

Report of the ninth meeting of the

imGoats Inhassoro Innovation Platform (IP)

13 June 2013

Vulanjane, Mozambique

"We can't wait for someone to put credits on our phone- then we don't grow!

[...] We can do it on our own now."



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1. Introduction

The goal of the "Small ruminant value chains as platforms for reducing poverty and increasing food security in dryland areas of India and Mozambique (imGoats)" project is to increase incomes and food security in a sustainable manner by enhancing pro-poor small ruminant value chains in India and Mozambique. The project proposes to transform goat production and marketing from the current ad hoc, risky, informal activity to a sound and profitable enterprise and model that taps into a growing market, largely controlled by and benefiting women and other disadvantaged and vulnerable groups; while preserving the natural resource base.

The specific objectives of the project are to:

- (a) pilot sustainable and replicable organizational and technical models to strengthen goat value chains in India and Mozambique that increase incomes, reduce vulnerability and enhance welfare amongst marginalized groups, including women; and
- (b) document, communicate and promote appropriate evidence-based model(s) for sustainable, propoor goat value chains.

In addition to goat keepers, beneficiaries will include other goat value chain actors, including small-scale traders, input and service providers. The project is following innovation systems approaches within a value chain framework. The value chain models will be implemented through the two mechanisms of innovation platforms and producer hubs, which will be comprised of multiple and diverse stakeholders. Innovation platforms (IPs) provide spaces for value chain actors to interact, communicate and act to improve performance of the value chain and with the resulting benefits to the actors. They will also be the mechanism to stimulate joint action to test feasible technical, organizational and institutional interventions for improving the productivity of goats, their marketing and associated service delivery.

Using an appropriate and focused Monitoring and Evaluation framework, the project will document the participatory approaches used, processes followed, outcomes generated and lessons learned to generate research evidence towards the development of goat value chain models that benefit the poor. Lessons learned and opportunities for scaling up and out will be communicated to policymakers and development practitioners.

The project is being implemented by CARE in Mozambique, while the overall leadership and coordination of the project is done by the International Livestock Research Institute (ILRI).

This report provides an account of the ninth meeting of the imGoats Innovation Platform (IP) held on 13th of June in Vulanjane, Inhassoro district of Mozambique. Due to project ending at the 30st of June, this was the last IP meeting with project support. The meeting was entirely facilitated by the IP Secretariat President João.

2. Activities in between 8th and 9th IP meeting

To monitor innovation processes, it is important to capture the IP meetings as well as the process between the meetings. Between the 8th and 9th IP meeting, the following four types of activities have been undertaken:

- continuation of construction of improved shelters by model farmers
- continuation of process of identification, legalisation and use of communal pasture areas
- training of committees to manage communal pasture areas in three communities
- organising goat sales with private investors Jan and Joey (see 8th IP meeting)

Progress on the activities above is monitored in the monthly Outcome Mapping (OM) meetings. The last OM meeting of the project was held on Friday 19th of April. Progress on these activities has not been included in this report, but can be found in the final 'Outcome Mapping report' under the following progress markers:

• Improved shelters:

Progress Marker G7 - Model farmers are using improved production techniques like an improved shelter and water supply

• Communal pasture areas:

Progress Marker A4 - Producers are using communal pasture areas

Goat sales:

Progress Marker E4 - Producers sell goats in a planned and organized manner
Progress Marker E3 - Post-production actors (buyers) act upon decisions made during IP meetings.

It was agreed in the 8th IP meeting that Jan and Joey would visit three communities and buy goats. However, the combination of health problems and a broken pick-up car made it impossible for Jan and Joey to come to the communities and buy goats. They are still interested in buying goats, and will do so once the car has been repaired (in July).

3. Preparations 9th IP meeting

3.1. IP Secretariat

The secretariat consists of four functions: President, Vice-President, Secretary and Councillor. There was a (re)election for the functions during the 4th IP meeting, resulting in the following members:

- President: João Nhiuane (Paravet in Nhapele)
- Vice President: Ivone Cacilda (Livestock representative for SDAE in Inhassoro)
- Secretary: Ernesto Lasse (Buyer in Inhassoro)
- Councillor: Daniel Cerveja (Leader of Chimajane)

As described in the 7th and 8th IP report, the IP Secretary and Councillor are not actively involved. They neither participated in the secretariat meetings nor IP meetings. After the 8th IP meeting, no IP secretariat meeting have taken place. Instead, CARE project officer Amosse discussed individually with President João and Vice President Ivone.

3.2. Preparations for 9th IP meeting

The role of the CARE/ILRI project team was limited in preparations for the 9th IP meeting. João extended invitations based the participant list. He therefore received 200 Meticals (about 8 USD) cell phone credit. No agenda was made, but about 15 minutes before the 9th IP meeting started, João and Ivone decided on the topics:

- Opening of the meeting
- Commercialization/goat sales
- Future of the Innovation Platform with project support
- Closure

4. The ninth meeting of the imGoats Innovation Platform

4.1. Introduction

The meeting started around 11:00 hrs. In total, 16 people were present (see list of participants, Annex 1), in the following stakeholder groups¹:

- 4 producers (2 men, 2 women)
- 2 community leaders/representative (2 men)
- 2 government representative (SDAE; 2 women)
- 4 paravets (4 men)
- 3 CARE/ILRI staff (2 women, 1 man)
- 1 representative of abattoir in vilanculos (1 man)

Participants came by their own transport or lived in Vulanjane.

President João facilitated the entire meeting in Xitswa, without support from the project team (photo 1). CARE project officer Amosse translated the meeting was translated into Portuguese for Michaela and Birgit. João welcomed everybody and thanked them for making the effort to come to the meeting. He explained the objectives of the meeting: discuss opportunities for goat sales - as follow-up of the last meeting in Chitsotso - and the future of the IP without project support.

4.2 Commercialization

João explained progress on possible goat sales:

- Jan was not able to come to the communities due to health problems. But in the future he wants to buy goats and will contact João.
- The abattoir in Vilanculos is interested in buying about 100 goats per month.
- There is a buyer in Sofala who would like to buy 100 does and 100 bucks.
- A buyer in Rumbatsatsa wants to buy 300 goats.

Photo 1. Presidents João facilitates the entire IP meeting.

¹ Several participants belonged to two stakeholder groups. Paravets, for example, are also producers (selection criterion of the project). Similarly, some community leaders are producers. In this overview, each participant was counted in only one stakeholder group, to avoid double counting

So, whereas before there was a lack of buyers, there now seems to be the opposite situation, where they face challenges fulfilling the requests of buyers. During the last paravet refresher course, the paravets came up with the idea to **create two sales points in the district: in Vulanjane and Mangugumete.** In each sales point, neighbouring communities can bring their goats, and buyers can come to collect them. João asked what the IP members think of this proposal.

- <u>Ivone</u> (SDAE) said they should also use this moment for awareness raising among producers to
 use the communal pasture areas and water the goats so that the goats are in good shape for the
 sales.
- <u>Camisola (</u>Community leader of Cachane) thanks Joao for finding buyers. From Cachane they can supply many goats if buyers want. He liked the idea of two sales points, because the animals stay together in one place, so even if not all of them are being sold, then they won't be stolen. The problem now is to negotiate a good price.
- Moises (paravet Chitsotso) liked the idea, because it stimulates producers to producer more goats. The main problem is that there are no leaders at this meeting. So people won't be informed that they can take their goats to Vulanjane. It is our responsibility as producers and paravets to inform them. Because if we don't respond to the buyers' demand they may not come back. We need to supply them.
- Joana (producer Nhapele) asked about dates of the sales. She has a list of producers who have animals available, but she needs to know when they can sell. She liked the idea of the sales points, but if a producer has for example five goats available, can a buyer than also come to community?
- Damião (model farmer Vuca Interior) responded that he was selected by his community to be in touch with buyers. He will inform the buyer how many goats are available in his community. We should not wait for a date. Though Vulanjane we be a fixed sales point, this does not mean buyers cannot come to other communities on the way. For example if there are 50 or more goats available in Nhapele, the buyer can pass by Nhapele as well. The most important thing however is communication among us! We need to communicate how many goats are available and where.
- João added that the buyer in Sofala is waiting. We only need to call him and he will come if we know how many animals are available. Good communication and information flow is most important. It is also a compromise: if you agree with a buyer to sell goats to him, you shouldn't sell the goats to other buyers before, because then the buyer arrives but fewer goats are available. People should neither sell small goats, only include goats >20 kg available for sale. How do we organise payment?
- Joana explained that when CCS (Italian NGO) bought many goats in their community, she received a cheque, which she exchanged at the bank. She then paid the goat keepers. However, CSS used a fixed price per goat, no weighing scale.
- João liked the idea, but the situation is different now: we want to sell by weight and moreover there is no trust with the buyers yet. If the buyers come often and there is trust, then we can consider accepting cheques.
- Agnasias (representative of Vilanculos abattoir) said that they are interested in buying about 100 goats every 2nd Wednesday of the month. The first sales will occur on July 10th. They can come

with transport to buy the animals, but he requested the producers and paravets to help loading the animals on the day of collection. He also asked them to be flexible in terms of numbers. On average they are interested in buying about 100 animals per month, but this may be slightly lower or higher – depending on the goat meat demand. He added that it will be difficult to pay with a cheque, because multiple communities are involved. **So they will pay with cash.**

- João confirms that this shows again the importance of information flux. Paravets need to know how many goats and of what weight are available in their community. This info should then go to the buyer, so that he knows how much cash he should bring. The paravet should also check the quality of the animals, so that good animals are provided.
- <u>Damião</u> (model farmer Vuca Interior) added that the community leaders of Vulanjane and
 Mangugumete should be informed that these locations have been chosen as sales points.
- Michaela added that the project can help informing the leaders.
- Augusto (representative for community leader of Vulanjane) said that there should be a problem. It is a good initiative to have a sales point in Vulanjane. It is not the first time that animals have been sold in Vulanjane. They are welcome to do so.
- Amosse added that SDAE needs to be informed as well, because they can send buyers to the two sales points when they meet them.

Summarizing, the following agreements have been made:

- Two goat sales points will be created in the district: in Vulanjane and Mangugumete
- The abattoir in Vilanculos wants to buy around 100 goats per month, on every 2nd
 Wednesday of the month. The first sales will occur on the 10th of July 2013.
- Payments will be done in cash.
- Participants will inform community members. Paravets will make an inventory of the available animals in their community.

4.3 Future of the IP without project support

João explained that they have now arrived at the most 'painful' part of the meeting; the end of project support. When the project started, lunch, cell phone credit and transport were provided. When there was no long transport, we continued to meet. Now, the project support will stop entirely; no lunch, no cell phone credit. João always received 200 meticais cell phone credit to invite participants, but he can't invite them if he does not receive this anymore. Will we continue? If so, how?

- <u>Joana</u> (producer Nhapele) responded that they could see if there is another goat project that could help them. If anyone hears of a goat project, they can send them to the IP and work with the IP.
- <u>Damião</u> (model farmer Vuca Interior) responded that despite the cancelation of transport, always a few people came to the meeting. He would have no problem calling a few people to invite them: it is an investment that will pay off. We can for example create a fund for people who represent the IP. The most important thing is to have a group of people with large interest. If then a new project comes, we can show that we are organized and they want to work with us. We have some money in our pockets, we can create a fund. We can't wait for someone

to put credits on our phone; then we don't grow! For example, I can call Dona Joana – no problem.

- Moises (paravet Chitotso) confirmed that the most important thing is to be organised. It is like in church: before there were missionaries who supplied lunch, but they do this anymore. Does this mean we don't eat? No, we eat lunch. So we can manage without support. We need to be consistent so that we can grow. This project started a while ago, we knew it wouldn't last forever, but we can make it on our own!
- Augusto (representative for community leader of Vulanjane) also confirmed that it is about people's interest. It is like a teacher; he comes to community and teaches you how to write.
 When the teacher leaves, you continue writing.
- Armando (paravet Manusse) confirmed the example of the church: you contribute to the church for transport and food, but you don't get anything. Whereas here you can earn money with the sale of goats!
- João concluded that participants should take the information back and inform others. It is important that people know that there won't be any support, because when Joao called them, they still asked about transport. He called many people for today, but only a few came. There are two options: keep on inviting people who have doubts/ don't come or stop inviting them and accept that they are outside the IP.
- <u>João</u> continued saying that the next IP meetings could be shorter, e.g. one hour. This is what they also do in church. If things have not been discussed within the hour, they are taken to the next meeting. So when is the next IP meeting? And where do we meet?
- <u>Damião</u> (model farmer Vuca Interior) suggested shortening the interval period and meeting monthly.
- Moises (paravet Chitotso) agreed; particularly in the process of organizing we need to meet more frequently. The first sales day is on the 10th of July. So we can meet the week after to reflect on the sales.

Next IP meeting: Thursday 18th July. Participants can be informed during the sales on the 10th of July.

4.3 Closing and farewell

João closed the meeting by giving CARE/ILRI project staff the opportunity to say farewell.

On behalf of CARE Michaela mentioned that this was a relatively short project period, but that much has been achieved. She, CARE, ILRI and the donor are very satisfied with the achievements and such a strong group of people. It is very good to see that they want to continue after the project with treating animals, increasing their production and selling animals. She has worked in many different regions in Mozambique and with many groups. This is a strong group with a vision, who want to change the situation in their community. That is very good. She wished them lots of luck in the future. On behalf of ILRI Birgit thanked the participants for their open attitude and cooperation in all questionnaires and surveys. They were a very open group of people and she learned a lot from them. It is beautiful to see how people grew during the project period and are able to continue without project support.

João thanked the project team. He also thanked the participants for coming and closed the meeting. Dona Joana ended the meeting with a farewell song in Xitswa (photo 2). Afterwards lunch with goat meat stew was served (photo 3).





5. Lessons learned

To conclude, a few reflections are given on the basis of the 9th IP meeting. These are CARE and ILRI reflections.

Positive aspects of the IP meeting to maintain:

- It was good to see that participants were able to come to the meeting with their own transport.
- The meeting was quite efficient and took about 2 hours.
- Participants were actively engaged and motivated.
- The participants were active project participants like paravets and model farmers. It is encouraging to see that there is a kind of 'core group'.
- Participants seem to get to know each other better and better, which creates a good atmosphere. They seem happy to see each other again and have fun during the breaks. There was a relaxed atmosphere during and after the meeting.
- It was good to hear that more buyers are interested in buying goats and to see that the IP participants are seeing the importance of good communication and collective organization.
- It was very good to hear that the participants are motivated to continue the IP after the project.

Reflection on the IP secretariat:

- João (President) did a very good job. He facilitated the entire meeting.
- Ivone (Vice president) was present at the IP meeting and helped Joao in the preparation about 15 minutes before the meeting started.
- Ernesto (Secretary) was absent at the IP meeting. He has not shown any interest in the project over the past months.
- Daniel (Counsellor) was absent at the IP meeting. He has not shown any interest in the project over the past months.



Annex 1: Participant list (structured on value chain position)

Name	Gende	Position	Location	1 nd	2 nd	3rd	Feb-	4th	5th	6th	7th	8th	9th
	r			IP	IP	IP	23	IP	IP	IP	IP	IP	IP
Jan Bean	М	South African Investor	Chitsotso										0
		& goat keeper		0	0	0	0	0	0	0	0	1	
Joey Bean	F	South African Investor	Chitsotso										0
		& goat keeper		0	0	0	0	0	0	0	0	1	<u> </u>
	М	Buyer	Inhassoro	1	0	1	0	1	1	0	0	0	0
	М	Buyer	Malangute	0	0	0	1	0	0	0	0	0	0
	М	Buyer	Massinga	0	0	0	0	0	0	0	0	0	0
Rafael Ernesto Samuel	М	Buyer	Maxixe	1	0	0	0	0	1	0	0	0	0
Afonso Antonio	М	Buyer	Vilanculos	0	0	0	1	0	0	0	0	0	0
Oliveira Zivane	М	Buyer	Vilanculos	1	0	1	0	0	0	0	0	0	0
Ricardo macamo	М	Buyer	Vilanculos	0	0	0	1	0	0	0	0	0	0
Zefanias Gaucho Buens	М	Buyer	Vilanculos	0	0	0	0	1	0	0	0	0	0
Agnaias Vilankulo	М	Representative of abattoir	Vilanculos	0	0	0	0	0	0	0	0	0	1
Michaela Cosijn	F	Technical consultant imGoats	Vilanculos	1	1	1	1	1	0	0	0	1	1
Roberto Cassiano	М	CARE DPM SEED	Vilanculos	1	1	0	1	0	1	1	0	0	0
Diamantino Cuna	М	CARE Driver	Vilanculos	0	0	0	1	0	0	1	1	1	1
Luis Tole	М	CARE Driver	Vilanculos	1	1	0	1	0	0	0	0	0	0
Roberto Carlos	М	CARE Driver	Vilanculos	1	1	0	0	0	0	0	0	0	0
Valeriano Ricardo	М	CARE Driver	Vilanculos	0	0	0	1	0	0	0	0	0	0
Faustino Jose Agusto	М	CARE Extension officer	Vilanculos	0	0	0	0	1	1	0	1	0	0
Feliciano Majesso	М	CARE Extension officer	Inhassoro	1	1	0	1	0	1	1	1	1	0
Moises Safur	М	CARE Extension officer	Govuro	1	0	0	0	0	0	0	0	0	0
Eugenio Afo	М	CARE Extension officer	Inhassoro	1	1	1	0	0	0	0	0	0	0
Adriano	М	CARE Extension officer	Vilanculos	0	0	1	0	0	0	0	0	0	0
Nalia Johane	F	CARE Gender officer	Vilanculos	0	0	0	0	0	0	0	0	1	0
Arcanjo Nharucué	М	CARE M&E officer	Vilanculos	0	0	0	1	1	0	0	0	0	0
Vitorino Massingue	М	CARE M&E officer	Vilanculos	1	0	0	0	0	0	0	0	0	0
Amosse Maheme	М	CARE PO imGoats	Vilanculos	1	1	1	1	1	1	1	1	1	1
Camila Rivero	F	CARE/Peace Corps	Vilanculos	0	0	0	1	1	1	1	0	0	0



Alexandre Luzerna Chambela	М	Chefe de terra	Chitsotso	0	0	0	0	1	1	0	0	0	0
Aniva Taela	М	Chefe de terra	Manusse	0	0	0	0	1	0	0	0	0	0
Jose Molatha Ngulube	М	Chefe de terra	Vuca Interior	0	0	0	0	1	0	0	0	0	0
Raol Sambirane Vilankulo	М	Chefe de terra	Vuca Litoral	0	0	1	0	1	0	0	0	0	0
Isabel Teresa	F	Community Leader	?	1	0	0	0	0	0	0	0	0	0
Jose Camisola	М	Community Leader	Cachane	1	1	0	0	0	1	0	0	0	1
Alexander Vilankulo	М	Community Leader	Chichangue	0	0	1	0	0	0	0	0	0	0
Jose Gotina	М	Community Leader	Chichangue	0	0	0	1	0	0	0	0	0	0
Raul Cuamba	М	Community Leader	Chichangue	0	0	0	1	0	0	0	0	0	0
Daniel Jose Cerveja	М	Community Leader	Chimajane	1	0	0	0	1	0	0	0	0	0
Albino Nhare	М	Community Leader	Chitsecane	1	1	0	0	0	0	0	0	0	0
Albino Sequisso	М	Community Leader	Chitsecane	0	0	0	1	0	0	0	0	0	0
Zacarias Massoa	М	Community Leader	Chitsotso	1	1	0	0	0	0	0	0	0	0
Feliciano Guluve	М	Community Leader	Macovane	0	0	0	1	0	0	0	0	0	0
Arone Faife Massuanganhe	М	Community Leader	Madacare	1	1	0	1	0	0	0	0	0	0
Tomas Enosse Ventura	М	Community Leader	Maimelaine	1	1	0	0	0	0	0	0	0	0
Alberto Saguate/Albino Jague	М	Community Leader	Malangute	0	0	0	1	0	1	0	0	0	0
Jeremias Chibebe	М	Community Leader	Mangungumete	0	0	0	1	0	0	0	0	0	0
Nomeado Murrombe	М	Community Leader	Mangungumete	1	1	0	1	0	0	0	0	0	0
Caixote Julai	М	Community Leader	Manusse	0	0	0	1	1	1	0	0	0	0
Enosue Kaiva	М	Community Leader	Nhapele	0	0	0	0	0	1	0	0	0	0
Lazaro Lazeta	М	Community Leader	Nhapele	1	0	0	0	0	0	0	0	0	0
Jonane Chacatane	М	Community Leader	Rumbatsatsa	0	0	0	1	0	1	0	0	0	0
Simiao Samuel	М	Community Leader	Rumbatsatsa	0	0	0	1	0	0	0	0	0	0
Arnaldo Lai Massingue	М	Community Leader	Tiane	0	0	0	0	0	1	0	0	0	0
Ganhane Chicovolo Estingue	М	Community Leader	Vuca Interior	0	0	0	1	1	1	1	1	0	0
Daiane Paiva Nhacaue	М	Community Leader	Vulanjane	0	0	0	0	1	1	0	0	0	0
Antonio Temate Nyane	М	Community leader	Cachane	0	0	1	0	1	0	0	0	0	0
Andrew Engels	М	Investor	Luido	0	0	0	0	0	0	0	0	0	0
Inacio Matsinhe	М	Investor	Vilanculos	0	0	0	0	0	0	0	0	0	0
Ernesto Naefe Chicomo	М	Leader	Manusse	0	0	0	0	1	0	0	0	0	0
Sebastao Terupo	М	Leader	Manusse	0	0	0	0	1	0	0	0	0	0
Paulo Buene	М	Meat sellers	Vilanculos	1	0	0	0	0	0	0	0	0	0



Moiseis Elias	М	Paravet	Chitsotso	1	1	1	1	1	1	0	1	1	1
Jorge Araujo Mufume	М	Paravet	Mabime	0	0	0	0	1	1	0	0	1	0
Tomas Raimundo Tivane	М	Paravet	Malangute	0	0	0	1	1	1	1	0	1	0
Armando Carlos Muabsa	М	Paravet	Manusse	0	0	0	1	1	1	1	0	1	1
Joao Massingue Macie	M	Paravet	Nhapele	1	1	1							1
Nhiuane							1	1	1	1	0	1	
Azarias Jose	M	Paravet	Vulanjane	0	0	0	1	1	0	0	0	1	1
Raol Fernao	М	Paravet	Chichangue	0	0	1	0	0	0	0	0	0	0
Artur Sabone Matsoma	М	Paravet	Chimajane	0	0	0	1	0	1	1	0	0	0
Obadias Tomas	М	Paravet	Nhapele	0	0	0	1	0	0	0	0	0	0
Alberto Mendes	М	Paravet	Rumbatsatsa	0	0	0	1	0	0	0	1	0	0
Victorino Jovo	М	Paravet	Vuca Interior	0	0	0	1	0	1	0	0	0	0
Durubek Chiviti Manga	М	Paravet	Vuca Litoral	0	0	1	0	0	0	0	0	0	0
Jaime Boane	М	President of group	Chichangue	0	0	0	1	0	0	0	0	0	0
Texeira Simiao	М	President of group	Malangute	1	0	1	0	0	0	0	0	0	0
Joanane Chacatane	F	President of group	Rumbatsatsa	1	1	1	0	0	0	0	0	0	0
Alexander Luzenda	М	Producer	Chitsotso	0	0	0	0	0	0	0	0	1	0
Feliciano P. Mutumane	М	Producer	Chitsotso	0	0	0	0	0	0	0	0	1	0
Alcidio Nhousue	М	Producer	Chitsotso	0	0	0	0	0	0	0	0	1	0
Tornel Malane Sitoe	М	Producer	Chitsotso	0	0	0	0	0	0	0	0	1	0
Magaissane F Guluve	М	Producer	Chitsotso	0	0	0	0	0	0	0	0	1	0
Samuel m. Muabsu	М	Producer	Chitsotso	0	0	0	0	0	0	0	0	1	0
Fernando Armando Guluve	М	Producer	Chitsotso	0	0	0	0	0	0	0	0	1	0
Simione Saize	М	Producer	Vuca Interior	0	0	0	0	0	1	0	0	1	0
Alberto Sabmete Artur	M	Producer	Chimajane	0	0	1	0	0	0	0	0	0	0
Armando Chuguela		Producer											0
Neuguiane	М		Mabime	0	0	0	0	1	1	0	0	0	
Feliciano Chiamlovane	М	Producer	Maimelane	0	0	0	0	0	0	1	0	0	0
Isaura Mpocometane	F	Producer	Maimelane	0	0	0	0	0	0	1	0	0	0
Peulane Lambo	М	Producer	Maimelane	0	0	0	0	0	0	1	0	0	0
Celestino Maedae	М	Producer	Maimelane	0	0	0	0	0	0	0	1	0	0
Ricardo Joao Mucuango	М	Producer	Maimelane	0	0	0	0	0	0	0	1	0	0



Antonio Tivane	М	Producer	Mangungumete	0	1	0	0	0	0	0	0	0	0
Arnaldo	М	Producer	Manusse	0	0	0	0	1	0	0	0	0	0
Elena Jurali Pederla	F	Producer	Manusse	0	0	0	0	1	0	0	0	0	0
Lina Julai budala	F	Producer	Manusse	0	0	0	0	1	0	0	0	0	0
Serafina Pechisso	F	Producer	Nhapele	1	0	1	0	1	0	0	0	0	0
Andre Jonual Guluve	М	Producer	Vuca Interior	0	0	0	0	0	1	0	0	0	0
Antonio Jossai	М	Producer	Vuca Interior	0	0	0	0	0	1	0	0	0	0
Antonio Samuel	М	Producer	Vuca Interior	0	0	0	0	0	1	0	0	0	0
Autonio Samuel	М	Producer	Vuca Interior	0	0	0	0	0	1	0	0	0	0
Joao Mucogue	М	Producer	Vuca Interior	0	0	0	0	0	1	0	0	0	0
Lindo Fernando	М	Producer	Vuca Interior	0	0	0	0	0	1	0	0	0	0
Raimundo Mapuahlo	М	Producer	Vuca Interior	0	0	0	0	0	1	0	0	0	0
Admira Teresa Casimero	F	Producer (?)	Mangungumete	0	0	1	0	0	0	0	0	0	0
Fernando chipunguane	М	Producer	Nhapele	0	0	0	1	0	0	0	0	0	0
Juliana Mahala	F	Producer	Nhapele	0	0	0	1	0	0	0	0	0	0
Anuario Cactano Chitunha	М	Producer (and school director)	Maimelane	0	0	0	0	0	0	1	1	0	0
Damiao Pedre Massinga	М	Producer (model farmer)	Vuca Interior	0	0	0	0	1	1	1	1	1	1
Rafael Kaba	М	Producer (model farmer)	Macovane	0	0	0	0	0	1	0	0	0	0
Ricardo Gurujo	М	Producer (religious leader)	Maimelane	0	0	0	0	0	0	0	1	0	0
Alfio Germia Situe	М	producer/collector	Vulanjane	0	0	1	0	0	0	0	0	1	0
Alfeu Alfred Matsinhe	М	Producer/President of group	Chimajane	0	0	1	0	1	0	1	0	0	0
Fatima Jose	F	Producer/President of group	Chimajane	1	1	1	1	1	0	0	0	0	0
Elena Jose	F	Producer/President of group	Manusse	0	0	0	0	1	0	0	0	0	0
Joana Zacarias Chambela	F	Producer/President of group	Nhapele	1	1	1	1	1	1	1	0	0	1
Josina Massingue	F	Producer/Secretary of group	Vulanjane	0	0	0	1	1	0	0	0	1	1
Adelino Guluve	М	Producer/Secretary of group	Chimajane	0	0	0	1	0	0	0	0	0	0
Eneia Jose	F	Producer/Secretary of group	Chitsotso	0	1	0	0	0	0	0	0	0	0
Samuel Manuel	М	Producer/Secretary of group	Macovane	0	0	0	1	0	0	0	0	0	0
Augusto Julai	М	Producer/Secretary of group	Vulanjane	0	0	0	1	0	0	0	0	0	1
Daine Nhacone	М	Producer/Secretary of group	Vulanjane	0	0	0	1	1	0	0	0	0	0
Valdimar Dumessave	М	Producer	Vulanjane	0	0	0	0	0	0	0	0	0	1
Sebastao Lopez	М	Producer/Worker for Jan and	Chitsotso	0	0	0	0	0	0	0	0	1	0



		Joey											
Birgit Boogaard	F	Research - ILRI	Vilanculos	0	1	1	1	1	1	0	1	1	1
Saskia Hendrickx	F	Research - ILRI	Maputo	1	0	0	1	0	0	0	0	0	0
Yenni Astete Salazar	F	Research - Student ILRI	Vilanculos	0	0	0	0	0	0	0	1	0	0
Caren Krul	F	Research - Student ILRI	Vilanculos	0	0	0	0	0	1	0	0	0	0
Yvane Marble	F	Research - Student ILRI	Vilanculos	0	0	0	0	0	1	0	0	0	0
Carlos(Casa luna)	M	Restaurant	Inhassoro	0	0	0	0	0	0	0	0	0	0
Samuel Nhanissane	М	Retailer	Mangungumete	1	1	1	1	1	0	0	0	0	0
Nassuirate Fluce Abdula	F	SDAE	Inhassoro	0	0	0	0	0	0	0	1	0	1
Emildo Mauricio Alberto	M	SDAE Inhassoro	Inhassoro	0	0	0	0	0	0	1	0	1	0
Lucas Vilanculos	М	SDAE Inhassoro	Inhassoro	1	0	0	0	0	0	0	0	0	0
Ivone Cacilda Titoue	F	SDAE Inhassoro	Inhassoro	0	0	0	0	1	0	1	1	0	1
Dionildo Chefo	M	SDAE Inhassoro/ Livestock	Inhassoro	1	1	0							0
		delegate					0	0	0	1	0	1	
Vicente Zefanias	M	SPP (provincial government)	Maxixe	1	1	0	0	0	0	0	1	0	0