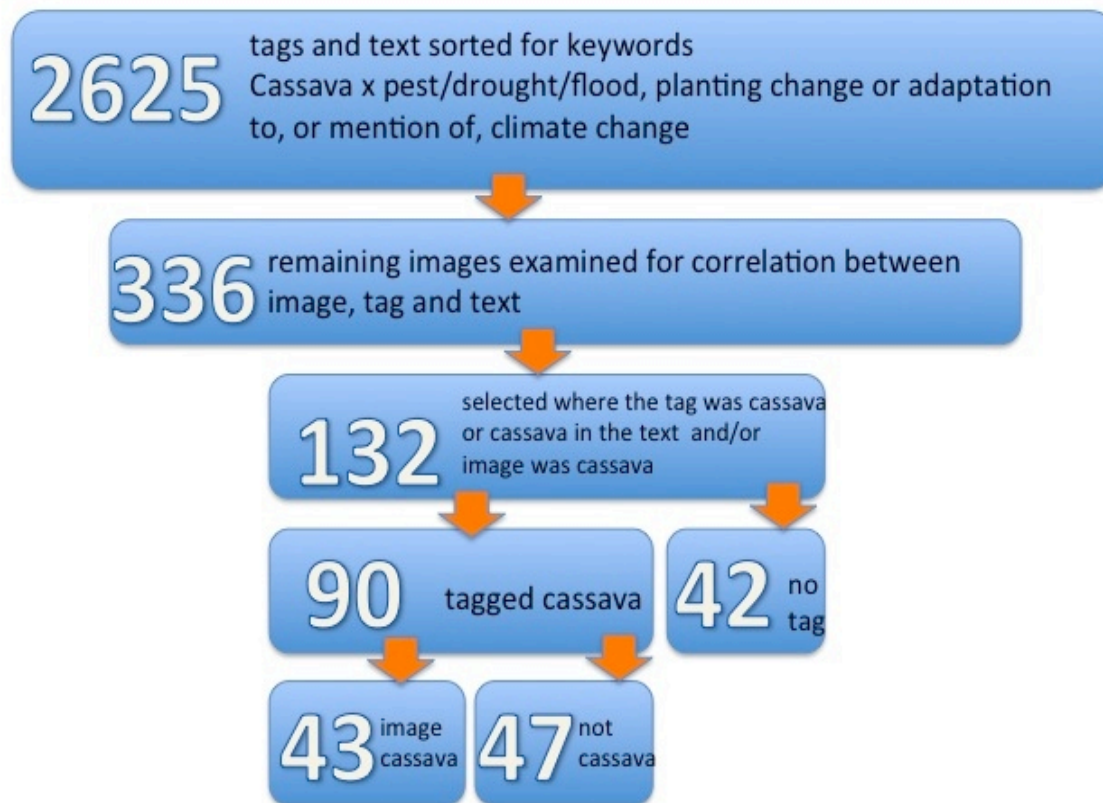
Open questions:

- How to categorise and present information
- Usefulness to scientists?
- Cultural decoding?
- Is there evidence to show creative freedom motivates participation?
- Can project become sustainable?
- Gender balance?



Results: Transformation knowledge

Data set of 2625 posts



Key benefits of project

- Relatively simple technology
- Project is scalable – has moved to Kenya and South Sudan
- Enables farmers to collect body of evidence to present to policy makers – empirically broader
- Compared to other data gathering is documentation over time
- Enables the farmers to become active participants in networked environments. Community building
- Has become sustainable in Bagamoyo – locally funded

Next phase

- involve around 5,000 farmers in Mtwara and Masasi
- Farmer data gathering on agroecology and participative cassava breeding
- New version of app based on farmers input
- New database format: easily searchable for researchers

- Partners: ETHZ, Swissaid, Tanzania Organic Agriculture Movement, Sokoine University of Agriculture, Morogoro, Bagamoyo District Council, Sustainable Agriculture Tanzania

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Angelika Hilbeck angelika.hilbeck@env.ethz.ch & Eugenio Tisselli
cubo23@yahoo.com

