



Formation

Serving the common good

Inades - Formation Kenya



ACTIVITY REPORT

2019

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Outgoing Board Members

- | | |
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| 1. Solomon Kyalo | Chairperson |
| 2. Teresiah Nganga | Vice Chairperson |
| 3. Zaccheaus Jimmy Katiti | Treasurer. |
| 4. Bernard Kitonyi | Secretary |
| 5. Lucy Mathenge | Member |
| 6. Janet Mumo | Member |
| 7. Janeffer Mwanthi | Member |

Newly Elected Board Members (2019 to 2022)

- | | |
|---------------------------|------------------|
| 1. Gabriel Mbokothe | Chairperson |
| 2. Onesmus Kyule | Vice Chairperson |
| 3. Zaccheaus Jimmy Katiti | Treasurer. |
| 4. Bernard Kitonyi | Secretary |
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| 6. Elizabeth Isika | Member |
| 7. Nelson Mung'ala | Member |

Staff Member 2019

- | | |
|----------------------|-----------------------------------|
| 1. Elizabeth Wanja | Managing Director |
| 2. Hannington Owegi | Team Animator |
| 3. Mary Kago | Chief of Administration & Finance |
| 4. John Mutua | Project Officer (CFVC) |
| 5. Hellen Mang'oi | Project Officer (NRM) |
| 6. Andrew Muendo | Project Officer (RLD) |
| 7. Salome Mutua | Project Officer (SOFDEV) |
| 8. Onesmus Mwangangi | Project Officer (COA) |
| 9. Meshack Ndambuki | Field Officer (LVC & GEF) |
| 10. Jacinta Muithya | Accounts Assistant |
| 11. Bendatte Mutindi | Office Administrator |
| 12. Anne Mutungi | Administrative Assistant |
| 13. Stephen Kavumbi | Driver |

List of Abbreviations

AFA	Agriculture and Food Authority
BIBA	Biodiversity & Biosafety Association of Kenya
BOD	Board of Directors
CFVC	Crops & Fruits Value Chain
COA	Community Advocacy
DTC	Drought Tolerant Crops
ECOBACC III	Enhancing Community Based Adaptation to Climate Change phase III
GEF	Global Environment Facility
GOF	Global Organic Firm
HHs	House Holds
IFK	Inades Formation Kenya
LVC	Livestock Value Chain
MTEF	Medium Term Expenditure Framework
NRM	Natural Resource Management
PELUM	Participatory Ecological Land Use Management
RLD	Research Learning and Development
SOFDEV	Solidarity Fund for Development

Forwarding

The year 2019 marked the second year of implementation of the three-year ECOBACC III Program (2018 – 2020). IFK secured funding from the GEF Small Grants Programme to accelerate uptake of renewable energy. The grant will help in supporting some interventions initiated by the just concluded SNV/ Machakos IAP Partnership which played a significant role in increasing adoption and uptake of smart water solutions. The socio-economic contribution of the donkeys to the livelihoods of the rural farmers in Makueni and Machakos counties is also an area Brooke East Africa and IFK are exploring through a possible partnership expected to start in 2020.

The committed IFK team worked tirelessly to support in fundraising and were successful in ensuring the above mentioned two projects come on board. The IFK team is also credited in successful implementation of ECOBACC III program which has positively impacted the 5600 project participants. A baseline was conducted in 2018 that has supported in monitoring the impact of our interventions. In 2019, IFK team with support of a consultant managed to document its impacts from 2012- 2018 in a recent capitalization report which focused in Mwala sub-county. The report clarifies the sustainability nature of IFK strategies and interventions in its vision of a prosperous and influential rural world.

A new BOD was appointed in April 2019 and just like the former BOD, they committed to support in Governance of IFK. There were also changes at the General Secretariat level where a new GS and Finance Director were recruited. The National Association members tirelessly and in the spirit of volunteerism supported in monitoring field activities, advising on office operations and ensuring good governance in the National Office.

The financial partners, Bread for the World, GEF, Brooke EA and the Netherlands Development Organisation supported in a commendable way to ensure the livelihoods of the rural farmers are improved. I call upon the partners to continue supporting Inades Formation Kenya in its interventions to reach deserving rural communities.

The goodwill and support by the Government departments while executing our mission is highly appreciated. The network organs such as PELUM, Prolinnova and all the stakeholders who supported IFK work in 2019 are greatly valued.

Kindly take time to interact with the IFK 2019 activity report and provide feedback. Your comments are crucial in informing subsequent programming of IFK interventions.

Elizabeth Wanja

Managing Director

1.0 Introduction

The Activities of Inades Formation Kenya in 2019 was dominated by interventions on improved agricultural productivity, agricultural innovations and technological adoption, improved access to credit and enhanced community participation in advocacy on issues affecting their livelihoods. During the year Inades Formation Kenya established a new partnership with Global Environmental Facility (GEF) to support uptake of solar powered pumps for irrigated agriculture and off- grid power for lighting and charging of household appliances. This report focusses on year two of Enhancing Community Based Adaptation to Climate Change (ECOBACC) phase three. The activities of 2019 are presented in this report following the IFK four thematic areas which are; climate change adaptation, food system based on family farming, community micro-finance and inclusive governance.

Capitalization of Mwala sub-County where Inades Formation Kenya implemented project activities since 2005 was conducted with support of external consultant. This exercise was twofold; first it was done to inform the organization on what worked (Success) and what did not work (Challenges). Second the capitalization was meant to inform future programing by Inades Formation Kenya, especially now when the funding paradigm is changing in Kenya.

The thematic area of Climate change focused on Soil fertility improvement, rehabilitation of degraded land, run- off water harvesting, energy saving cook stoves, agricultural innovations and solar energy solutions. Food systems based on family farming on the other hand addressed improvement issues around Drought tolerant crops and fruits value chains and livestock value chain. Community microfinance thematic area focused on access to finance through savings and lending, while community advocacy dealt with implementation of policies affecting family farmers with regard to agriculture and environment.

2.0 Interventions and Outcomes

2.1 Climate Change Adaptation

The projects on climate change focused on helping the target communities adapt and mitigate the adverse effects in order to realize improved livelihoods. During the year 2019, the components addressed on climate change included; sustainable land, soil and water management practices, improved cook stoves, solar uptake for irrigated agriculture and off-grid lighting and climate smart agricultural innovations. This thematic area reached out to 2300 households.

2.1.1 Sustainable land, soil and water management

Sustainable land, soil and water management practices are key in maximizing social and economic benefits of the land while maintaining and enhancing the ecological support functions of land resources.

Inades Formation Kenya supported 495 farmers through trainings, demonstrations and exchange visit programs. The key focus was on soil fertility and moisture retention improvement, rehabilitation of degraded land for improved land arability, run-off water harvesting for off-season crops production and improved nutrition at household level.

i. Soil fertility and moisture retention

Soil fertility and moisture retention is critical in improving agricultural productivity. Towards achievement of the same, IFK trained 495 farmers on conservation agriculture, 620 farmers on establishment zai pits and 109 farmers on establishment of moist gardens. As a result of these trainings and support 206 farmers adopted conservation agriculture, 49 farmers established zai pits as moisture retention techniques in their farms.



Kangondi/Uoaani cluster members participate in joint learning on establishment of zai pits



Beans grown on zai pits by Ngaamba demo farm group

ii. Rehabilitation of degraded land for improved land arability

During the year 2019, IFK in collaboration with PELUM mobilized and supported communities to rehabilitate degraded land in order to restore ecological balance and enhance livelihood resilience. A total of 49 HHs participated in rehabilitation of degraded land through construction of two gabions. Over 7800 tree seedlings were planted at farm and institutional level.



A farmer at Kwemaa location in Makueni inspecting a tree nursery



Good progress noted during a visit in one of the sites where trees were planted during the international Day of Forests in 2018



Rehabilitation work in progress at Musalabani rehabilitation site in Makueni county

iii. Run-off water harvesting

Inades Formation Kenya supported six groups to establish demonstration plots on run-off water harvesting and efficient utilization. Eight farmers have established water pans in their own farms enabling them to produce off-season crops for improved nutrition and income generation such as vegetables. Farmers especially women have increased their crops and livestock production. There is notable improved household income as a result of access to water.



Mengukya community group excavating group farm pond



Mengukya finished farm pond measuring 396 cubic metre



Kitchen gardens grown by Katiwa Nyamai, member of Maitu SHG

2.1.2 Improved cook stoves

Most rural households in developing countries cook over open fires. Women and children are the most affected by the emissions resulting from incomplete combustion from the open fires with a high risk of respiratory diseases infections. In addition to the health problems these communities face a fuel wood shortage due to massive consumption of fuel wood associated with inefficiency of open fires resulting to massive felling down of trees, which is driving deforestation and causing desertification.

In response to this, IFK build capacities of artisans to construct improved cook stoves for households and institutions in Makueni county with a target of reaching out to 1400 HHs with the stoves by 2020. Through marketing and customer sensitization on the benefits of these stoves in 2019, the artisans constructed the stoves for 204 HHs and 3 churches in Makueni County. The stoves have been adopted by a total of 705 HHs and 4 institutions in 2018 and 2019. This has translated to fuel wood saving by 50 – 60%, less trees are cut down since improved cookstoves use pruned branches as opposed to felling down of the entire tree. The use of less fuel wood also lowers the emission of greenhouse gases and therefore mitigate climate change and reduce deforestation

The households that have adopted improved cookstoves reported a reduced expenditure on wood fuel from an average of ksh. 4000/ month (2018 ECOBACC baseline Report) to Ksh. 2000/ month.



A woman artisan constructing an improved cook stove for Household use



A family poses for a photo after a successful completion of installation of a stove



An artisan enjoying a cup of tea served by a HH after testing the efficiency of the stove

The benefits of the improved cookstoves have been realized even beyond our target participants and geographical coverage creating a huge demand. Neighboring areas and counties which were not part of our target regions i.e. Kajiado, Kangundo and Emali have adopted the technology. The extensive adoption of the energy cook stoves calls for upscaling of the technology hence the need for more partnerships.



A spill over stove beneficiary in Kajiado county pose for a photo after a successful installation in her household

2.1.3 Solar Energy Solutions

The potential of solar energy is high in arid and semi-arid areas; however, its exploitation remains low. Inades Formation Kenya aims at reducing carbon emission through reduction of reliance on gasoline pumps. IFK aims at increasing the uptake of solar powered pumps and off-grid lighting appliances by rural households. A total of 1,371 farmers were reached through sensitizations, trainings and demonstrations on solar lighting appliances and solar powered irrigation systems.



IFK Officer sensitizing group on use of solar water pumps in Mwala sub-county

Ten demonstration centers were established where 600 farmers learnt on the benefits and cost-effectiveness of using solar pumps besides their environmental benefits. The farmers were also trained on high value crop enterprises and linked to financial service providers, input suppliers, extension officers and market actors.



Officers from IFK, County government and service provider installing solar water pump during demonstration (Mwala Sub-County)



IFK Staff and a group testing efficiency and use of solar pump in Mwala sub county

2.1.4 Climate Smart Agricultural Innovations

To strengthen community resilience to Climate change, IFK has been working with local communities to identify and promote indigenous and local innovations building on food security and nutrition.

IFK identified, appraised and trained 7 innovators on farmer-led research and conducted joint experimentation to improve food security and nutrition. The innovations focused on organic pest and disease control using Mexican merigold, traditional pest control using donkey waste, crossbreeding of different species of eggplant, traditional grain store, termite control using ash, guano manure as raw materials and traditional hotpot for retaining warmth. The innovators have been appraised and trained on joint experimentation research approach

The innovations have been able to reduce pest and disease invasion to crops and poultry hence increasing productivity and profitability



Traditional grain store



Innovators exhibiting Crossbreeding of different species of eggplant, organic pest and disease control, traditional hotpot

2.2 Food Systems based on family farming

The livelihood of small holder farmers in arid and semi-arid regions, such as the lower Eastern where Inades Formation Kenya works, largely depend on agricultural activities. To attain improved livelihoods, IFK has been working with rural communities on fruits, drought tolerant crops and livestock production, value addition and marketing. In 2019 a total of 770 farmers through organized farmer groups were supported on production, management and marketing of fruits, drought tolerant crops and livestock.

i. Drought tolerant crops and Fruits value chains

In our effort to improve community livelihoods on drought tolerant crops (DTC) and Fruit value chains, different strategies were used. These include; trainings, on-farm demonstrations and exchange visits. On-farm demonstrations focusing on grafting of Mango trees were carried out to enable farmers acquire skills and save the costs incurred in engaging external experts. During the period 402 farmers were supported on production & marketing aspects of DTC & fruits. The production of fruits increased from average of 13 fruit trees (Baseline) to 22 fruit trees (Mangoes & Paw paws) while production of DTC (Pigeon peas, Cow peas & Green grams) increased from 130.7 Kg (Baseline) to 275 Kg per household. Farmers were linked to two bulk buyers of fruits. As a result of the trainings and linkages, households reported an increase on income from marketing of fruits & DTCs income was noted to have increased from an average of Kshs. 2,263,559 (Baseline) to Ksh. 3,658,182. This translates to increase of 61.1%



Practical training on grafting mango trees at Kasikeu location



Members of Kanini Kaseo group in Katangi Location inspecting a farm with green grams for any possible infestation by pests and diseases

ii. Livestock Value Chain – Chicken and Goats

Livestock production and marketing focuses on chicken and goats. During the year 2019, the project targeted income improvement of 400 households by 20% of the baseline production and marketing of chicken and goats in three counties. A total of 368 farmers were supported on trainings, exchange visits and market linkages. Chicken production in the target areas increased from an average of 25 to 40 chicken per household compared to the 2018 production levels. Through on-site trainings and exposure visits, farmers were able to construct modern chicken houses and improve feeding regime of their chicken. There was notable improvement on chicken health as a result of regular monitoring and vaccinations against diseases.



A farmer from Kauma Location acquired a water tank thanks to the income from chicken enterprise

Through trainings and demonstrations on diseases control more farmers were able to control chicken mortality hence increased numbers for market as well as domestic use. During vaccination demonstration exercises, 1,920 chicken were vaccinated against New castle disease in Kasikeu and Ngaamba locations.



Farmers vaccinating chicken against New castle disease in Kasikeu location

Marketing of Chicken by farmers

Inades Formation Kenya has organized small holder farmers into producer-marketing groups. This is aimed at enabling farmers to aggregate their produce and market collectively to identified bulk buyers. This approach has been used in chicken enterprise and helps the farmers to increase their bargaining power and realize better prices. Most farmers who have low number of chickens end up selling them to local traders who pay low prices compared with the whole sale prices. IFK carried out sensitization to farmers in the project areas on the importance of volumes in chicken marketing. The organization identified and linked farmers with a bulk buyer of chicken (Global Organic Chicken Ltd) who was willing to pick them at farmers collection centers hence save on transport costs. The buyer promised to link the farmers with suppliers of one day old chicks who were to deliver the chicks to them at low cost. As a result of trainings and market linkages farmers reported an increase in income from Ksh. 8,558,350 (Baseline) to Ksh. 11,635,340. This translates to an increase of 35.9 %.



Chicken buyer and farmer discussion forum in Musengo Location, Kitui West Sub County also capture by SOFDEV?

2.3 Community Microfinance

Financial inclusion is a major concern among rural farming communities characterized by low income earners. Access to credit facilities from formal financial institutions to support their agricultural and livestock activities is limited since they are increasingly becoming risky ventures in the face of climate change. Harnessing and accumulating financial resources by the low-income earners provides a source of affordable long-term investable capital. In response to the financial access gap among rural communities, Inades Formation Kenya developed and is implementing a unique community microfinance model, Solidarity Fund for Development (SOFDEV), that is owned and managed by the communities. The model provides affordable savings and loan products at favorable terms hence enabling the communities to meet their socio- economic needs.

The SOFDEV model currently serves 3,357 SOFDEV members spread across Kenya’s Lower Eastern region. There are currently 7 established SOFDEV units in three counties of Kenya’s Eastern region; Machakos, Makeni & Kitui Counties. Out of the 7 units, 2 have attained maturity hence concentration of IFK support to 5, with one being a recently established unit. During the year, 4 units mobilized Ksh. 1,014,050 as savings among 672HH and disbursed credit worth Ksh. 6,675,000 among 299HH. The SOFDEV members have been able to boost their small and middle enterprises through the business loan product which has currently gained popularity hence attending to their socio-economic needs including food availability, health care and education. Through the savings products (current and fixed) members have been able to accumulate savings and attend to school fees needs and asset access.

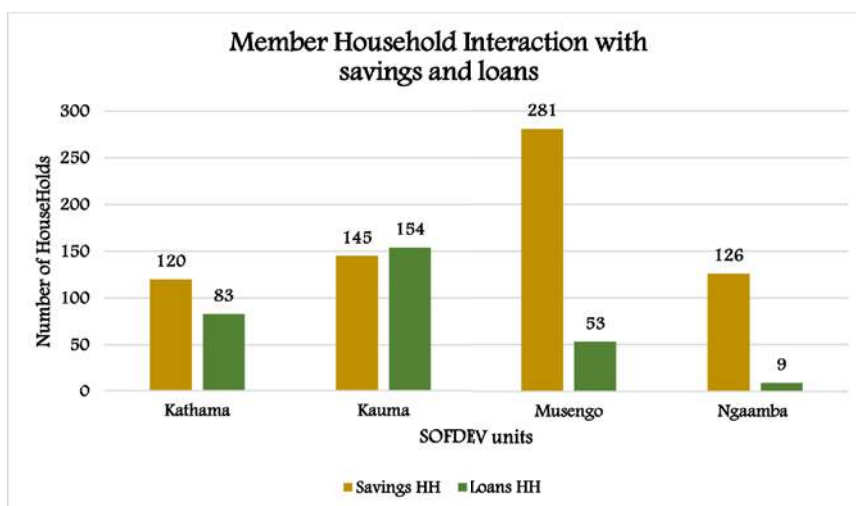
Table 1: Solidarity Fund for Development (SOFDEV) 2019 Results

Savings and Loans Increase			
	Target (2019)	2019 (Achieved)	Increase
Increase in savings by 10% (2018 savings - 14,636,416)	1,463,641	1,041,050	7.1%
Increase in loans by 10% (2018 loans -60,552,766)	6,055,277	6,675,000	11.2%

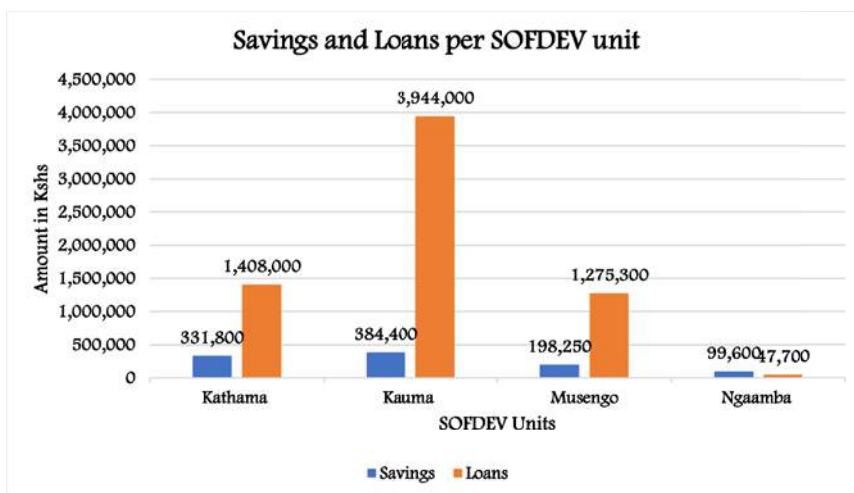
Performance of SOFDEV units in 2019

- In the year 2019 the SOFDEV units targeted a 10% increase in savings which would translate to Ksh. 1,463,641. The units achieved a 7.1% increase which is equivalent to Ksh. 1,041,050.
- In the same year the SOFDEV units targeted a 10% increase in loans which would translate to Ksh. 6,055,277. The units achieved an 11.2% increase which is equivalent to Ksh. 6,675,000.

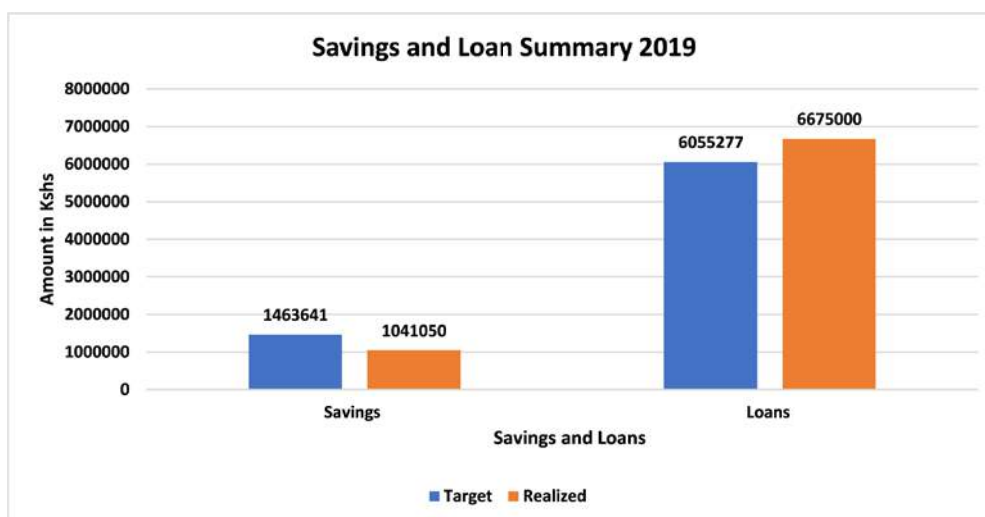
Graph I: Interaction of member households with the SOFDEV products



Graph II: Unit based Savings and Loans performance



Graph III: All SOFDEV units Savings and Loans Performance



The SOFDEV units Enterprise Initiatives

In the year 2019, the SOFDEV units were supported to develop business plans for their different enterprise initiatives. The initiatives were informed by the units' need to continue building their capital base and contribute to their sustainability. On-site trainings were conducted in Kathama, Kauma, Musengo and Ngaamba units to further discuss the rolling out of the business initiatives. Kathama and Kauma SOFDEV units are focusing on sale of farm inputs as they gear up towards establishing their own agro vets. Ngaamba SOFDEV is focusing on chicken feed formulation and production while Musengo SOFDEV is focusing on chicken production. An exchange visit was conducted for Musengo SOFDEV with Global Organic Firm (GOF) which is a large-scale chicken production firm to allow the members to learn different dynamics on chicken production and marketing.



An on-going Onsite training in Ngaamba SOFDEV

2.4 Inclusive Governance

Advocacy is essential in order to influence development and enactment of laws, regulations and decisions that work for all including marginalized community groups. The Community Advocacy (COA) initiatives by Inades Formation Kenya aimed at enhancing community involvement and participation in policy advocacy and decision-making processes on aspects of climate change, environmental management, and agriculture. These broad areas significantly affect community livelihood sources. The low involvement of community members in policy and decision-making processes were some of the considerations in strategizing the advocacy campaigns.

Several actors were engaged at national, county and community levels to influence decision-making processes through increased knowledge and participation of target communities. In the year 2019, the main activities undertaken were; community leaders' meetings to establish and strengthen advocacy networks, planning meetings (highlight the outcome) with existing networks at national and community levels, and public participation and submission of 2 memorandums at community levels.

Objectives

The community advocacy project aimed at ensuring that community participation in policy and decision-making processes on agriculture and environmental issues is improved. To achieve this objective, the project established three indicators to measure the change. The first indicator targeted establishment of 7 partnerships for enhanced policy implementation, research, learning and development. The second indicator was to ensure that 10 community petitions are successfully discussed and adopted by government and other agencies and finally the third indicator was to measure changes with regards to proposals for livelihood improvements.

i. Petitions

The national advocacy policy network submitted a written memorandum to the Ministry of Agriculture, and The Agriculture and Food Authority (AFA) on inputs to The Crops (Food Crops) Regulations, 2019. The memorandum raised concerns which the network members considered harmful and pose negative

effect on smallholder farmers in the county. The petition was on Crops regulations and presented to relevant government agencies (Ministry and the AFA) for interest of smallholder farming community.

IFK supported the Machakos County CSOs Network to make public views on the County Fiscal Strategy Paper (CFSP)2019/2020. A joint memorandum was forwarded to the clerk of County Assembly with views of the network for consideration. Key concern in the memorandum mainly focused on agriculture, water, land and environment among others through adjustment of budgetary allocations. A petition was also signed by members and submitted to the Assembly concerning status of the CIDP (2018-2022) which has not been formally concluded and released to public for referencing.

At National level, the national advocacy policy network submitted and presented a petition, to the Ministry of Health as well as the National and Senate Health committee, on the Harmful agricultural inputs in line with the National Food Security and Nutrition Policy. The petition highlighted the use of harmful inputs which have already been banned in other countries and have proven to have negative effects on the human health and the ecosystem.

The Machakos Civil society network which IFK is a member presented petition on the social accountability to the policy makers based on the Auditors report. Through the community advocacy networks, the Kitui Rural presented a petition to the Senate agriculture committee for more agriculture sector budget allocation to enhance farmer capacity in the agricultural value chains production.

Table 2: Petitions and proposals summery.

Petition/ Proposal	Recipient	Progress	Comments
The Crops (Food Crops) Regulations memorandum	Ministry of Agriculture, and The Agriculture and Food Authority (AFA)	Discussions and engagements on going	Now under the National Assembly and Senate Agriculture Committee
Harmful Agricultural inputs; Pesticides in Kenya	The National Assembly and Senate Health and Agriculture Committee	Discussions on going	The petitions is for the ban of the Harmful Agricultural inputs which have also been banned elsewhere.
County Medium Term Expenditure Framework (MTEF) Budget 2019/20- 2021/2022 Memorandum	Kajiado County Government, Executive	Effectuated	The agriculture, livestock, environment, water, environment and energy have been considered in the budget
County Fiscal Strategy Paper (CFSP)2019/2020 Memorandum	Machakos County Government, County Assembly	County Assembly level	Discussions on going
County Integrated Plan Development 2018/2022 Petition	Machakos County Government, County Assembly	Approved	Adopted
Social Accountability petition -Agriculture, environment and Health sector	Machakos County Government, Executive	Discussion underway	The follow up meetings 2020 period
Kitui County Government Agriculture budget allocation	Senate Agriculture Committee	Discussions ongoing	Follow up 2020 period

ii. Establishment of networks

Two (2) community level networks were formalized with establishment of governance structures; Kitui west advocacy and Yatta advocacy networks. Four (4); Community advocacy network leaders' meetings (Kitui Rural, Kitui West, Yatta and Kilome) were organized and their capacity enhanced on the policy processes

In collaboration with PELUM Kenya, a memorandum was submitted to Kajiado county concerning County Medium Term Expenditure Framework (MTEF) Budget 2019/20- 2021/2022. This is upscaled activity outside our target areas. The submission highlighted proposals on projects / programmes by community to be considered in agriculture, livestock, water, environment and energy for benefit of rural communities.



Machakos CSO network during meeting on reviewing The Machakos CFSP 2019/2020



Community Advocacy Network Committee governance establishment



Machakos and Makueni Farmers sensitization of Harmful Agricultural Inputs

Lessons Learned

Demonstration of off grid

Through on-site demonstration of solar powered pumps more partnerships have emerged enhancing project sustainability. Demonstrations has therefore become a new avenue for partnership networking and collaboration

Upscaling or spill overs – cook stoves, (financial constrain – high demand)

Promoting projects/programs which are linked to social enterprises have higher potential of replication, upscaling and sustainability. This has been exhibited by the energy saving cook stove spill over to other Locations and Counties which are outside the initial target areas.

Partnership, collaborations and complementing – (PELUM, BIBA, GOVERNMENT)

Partnerships, networking and collaborations is one of the key strategies for ensuring projects success and sustainability. Through partnership and collaboration with PELUM Kenya, BIBA, County and National governments, Inades Formation Kenya was able to reach more beneficiaries with improved results. It is therefore important to continuously explore new avenues of establishing and managing partnerships and collaborations

Flood management

Disaster, risks response and management strategies by the governments and keys stakeholders remain inadequate and lessons learnt from such phenomenon in the past are not being applied effectively.

Our Partners



PELUM KENYA



Serving the common good

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