



REPUBLIC OF KENYA



TURKANA COUNTY

# **TURKANA COUNTY GOVERNMENT**

## **PARTICIPATORY CLIMATE RISK VULNERABILITY ASSESSMENT REPORT**

**26<sup>TH</sup> MAY 2023**

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## Foreword



The adverse impacts of climate change are a major challenge to socio-economic development globally. The African continent, including the East African region, is particularly vulnerable to impacts of climate change, affecting key economic drivers such as water resources, agriculture, energy, transport, health, forestry, wildlife, land and infrastructure, disaster risk management among others. The impacts include water stress and scarcity; food insecurity; loss of biodiversity and ecosystem degradation; increased incidence of disease burden; destruction of infrastructure; high costs of disaster management as a result of increased frequency and intensity of droughts, and floods with the El Niño phenomenon.

Turkana County Government set up institutional and policy framework that aim to address climate change impacts in the region. Turkana County has the County Climate Change Policy 2021; County Climate Change Act 2021; and the County climate change finance regulation. This Participatory Climate Change Vulnerability Risk Assessment (PCRA) provides a comprehensive baseline for the development of the County Climate Change Action Plan 2023-2027. This assessment is conducted to enhance the planning process on climate change for each ward in Turkana County. This is required for the effective adoption and implementation of national policies and legislations on climate change at the sub-national level. Of interest is the updated Nationally Determined Contributions (NDC) and the National Climate Change Action Plan (2018- 2022). Besides, it is considered that a climate change risk and vulnerability assessment would promote the prudent use of resources and enhance transparency and accountability especially on the use of climate change finances in Turkana County.

Through this assessment, I believe the Participatory Climate Change Vulnerability Risk Assessment will provide the County Government, stakeholders, decision makers and community leaders with information relevant in defining their adaptation priorities and climate change action plans. The climate change vulnerability risk assessment will also provide guidance in identifying where and what critical actions are needed to effectively manage climate change impacts and advance the adaptive capacity of Turkana Communities.

**H.E, HON. JEREMIAH EKAMAIS LOMORUKAI NAPOTIKAN**

**THE GOVERNOR**

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**Hon. Iris Mariao**

**CECM - Ministry of Tourism, Culture, Natural Resources and Climate Change**

**The County Government of Turkana**

## Executive Summary

Climate change is a major challenge across the world affecting various livelihood systems. The ever-increasing climate change variabilities have severely impacted lives and negatively affected economies thus livelihoods and economies across many regions in the world, influenced by both anthropogenic and natural factors. The Global Climate Risk Index (2020) highlights that people all over the world are facing the reality of climate change in many parts of the world, this is manifesting in increased volatility of extreme weather events. Therefore, climate change is one of the most significant development challenges facing humanity. There is increasing evidence that climate change directly affects the social, economic, and human development of countries. Taking urgent action to combat climate change, therefore, has become one of the key global development priorities.

Kenya is already experiencing increased episodes of climate change, manifested by seasonal changes in precipitation and temperature of varying severity and duration and this would continue to negatively affect crop production and food security to the already vulnerable communities in the arid and semi-arid areas. Future projections indicate that climate variability will likely alter cropping patterns and yields in several regions. As the country is faced with a high population growth rate and rapid urbanization, crop production and food security systems need to become more adaptive as uncertainties of projected climate variability and change unfold. This situation affects the arid and semi-arid regions whose livelihood systems are solely dependent on the environmental systems which are already highly fragile. This calls for intense resilience building through climate funding initiatives focusing on vulnerable communities especially the ASAL areas given the high climate risks they face.

Turkana County is among largest and least developed counties in Kenya. The county is among twenty-three ASAL counties receiving low rainfall and high temperatures. Turkana County hosts pastoral communities who mainly depend on livestock. Climate change has severely impacted this livelihood system given the continued intense climate variabilities experienced in the region that have led to hunger and loss of livestock. Climate change impacts are increasingly being recognized as critical challenge to pastoral production systems in the arid and semi-arid rangelands. Furthermore, the projected climate scenarios are expected to aggravate some of the existing vulnerability of natural resource-dependent communities such as Turkana, and likely to impose new risks beyond the range of current experiences. Temperatures in Turkana County are steadily rising and projections show that temperature will continue to increase significantly until the end of this century. Turkana County is, therefore, vulnerable to climate change and it is important to design an ambitious climate change adaptation plan that will improve adaptive capacity of the local community members. Vulnerability in this region is high given its arid nature thus exposes community members to extreme drought incidences resulting from continuous failed seasons.

This assessment provides details from findings on how climate change has impacted communities from 30 wards of Turkana County. The assessment is organised into various chapters. Chapter one covers the Context of the Participatory Climate Risk Assessment (PCRA). It provides a

background on the PCRA process, policy context, purpose of the PCRA process and the key steps followed in the assessment.

The second chapter discusses the county climate hazard profile. The chapter in details gives the current and historical climate hazards and trends; exposure and vulnerability profiles of the county; Differentiated impacts of climate trends and risks; and partial distribution of risks.

The third chapter looks into the future Climate Scenarios for the county. It discusses the National and downscaled climate change projections; and the County future climate scenarios

The fourth chapter analyses the existing resilience/ adaptation strategies to current and future climate risks. It gives an Overview of existing adaptation/resilience strategies and their effectiveness to current climate risks, and highlights effectiveness of adaptation/resilience strategies to future climate risks

The fifth chapter looks into the County Climate Strategic Adaptation Investment/Action Priorities while the sixth chapter gives conclusions and it summarizes the report and next steps

## Acronyms

|        |   |
|--------|---|
| UNFCCC | - United Nations Framework Convention on Climate Change |
| IOM    | - International Organization for Migration              |
| CIDP   | - County Integrated Development Plan                    |
| INGOs  | - International Non-Governmental Organizations          |
| NGOs   | - Non-Governmental Organizations                        |
| FBOs   | - Faith Based Organizations                             |
| CSOs   | - Civil Society Organizations                           |
| CADP   | - County Annual Development Plan                        |
| CECM   | - County Executive Committee Member                     |
| CCO    | - County Chief Officer                                  |
| CCAP   | - County Climate Change Action                          |
| NCCRS  | - National Climate Change Response Strategy             |
| NCCAP  | - National Climate Change Action Plan                   |
| PCRA   | - Participatory Climate Risk Assessment                 |
| NDC    | - Nationally Determined Contributions                   |
| UNWFP  | - United Nations World Food Program                     |
| IOM    | - International Organization for Migration              |
| CRS    | - Catholic Relief Services                              |
| NCCRS  | - National Climate Change Response Strategy             |
| DFID   | - Department for International Development's            |
| SLA    | - Sustainable Livelihood Approach                       |
| KII    | - Key Informant Interviews                              |
| FGDs   | - Focus Group Discussions#                              |
| RCPs   | - Representative Concentration Pathways                 |
| SPSS   | - Statistical Package for Social Scientists             |

## Definition of Terms

**Adaptation** means adjustment in natural or human systems in response to actual or expected climatic stimuli or their effects which moderates harm or exploits beneficial opportunities.

**Adaptive capacity** refers to the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or to respond to consequences

**Carbon credits** are generated by projects that deliver measurable reductions in GHG emissions.

**Climate change** means a change in the climate system which is caused by significant changes in the concentration of greenhouse gases as a consequence of human activities and which is in addition to natural climate change that has been observed during a considerable period.

**Global warming** refers to the gradual increase, observed or projected, in global surface temperature, as one of the consequences of climate change.

**Hazard:** The potential occurrence of a natural or human-induced physical event or trend or physical impact that may cause loss of life, injury, or other health impacts, as well as damage and loss to property, infrastructure, livelihoods, service provision, ecosystems, and environmental resources.

**Migration:** The movement of persons away from their place of usual residence, either across an international border or within a State.

**Mitigation** means human interventions that seek to prevent or slow down the increase of atmospheric greenhouse gas concentrations by limiting current or future emissions and enhancing potential sinks for greenhouse gases.

**Resilience** refers to the capacity of social, economic and environmental systems to cope with a hazardous event or trend or disturbance, responding or reorganizing in ways that maintain their essential function, identity and structure, while also maintaining the capacity for adaptation, learning and transformation.

**Vulnerability** refers to the propensity or predisposition to be adversely affected. Vulnerability encompasses a variety of concepts and elements including sensitivity or susceptibility to harm and lack of capacity to cope and adapt.

## I. Context of the Participatory Climate Risk Assessment (PCRA)

In Turkana County, climate change has significantly affected ecosystems, their functions and the many benefits and services that they provide to local people, including the ability of ecosystems to regulate water flows and cycle nutrients. As these services erode, the impacts are being felt by people, communities and economies throughout the county and beyond. Food insecurity, water scarcity, altered disease patterns, extreme weather events, displacement of communities, migration, population growth, and human conflict are among the reported effects of climate change on human health that were identified from the literature materials reviewed and also what the Key informant community members shared. Turkana County is extremely vulnerable to impacts of changing climate. The county has come face to face with unprecedented challenges of climate change impacts and the corresponding socio-economic losses to communities living in the County. Most livelihoods and economic activities in the County are reliant on climate sensitive sectors namely agriculture, livestock, fisheries, water, forest, and wildlife. Dependence on these natural resources means that recurring droughts, locust, erratic rainfall patterns and floods as a result of climate change will continue to negatively impact livelihoods and community asset.

Before identifying appropriate climate change adaptation actions, it is good to understand the local vulnerabilities including the most vulnerable economic sectors, social groups, and communities. This can be achieved through a vulnerability assessment, which is a process of identifying, measuring (quantifying), and analysing vulnerability to climate change and hazards. The Ward and County Climate change vulnerability risk assessment will lead to the development of Ward and County Climate Change Action Plan 2023-2027. The plan is expected to identify sectoral adaptation needs and also detail specific sectoral action plans, key implementing partners and indicative costs. The plan must be complementary and consistent with existing strategies of the National Climate Change Response Strategy (NCCRS), as well as development and economic plans, principally the County Integrated Development Plan (CIDP) and National Climate Change Action Plan (NCCAP).

### I.1 Introduction and Background

Climate change is globally acknowledged as one of the most significant development challenges facing humanity. There is increasing evidence that climate change is directly affecting the social, economic, and human development of countries. As such, combating climate change has become one of the key global development priorities. The Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) presents strong evidence that surface temperatures across Africa have increased by 0.5-2°C over the past 100 years, and from 1950 onward climate change has changed the magnitude and frequency of extreme weather events (IPCC, 2014). Africa is one of the most vulnerable continents to the impacts of climate change.

From the local level to the global, climate change has, therefore, become an economic, political, social, and environmental challenge, and Africa is especially vulnerable to its adverse effects. This is worsened by the fact that most of the continent's economies depend on climate sensitive natural resources and have very low levels of adaptive capacity and extreme levels of poverty.

In Kenya, climate change has increased the frequency and magnitude of extreme weather events that have led to the loss of lives, diminished livelihoods, reduced crop and livestock production, and damaged infrastructure, among other adverse impacts. Climate change is likely to negatively impact Kenya's future development and achievement of the goals of Kenya's Vision 2030 – the long-term development blueprint which focuses on ensuring food, and nutrition security, affordable and decent housing, increased manufacturing and affordable healthcare.

Turkana County is extremely susceptible to impacts of changing climate. Over the years, the county has come face to face with unprecedented challenges of climate change impacts and the corresponding socio-economic losses to communities living in the County. Most livelihoods and economic activities in the County are reliant on climate sensitive sectors namely agriculture, livestock, fisheries, water, forest, and wildlife. Dependence on these natural resources means that recurring droughts, locust, erratic rainfall patterns and floods as a result of climate change will continue to negatively impact livelihoods and community asset. Turkana people predominantly secure their livelihood from pastoralism, businesses, employment and agropastoralism. However, this has come under pressure due to inter-related issues including population growth, the impacts of climate change, increased drought and continued environmental degradation. Subsequently, natural resources are limited and often prompt conflict among neighboring countries and counties. Climate change has significant implications on key livelihoods, particularly pastoral and agro-pastoral systems in the region. The county is progressively recognizing the need to increase budget allocations for climate actions given the far-reaching adverse effects of climate change on livelihoods and development fronts. This process of financing climate change activities has been substantially supported by the county government and various partners to ensure effective financing of climate change initiatives that will help improve the adaptive capacity of the local community members in the region.

To effectively address the threats posed by climate change and enhance resilience to its impacts, there needs to be a targeted approach with specific objectives and defined outcomes. Participatory Climate Risk Assessments (PCRA) provide the necessary information needed for the targeted approaches. The National Climate Change Framework Policy requires the Government to ensure integration of participatory climate change risk and vulnerability assessment in environmental impact assessments and strategic environmental assessments. This is aimed at enhancing climate resilience and adaptive capacity.



The Participatory Climate Risk Assessments (PCRA) in Turkana has been conducted to enhance the planning process on climate change for each ward in Turkana County. This is required for the effective adoption and implementation of national policies and legislations on climate change at the sub-national level. Besides, it is considered that a climate change risk and vulnerability assessment would promote the prudent use of resources and enhance transparency and accountability especially on the use of climate change finances in Turkana County.

### 1.1.1 Methodology

#### Location, Demographics, and administrative structures

The study was undertaken in Turkana County. Turkana County covers a land area of 77,000 km<sup>2</sup>, accounting for 13.5% of the total land area in Kenya. It lies between Longitudes 34° 30'E and 36° 40'E and between Latitudes 10° 30'N and 50° 30'N. Turkana is located in the northwest of Kenya and borders Uganda to the west, South Sudan, and Ethiopia to the north and northeast, respectively. Internally, it borders West Pokot and Baringo counties to the south, Samburu County to the southeast, and Marsabit County to the east.

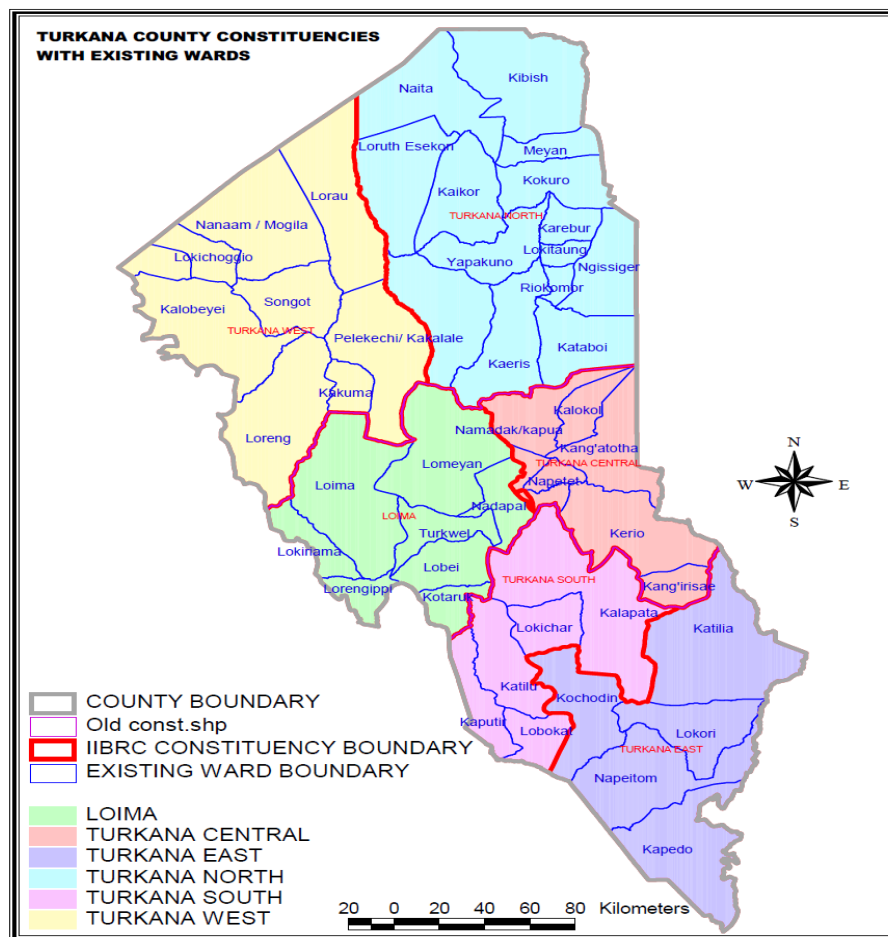


Figure 1: Turkana County Administrative and Livelihood Map

## **General Strategy**

For the entire County, the Ward Climate Change Risk and Vulnerability Assessment and Ward Climate Change Action Planning was carried out through participatory processes involving all the key stakeholder groups such as relevant government agencies, academia, researchers, civil society organizations, the private sector, and local communities in the County. Further, present in the community meetings were women, youth, ethnic minorities, people living with disabilities and other marginalized and vulnerable groups. In every community meeting, people living with disabilities and old were present. Further, the refugees also participated in the process and their views were considered. The task team ensured that during the mobilization process, the minority groups were represented among the participants and were given opportunity to substantially contribute by giving their opinions and views. Examples of minority groups involved in this assessment process were the El-Molos from Kerio who are among the smallest tribes in Kenya (See the attached list of participants). The process was evidence-based and involved data collection and analysis. The process adopted a constitutionally prescribed process of public participation and the Kenya Law Reform Commission Guidelines 2015.

## **Research**

This assessment was conducted as per the Inter-Governmental Panel on Climate Change (IPCC) 2014 climate risk and vulnerability assessment framework, the Department for International Development's (DFID) Sustainable Livelihood Approach (SLA) and the PCRA Manual/Guideline. Following this approach, data was collected on pre-determined specific indicators that were designed to systematically analyze individual contributing factors of climate change vulnerability namely, adaptive capacity, sensitivity and exposure. More specifically, the proposed methodology involved ward technical meetings; local community participatory workshops; surveys at ward level; a desk review of literature; use of secondary socio-economic and environmental data; and creation of datasets based on available geo-referenced data.

## **Survey Instrument Design**

Guided by the national climate change risk and vulnerability assessment framework, the survey instruments were designed to meet the objectives and obtain the information required to establish the baselines. The instruments used were Key Informant Interview Tools, Focus Group Discussion Tools, Participatory Climate Change Vulnerability Risk Assessment Modules Designed for Turkana Context, and Household Interview Tools (See Annex 5).

## **Pilot Testing**

To ensure quality of the data collected, the task team conducted a pilot test of study instruments and data collection tools prior to main data collection. Pilot testing included cognitive interviews and focus group discussion based on the populations of interest. The pilot test results provided:

- Feasibility of sample selection plan
- Variability of survey population

- Testing the length and flow of the questionnaire
- Establishing the response rate
- Testing the full logistics of the survey cycle

Data collection instruments were updated and refined based on the results of the pilot test.

## Data Collection

The task team visited the 30 Wards in Turkana County for Data collection. Consultative workshops were conducted in every Ward. Data for this assessment was collected using structured questionnaires, Key Informant Interviews (KIIs) in each ward, Focus Group Discussion Guides (FGDs) in each Ward, two (2) days PCRA module discussions in each ward, and review of relevant literature that include reports, policies, legislations, articles and books. For the Household Surveys, the questionnaire was set up in KOBO Collect to allow for electronic data collection. The questionnaires were administered in the sampled groups by the experts and enumerators engaged for this assignment. The KIIs was prioritized from climate sensitive sectors like agriculture, Livestock, Natural Resources, Metrological, NDMA, Disaster, water, health and governance sectors. FGDs were administered to ward climate change committee members in wards as well as opinion leaders and interest groups in each ward.

## Areas of Engagement

Areas of engagement for climate risk and vulnerability assessments

| Tool | Description   |
|------|---|
| 1    | Semi-structured interview with community members <ol style="list-style-type: none"> <li>1. Group Interview with community members with focus on ecosystems profile, observed climate changes and impacts on ecosystems and agriculture.</li> <li>2. Group interview with community members with focus on socio—economic profile, observed climate changes and impacts on livelihood.</li> <li>3. Group interview with community members with focus on infrastructure profile, observed climate changes and impacts on infrastructure.</li> <li>4. Focus group discussion with community members (women, girls, youth and special groups) to explore gender roles and vulnerabilities</li> </ol> |
| 2    | Participatory Community and Risk Mapping  |
| 3    | Developing community seasonal change calendar to identify observed climate changes and impacts on livelihood  |
| 5    | Developing a Potential Impact Pathways graph  |
| 6    | Developing a Venn Diagram for mapping key stakeholders  |
| 7    | Vulnerability indexing  |

Table 1: Table showing areas of engagement for the assessment

### **Climate Change Data - Climate Modeling, Projections, and Trends**

The study adopted the **Representative Concentration Pathways (RCPs)** of the warming potentials. The assessment adopted the hyperparameter approach, whereby all the systems influencing weather over the Turkana region will be parameterized. Factors such as the influence of low-level Jet (Turkana Jet), which is usually associated with the aridity over Turkana County were also studied.

The study analyzed the Regional Climate Models (RCMs), downscaled from the Global Climate Models (GCMs) at three levels; Historical, Current, and into the Future under four plausible future climate change scenarios namely; RCP4.5, and RCP8.5, with main concentration at the RCP4.5 and RCP8.5, for the business as usual and business unusual due to the warming potential of carbon dioxide equivalent in the atmosphere.

### **Data Analysis**

Data from the various sources was cross analyzed to identify the climate change risks and vulnerabilities in the Wards/County. Various data analysis tools and procedures were used and applied including Statistical Package for Social Scientists (SPSS), excel spreadsheets, and content analysis for qualitative data, rainfall trend and variability analysis.

### **Data Quality Control Measures**

The following measures were put in place to ensure data quality before data collection; pre-testing tools and pilot testing procedures, provision of standard instructions on common errors and defining the minimum duration for completing a quantitative interview.

During data collection exercise, over the supportive shoulder supervision of enumerators was ensured. After data collection, post-completion review of the data was done; analysis of survey completeness/errors; deletion of incomplete errors and questionnaires for respondents who declined interviews; analysis of time taken per questionnaire; labelling and analysis; and triangulation of findings-using results from various data collection methods.

### **Ethical Considerations and Quality Control**

The survey team adhered to the highest ethical standards. The standards include the survey being independent and impartial, culturally meaningful approaches to the informed consent process, provision of detailed information on risks and benefits of participation in the study. Further, plans for resolving conflicts surrounding evaluation implementation were developed while voluntary participation without coercion will be ensured, including the confidentiality of data. Finally, the cultural traditions of study populations and communities were respected.

## **Summary of Findings**

For Turkana County, results show that there was indeed evidence of climate variability, climate change, land use changes and streamflow changes in the county. The results were in agreement with perception of the community and stakeholders on issues of climate variability, climate change, and land use changes. Rainfall is highly variable in Turkana region resulting to extreme climate events. Droughts and Floods were the main hazards that have impacted on livelihoods of Turkana communities. Future rainfall is also highly variable and showing a moderately increasing trend. This high to extreme variability in rainfall is likely to lead to greater scarcity and variability of the water available for households' food production in the county. This tends to make it difficult for any meaningful planning of rainfall dependent livelihood activities such as pastoralism and agro-pastoralism.

### **I.2 Policy Context**

Kenya takes climate change seriously. This is demonstrated by its enactment of the Climate Change Act (Number 11 of 2016). This Act is the first climate change-dedicated legislation in Africa. It provides the regulatory framework for enhanced response to climate change, and mechanisms and measures to transition to low carbon climate resilient development. Given the effects of climate change in Kenya, the national government, county governments, and various actors have made concerted efforts to ensure adaptive capacities of citizens are improved. The act provides the regulatory framework for enhanced response to climate change, and mechanisms and measures to transition to low carbon climate resilient development. Complementarily, the Kenya's National Adaptation Plan 2015-2030 (NAP) was submitted to the UNFCCC in 2017. The NAP provides a climate hazard and vulnerability assessment, and sets out priority adaptation actions.

The Climate Risk Management Framework 2017 for Kenya integrates disaster risk reduction, climate change adaptation, and sustainable development, so that they are pursued as mutually supportive rather than stand-alone goals. It promotes an integrated climate risk management approach as a central part of policy and planning at National and County levels. At the national level, several ministries and departments have established climate change units and climate change-related plans and policies to guide them in mainstreaming climate actions in their sectors. The National Climate Finance Policy promotes the establishment of legal, institutional, and reporting frameworks for access to, and management of climate finance. The goal of the policy is to further Kenya's national development goals through enhanced mobilization of climate finance that contributes to low carbon climate resilient development goals.

The County Government of Turkana supported by various development partners has established the relevant climate change policy frameworks and instruments including Turkana Climate Change Policy 2021, Turkana County Climate Change Act 2021, and the Turkana County Climate Change Financial Regulation 2021 which aim to improve adaptive capacity of the community

members. Guided by the Act, policy and regulation, Turkana County Government has established various committees to support the implementation of the climate change policy and coordination between various partners and institutions. These committees include: The County Climate Change Steering Committee; Climate Change Directorate; County Climate Change Planning Committee (CCCPC); and the Ward Climate Change Planning Committees. These committees have been actively involved in the Participatory Climate Change Risk and Vulnerabilities Assessments process which the Turkana County Climate Change Act 2021, section 31 (1) stipulates that “The County Executive Committee Member shall in consultation with the Steering Committee and relevant sectors and through a participatory process involving relevant stakeholders, formulate a County Climate Change Action Plan within one year of this Act coming into force.” (TCG, 2021)

### 1.3 Purpose of the PCRA Report

Before identifying appropriate county climate change adaptation actions, it is good to understand the local vulnerabilities including the most vulnerable economic sectors, social groups and communities. This can be achieved through a vulnerability assessment, which is a process of identifying, measuring (quantifying) and analyzing vulnerability to climate change and hazards. The prime objective of the proposed vulnerability assessment framework is to support long-term strategic adaptation planning including the identification of objectives for climate-resilient development, and designing actions that best use the resources available to achieve them.

This assessment will inform local, regional, and national authorities (and international development organizations/donors) on: Underlying causes/factors of vulnerability including ecological, socio-economic and infrastructure; The most vulnerable locations, sectors, and social groups at current time; Potential consequences of climate change in the short-, medium-, and long-term; and those sectors that require, immediate, mid-term, and long-term action for building local-level resilience.

### 1.4 Key steps in the county's PCRA process

The Participatory Climate Change Risk and Vulnerability Assessment was carried through a participatory process involving all the local community members from all the wards, key stakeholder groups such as relevant government agencies, academia, researchers, civil society organizations, and the private sector. The PCRA process in Turkana involved community members who gave their views on experiences they have on climate change impacts.

The assessment process in Turkana County complied with the legal requirements for public participation because the constitution obligates the State and all State organs to ensure adequate public consultation on all public policies, legislation or any decision that is likely to impact on the people of Kenya. The study adopted a bottom-up approach whereby views of the local community members were gathered through public participation of community members.

Public participation was conducted in all the thirty (30) wards in Turkana County. The sessions were as inclusive as possible to include all segments of the society including equal participation of women and men while considering other vulnerable groups such as youth, people living with disabilities etc. and other special interest groups. The public participation sessions were organized to ensure voice of women, youth and physically challenged is heard by conducting special sessions for the women, youth while ensuring representations of people living with disability.

The Climate Change Risk and Vulnerability Assessment reports were debated and negotiated with community members, and other stakeholders. Views collected were used to beef up the assessment report. Awareness creation session helped with relevant County Assembly Committee to familiarize the members with the policy and incorporate their views in the draft in preparation for tabling at the County Assembly.

## 2. Turkana County Climate Hazard Profile

### 2.1 Historical and Current Climate Hazards and Trends

Turkana County has been highly impacted on by climate change, with droughts being the most common and some instances of flooding in some areas. The effects of climate change in Turkana County include unpredictable rainfall, extreme rainfall, frequent and prolonged dry spells, and increased daytime temperatures. These hazards pose a growing threat to the agricultural sector. Drought and heat stress are major threats to Turkana County that often result in loss of pasture, starving livestock, drying water sources, and conflict among pastoralists over resources.

By July 2022, drought had affected an estimated 728,000 people. The main livelihoods for people in this county are pastoralism, agropastoralism, and fishing. In 2018, floods had impacted on households living along River Turkwel and over 5,000 people were displaced combined with losses of livestock and properties near flood prone zones. Other climate related hazards included famines, strong winds, waterborne diseases, and vector borne diseases.

### 2.2 Exposure and Vulnerability Profiles of The County

Climate change impact differently on different community members and has heightened impacts on vulnerable groups including men, women, the poor, disabled, and the homeless thus threatening the achievement of sustainable development goals and Kenya's vision 2030. Climate change has increased the frequency and magnitude of extreme weather events in Turkana causing loss of lives, diminished livelihoods, reduced crop and livestock production, and damaged infrastructure, among other adverse impacts. An example is the torrential rains and severe flooding from March to May 2018 that devastated communities that were already struggling to recover from a prolonged drought. Climate change is likely to negatively impact Turkana's future development and achievement of its mission, which is "to facilitate the socio-economic transformation of Turkana through sustainable use of resources to ensure a high quality of life for the people of Turkana County".

From the assessment, it was found out that the communities were more exposed and vulnerable to drought, floods, waterborne diseases, and cross border conflicts resulting from competition over resources. The table below highlights some of the findings from a hazard vulnerability ranking activity in Loima Ward, Turkana County during the assessment. The table below (Table 2) shows an example of vulnerability ranking by community members in Loima Ward, Turkana County.



### Hazard Ranking by Community Members in Loima Ward, Turkana County

| CATEGORY | RESOURCES  | DROUGHT | DISEASES | CROSS<br>BORDER<br>CONFLICT | TOTAL |
|----------|------------|---------|----------|-----------------------------|-------|
| NATURAL  | Rivers     | 3       | 0        | 3                           | 6     |
|          | Minerals   | 2       | 0        | 2                           | 4     |
|          | Hills      | 1       | 0        | 1                           | 2     |
| PHYSICAL | Settlement | 3       | 2        | 3                           | 8     |
|          | Roads      | 0       | 0        | 1                           | 1     |
| ECONOMIC | Livestock  | 3       | 3        | 3                           | 9     |
|          | Businesses | 3       | 2        | 2                           | 7     |
|          | Farming    | 3       | 3        | 0                           | 6     |
| SOCIAL   | Schools    | 2       | 1        | 1                           | 4     |
|          | Hospitals  | 1       | 2        | 1                           | 4     |
|          | Families   | 3       | 2        | 3                           | 8     |
| HUMAN    | Skills     | 1       | 0        | 0                           | 1     |
|          | Security   | 1       | 0        | 3                           | 6     |
|          | health     | 3       | 1        | 2                           | 6     |
| TOTAL    |            | 31      | 15       | 25                          |       |
| RANKING  |            | 1       | 3        | 2                           |       |

**Ranking:** 3=High Impact; 2=Medium Impact; 1=Low Impact; 0=No or Positive Impact

Table 2: Table showing hazard vulnerability ranking in Loima Ward in Turkana

## 2.3 Differentiated Impacts of Climate Trends and Risks

The population of Turkana County is made up principally of the Turkana people who are mainly pastoralists who focus on nomadic cattle herding (TCG-CIDP, 2018). Many households have lost livestock in recent years due to climate variabilities such as droughts and floods. With fewer people in Turkana able to make a living from livestock keeping alone, a significant proportion of Turkana households, across all wealth groups, now source the majority of their food from market purchase rather than from livestock products (Save the Children 2016). The arid environment in the County and its marginal location within Kenya enables very few viable livelihood alternatives to nomadic pastoralism, resulting in high levels of poverty and food insecurity among the population.

Climate impacts affect disadvantaged social groups more disproportionately. Climate change is likely to provoke the drivers of conflict in many livelihood systems, including pastoral production. Climate variability and change have led to increased droughts and floods which have resulted in the loss of animal and human lives, displacements and destruction of property, reduced pasture availability and scarcity of water. This has increased poverty and competition over scarce resources (Waila, 2018). The changing climate patterns and dwindling livestock numbers have pushed the Turkana to consider alternative sources of livelihood, such as firewood and charcoal

burning, the sale of local brew, and fishing. Unfortunately, these newly adopted economic means have detrimental effects on both the community and surrounding environment. For instance, firewood and charcoal burning are the primary source of fuel for inhabitants of the Kakuma refugee camp and urban centers within and beyond Turkana County. Although selling charcoal meets a short-term need as a source of income, it is estimated that the resulting deforestation and long-term impact on persistent drought and environmental degradation will ultimately contribute to increased food insecurity, loss of ecosystem services, and increased vulnerability of this population (Waila, 2018).

The population of Turkana County is made up principally of the Turkana people who are mainly pastoralists who focus on nomadic cattle herding. Many households have lost livestock in recent years due to climate variabilities such as droughts and floods. With fewer people in Turkana able to make a living from livestock keeping alone, a significant proportion of Turkana households, across all wealth groups, now source the majority of their food from market purchase rather than from livestock products. The arid environment in the County and its marginal location within Kenya enables very few viable livelihood alternatives to nomadic pastoralism, resulting in high levels of poverty and food insecurity among the population.

## 2.4 Spatial Distribution of Risks

Turkana has a hot, dry climate with temperatures ranging between 20°C and 41°C and with a mean of 30.5°C. Rainfall in the area is bimodal and highly variable (Opiyo, 2015). The long rains occur between April and July and the short rains between October and November. Annual rainfall is low, ranging between 52 mm and 480 mm with a mean of 200 mm (Turkana County Investment Plan, 2016-2020). Rain patterns and distributions are erratic and unreliable. Rain usually comes in brief, violent storms that result in flash floods. The driest periods (akamu) are in January, February, and September and the county is highly prone to drought. 80% of the County is categorized as either arid or very arid. Temperature is projected increase Turkana County. The county is an arid and semi-arid region characterized by warm and hot climate. The temperatures range between 20°C and 41°C with a mean of 30.5°C. Increase in temperature patterns in the region will certainly have further impacts on local livelihoods, particularly among households that derive most of their livelihoods from weather dependent production systems such as pastoralism and fisheries.

Turkana County mainly hosts pastoralists but over the past 30 years, the ability of communities to have a good livelihood from pastoralism has been challenged by the extreme climate change variabilities. Communities here depend on livestock sales, self-employment (charcoal, mats, baskets, brewing, building poles), Safety nets, fish sales, fishing-related casual labor, petty trade, and livestock sales. Given that the pastoral community depends largely on the existing natural resources, extreme climate change events have undermined the ability of many households to make their livelihood from nomadic pastoralism. Many households have lost livestock in recent

years due to climate variabilities such as droughts and floods. Fewer people in Turkana are able to make a living from livestock keeping alone, and are now forced to source the majority of their food from market purchase rather than from livestock products (Save the Children 2016). Unfortunately, the arid environment in the sub-county enables very few viable livelihood alternatives to nomadic pastoralism, resulting in high levels of poverty and food insecurity among the population.

Poverty, food insecurity, and the difficulty of making a livelihood from pastoralism are causing many Turkana to adopt alternative livelihoods (Opiyo et al 2015). In particular, women, who are more traditionally linked to small-scale manufacturing and petty trade, and youth who do not have access to livestock assets, demonstrate aspirations to engage in alternative livelihoods. Examples include crop production (particularly using irrigation), charcoal production and sale, manufacture and sale of handicrafts (especially baskets), petty trade (especially of household goods and small livestock), honey production, the sale of other nature-based products, and casual labor.

Adverse effects of climate variation and change have severely affected the Turkana people by exposing them to water and food insecurity. Climate change has severely affected livelihoods in the region leading to loss of animal and human lives and scarcity of water. This disrupts the local communities' socio-economic activities, which highly depend on water resources and are therefore vulnerable to climate change. Climate change is likely to provoke the drivers of conflict in many livelihood systems, including pastoral production.

Climate variability and change have led to increased droughts and floods which have resulted in the loss of animal and human lives, displacements and destruction of property, reduced pasture availability and scarcity of water. Floods have greatly impacted Turkana Central communities living in Lodwar Municipality along the riverine leading to loss of livelihood and property. This has increased poverty and competition over scarce resources.

The changing climate patterns and dwindling livestock numbers have pushed the Turkana to consider alternative sources of livelihood, such as firewood and charcoal burning, the sale of local brew, and fishing. Unfortunately, these newly adopted economic means have detrimental effects on both the community and surrounding environment. For instance, firewood and charcoal burning are the primary source of fuel for inhabitants of the Kakuma refugee camp, Turkana South, Turkana West, and urban centers within and beyond Turkana County. Although selling charcoal meets a short-term need as a source of income, it is estimated that the resulting deforestation and long-term impact on persistent drought and environmental degradation will ultimately contribute to increased food insecurity, loss of ecosystem services, and increased vulnerability of this population.

Market access in this sub-county is poor. Distances between commercial centers and villages are vast and the road network is in poor condition. In addition to the long distances there is a lack of reliable transportation. Insecurity is a problem the region due to its proximity to the border areas and hostile neighboring tribes from South Sudan and Ethiopia. This not only affects access to markets but also to grazing areas, water sources, and wild foods. Most of the vegetation covering this zone's terrain is characterized as bush land, covered in woody plants, shrubs. The county falls within Eco-climatic zone VI which is an arid environment. These are typical rangelands dominated by *Commiphora* and *Acacia* woodlands. The exotic invasive *Prosopis juliflora* has increasingly become threat. The increasing colonization of the grazing lands by *P. juliflora* needs to be addressed and managed well otherwise it constitutes an ecological and socioeconomic threat in the face of extreme climate change effects.

### 3. Future Climate Scenarios for the county

#### 3.1 National and downscaled climate change projections

Kenya's mean surface temperature is projected to increase in the range of 1°C to 1.5°C by 2030. Rising temperatures trend is expected to continue in Kenya in all seasons (NDC, 2020). The temperatures may increase at a higher rate in lowlands than those in plateaus and highlands. It is estimated that temperatures in western Kenya could increase between by 0.9°C and 1.1°C by 2025. Temperatures in the northern Kenya could increase by a similar amount (1.1°C), but a projected lower rate of warming in the southern coastal region of (0.5°C). IPCC 2014 presents strong evidence that surface temperatures across the region have increased by 0.5 - 2 °C over the past 100 years, and from 1950 onwards, climate change has altered the magnitude and frequency of extreme climate events.

The frequency of cold days, cold nights, and frost, has decreased; while the frequency of hot days, hot nights, and heatwaves, has increased. Rainfall projections show that the October-December (OND) short rains will increase in many counties of Kenya compared to the March- May (MAM) long rains that will extremely be low under the RCP 2.6 and 8.5 scenarios with most of northern Kenya having rainfall deficits whilst southern Kenya will have a slight increase of rainfall. During the dry season June-September (JAS), the rains are projected to decrease for RCP 2.6 and 8.5, whilst increase for RCP4.5. Studies forecast that by 2015, precipitation levels in the long rains season will decline by more than 100 mm in large parts of the interior of Kenya. Analysis of climate trends in 21 ASAL counties between 1977 and 2014 shows an increase in temperature in all 21 counties, with five counties surpassing a 1.5°C increase, and a general decline in rainfall in 15 out of the 21 counties. These results suggest that the normal variability in Kenya's precipitation patterns will be the dominant influence on its climate over the coming decades (NDC, 2020).

For Turkana County, results show that there was indeed evidence of climate variability, climate change, land use changes and streamflow changes in the county. The results were in agreement

with perception of the community and stakeholders on issues of climate variability, climate change, and land use changes. Rainfall is highly variable and on an upward trend. Future rainfall is also highly variable and showing a moderately increasing trend. This high to extreme variability in rainfall is likely to lead to greater scarcity and variability of the water available for households' food production in the county. This tends to make it difficult for any meaningful planning of rainfall dependent livelihood activities such as pastoralism and agro-pastoralism.

### Annual temporal trends

Rainfall trend has been increasing in the first decade (1983-1992), decreasing in second decade (1993-2002), increasing in third decade (2003-2012) and also increasing in fourth decade (2013-2022) as shown in figure 2. Generally, annual rainfall has been increasing in Turkana County from 1983 to 2022, this explains sporadic flash floods that has been ravaging the county

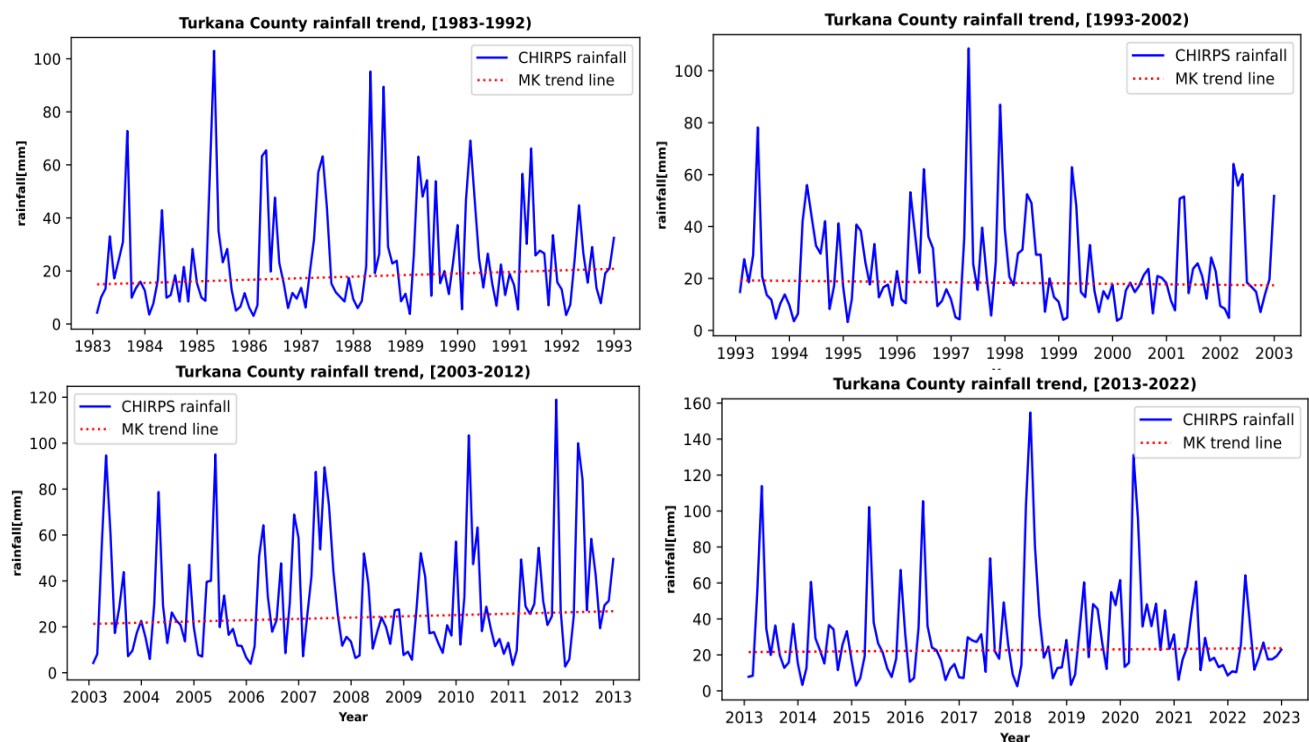


Figure 2: Graphs showing annual rainfall trends in Turkana County for the periods; first decade (1983-1992), second decade (1993-2002), third decade (2003-2012) and fourth decade (2013-2022).

### Temperature trends

Generally, annual temperature has been increasing in Turkana County from 1983 to 2022 as shown in figure 3 below, this explains recent drought and heatwaves that has been realized in Turkana County.

## Annual temporal trends

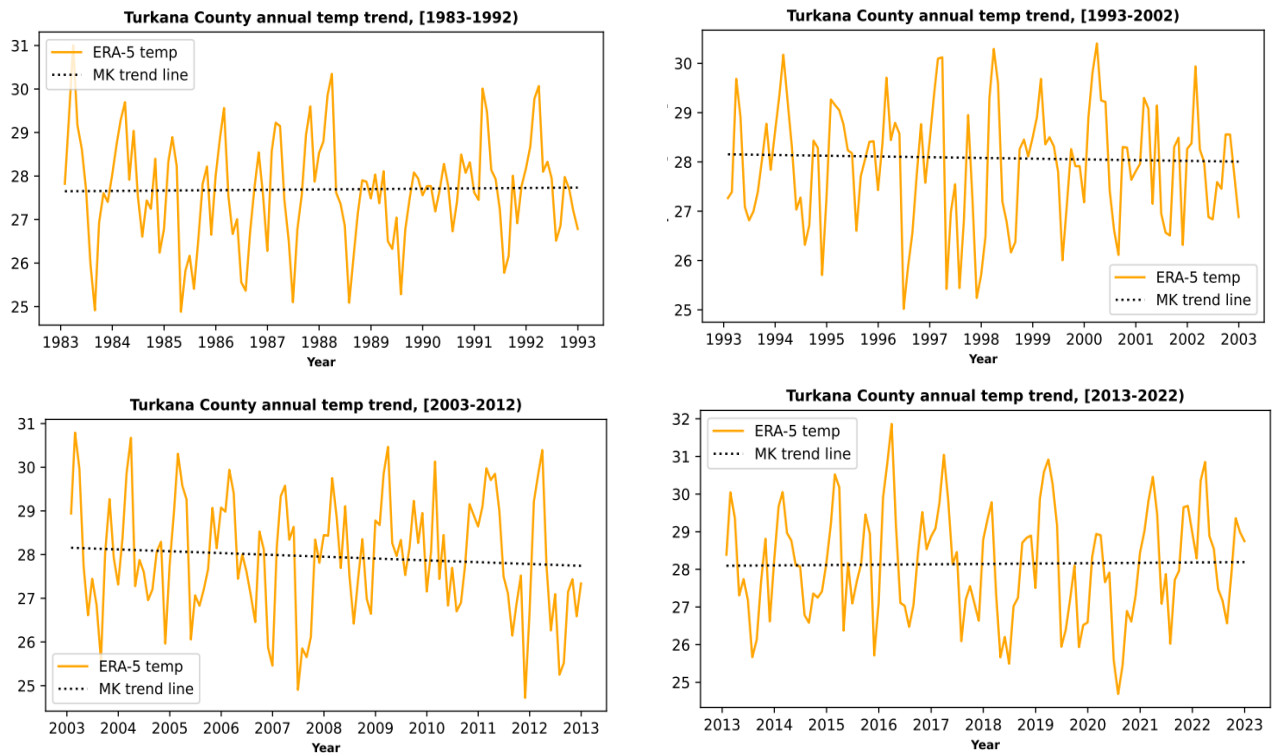


Figure 3: Graphs showing annual temperature trends in Turkana County for the periods; first decade (1983-1992), second decade (1993-2002), third decade (2003-2012) and fourth decade (2013-2022).

### 3.2 County future climate scenarios

Future rainfall is also highly variable and showing a moderately increasing trend as shown in figure 5 below. This high to extreme variability in rainfall is likely to lead to greater scarcity and variability of the water available for households' food production in the county. This tends to make it difficult for any meaningful planning of rainfall dependent livelihood activities such as pastoralism and agro-pastoralism.

## Future seasonal rainfall temporal trends over Turkana County (2023-2100)

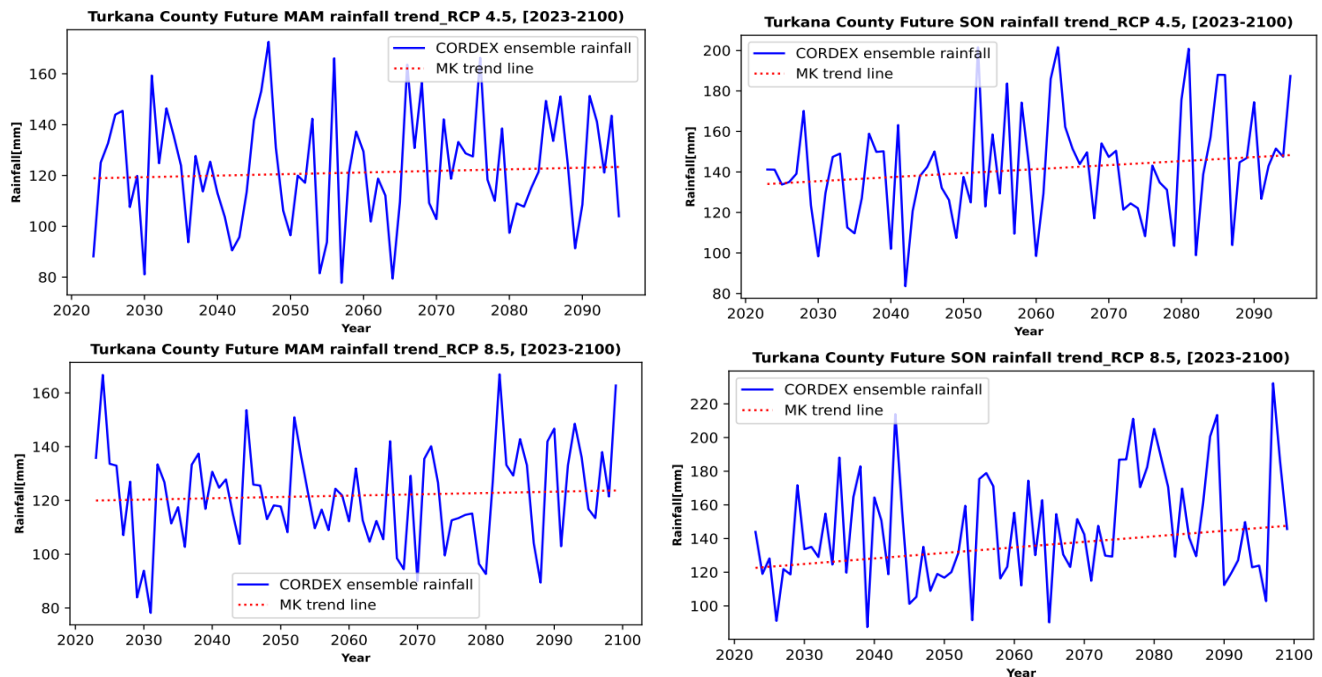
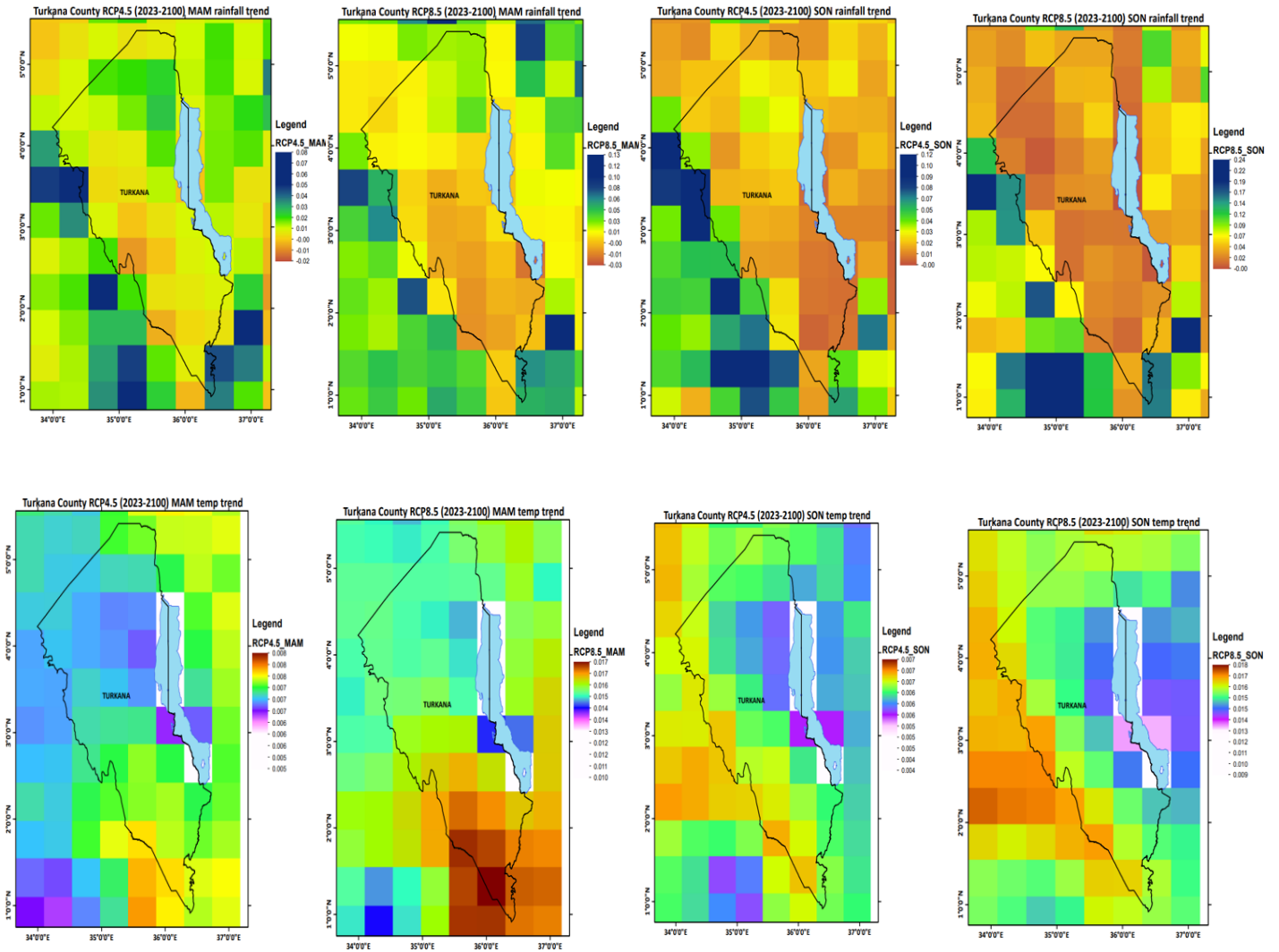


Figure 5: Graphs showing Future seasonal rainfall trends in Turkana County for the periods under RCP 4.5 and RCP 8.5 for period 2023-2100; MAM and SON

## Future rainfall and temperature spatial trends (2023-2100)

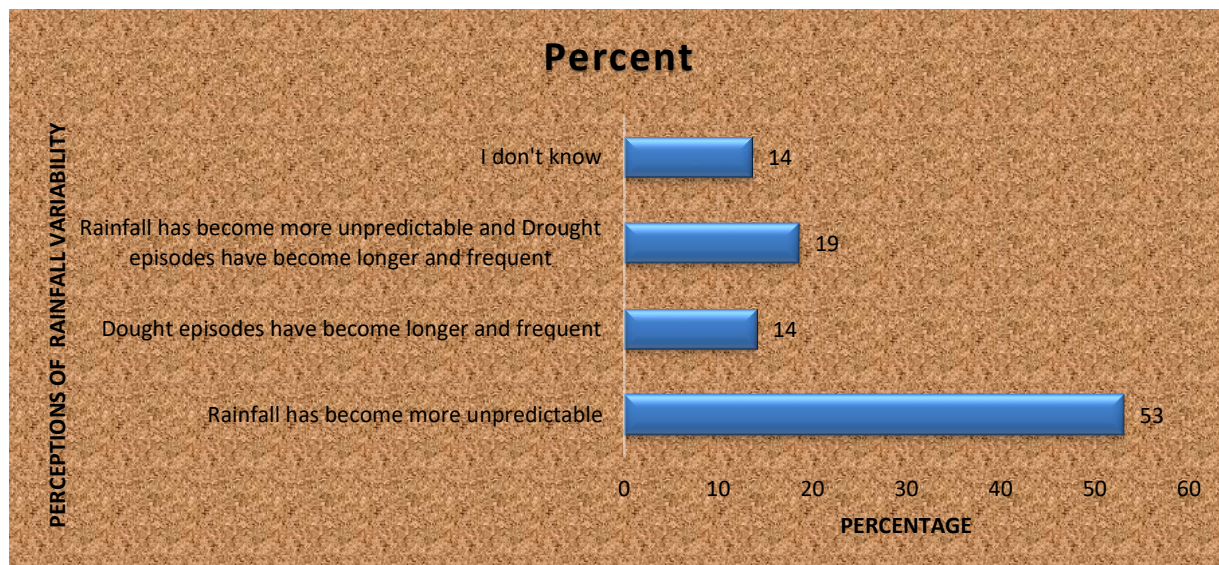
Spatially, future rainfall trends will show increased rainfall in March April May (MAM) season in Northern parts of Turkana County and along the stretches of lake Turkana region. Under RCP 8.5, the central parts of Turkana County are projected to be under decreasing rainfall trends. The September October November (SON) season is projected to experience increased rainfall in the western parts of the County under RCP 4.5 while September October November (SON) rainfall is expected to be decreased in the northern part of Turkana County under RCP 8.5 Seasonal temperature trend for both March April May (MAM) and September October November (SON) are projected to increase immensely in both RCP 4.5 and RCP 8.5, however, temperature increase under RCP 8.5 will be higher than under RCP 4.5 for both seasons as indicated in figure 9 below.



**Figure 6:** Spatial maps showing Future scenario seasonal rainfall and temperature trends for the seasons under RCP4.5 and RCP8.5 (2023-2100) [A] MAM 1983-2022, [B] JJA 1983-2022, [C] SON 1983-2022 and [D] DJF 1983-2022

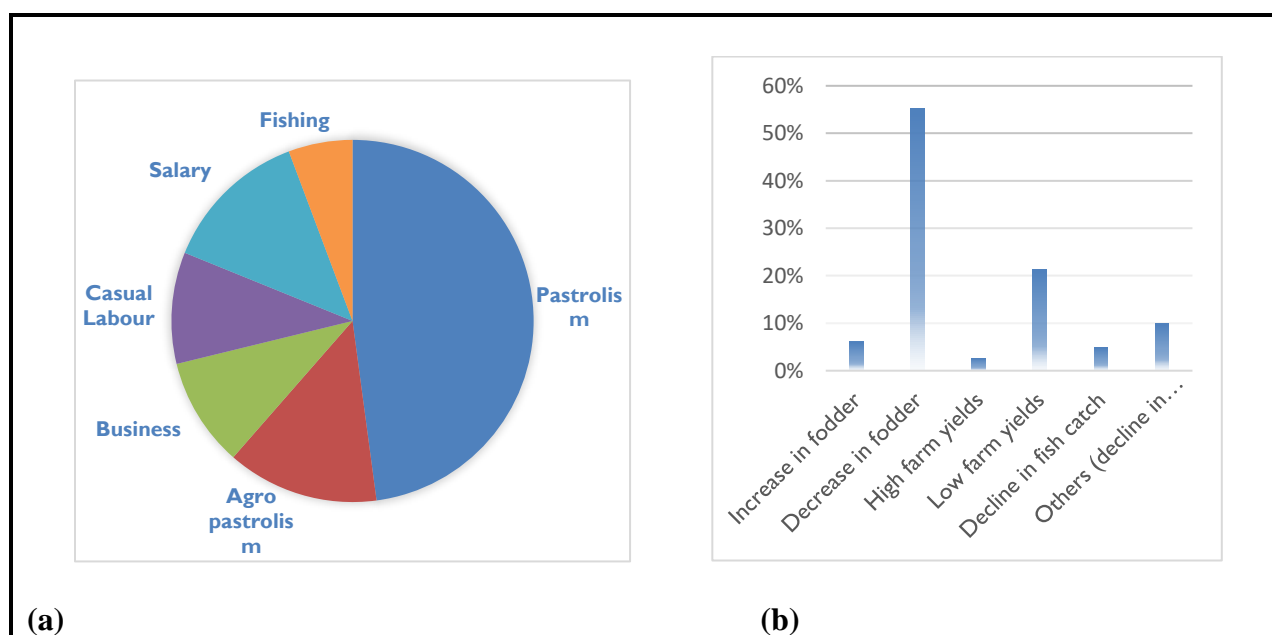
These findings were corroborated by the perception of the community and other stakeholders (Figure 7) who stated that they no longer get rainfall as they used to and that rainfall is no longer predictable (53%). Once wet periods have become dry (June-August). Floods have become more severe in the recent years with the most memorable one being that of 2018/19 while droughts have become longer and more frequent (14%).





**Figure 7: Community perception of rainfall variability in Turkana County**

These changes in rainfall patterns have significantly affected the communities' main livelihoods that include pastoralism and agro-pastoralism among others (Figure 8 a). The effects of rainfall variability on livelihood activities that were identified included: decrease in fodder (55%), Low farm yields (21%), and decline in business and casual work (10%) which were the main effects of rainfall variability identified by the community (Figure 8 b). This is in agreement with the land use changes in the last four decades. Land under pastoralism is diminishing while the bare land is increasing. Other notable changes, though on much smaller scale, were increases in forest and cropland coverage. Since these changes in land use affect water availability from rainfall, it is important to plan for sustainable land use in the county.



**Figure 8: (a) Identified livelihood activities in Turkana County (b) Effects of rainfall variability on communities' livelihoods**

## 4. Analysis of existing adaptation strategies to Current and Future Climate Risks

### 4.1 Overview of existing adaptation/resilience strategies

Climate change has had a severe impact on Turkana communities. The county is already burdened by high levels of water scarcity, health challenges, extreme weather events, displacement of communities, migration, population growth, and human conflict, which are further compounded by the adverse effects of climate change. The impacts of climate change are far-reaching, causing extreme weather events, specifically prolonged droughts and occasional flooding. These changes threaten human health, water and food security, livelihoods and economic growth. The most vulnerable in our societies—women, children, poor families, indigenous people and the disabled are at greatest risk from the effects of climate change

Climate change interventions are often frustrated by the environment within which they are to be implemented. Lack of the proper infrastructure, resources (human and financial), regulatory framework and poor co-ordination and collaboration among the relevant institutions and stakeholders are some of the major hindrances to effecting the proposed changes of any climate change policy. From the regulatory framework to the institutional support, everything and everyone has to work together seamlessly for climate change interventions to become successful. To achieve this, the county government of Turkana has to develop a “best fit” County climate change policy and supportive legislations that are rooted in Ecosystem-Based Adaptation approaches and aligned with the national climate change policies. Turkana County has already developed the Turkana County Climate Change Policy, Act, and Financial Regulation.

In order to adapt to or cope with climatic anomalies, households are using a variety of strategies. In addition to the traditional short-term coping mechanisms, the long-term adaptation strategies used include diversification of livelihood sources; livestock mobility to track forage and water resources; diversification of herd composition to benefit from the varied drought and disease tolerance, as well as fecundity of diverse livestock species; and sending children to school for formal education as a long-term investment expected to pay back through income from employment. Policies and development interventions that reduce risks, diminish livelihood constraints, and expand opportunities for increased household resilience to drought are critical complements to the existing pastoral strategies.

The main ways to adapt to climate change effects is to ensure that Turkana County's farmers are prepared. For example: farmers are now destocking and restocking their livestock accordingly and the county promotes feed production and conservation, water infrastructure development, and soil conservation.

The Department of Water and some stakeholders have drilled boreholes in Turkana County. And supported water sector development by ensuring maintenance of the water infrastructure. Some residents use water pans and dams to store water. Additionally, water vendors play a key role in meeting the county's demands for water.

Some farmers in Turkana County have begun insuring their crops and livestock against climate hazards. Initially, the government used to buy index-based insurance for pastoralists in Turkana. Currently, the Kenya Livestock Insurance Program is encouraging more farmers to embrace voluntary insurance covers that protect their farming activities

There is need to provide community members with appropriate seedlings and show them how to plant. Replanting promotes developing microclimates and water-catchment areas. Trees also protect farms from heavy winds.

Ongoing programmes such as the Hunger Safety Net Programme, food security programmes, and WASH initiatives have provided great opportunities for advancing the adaptive and resilience capacity of the vulnerable community members. High scale-sustainable impact can be achieved through continuous evidence-based planning from the participatory risk assessment processes.

#### 4.2 Effectiveness of adaptation/resilience strategies to future climate risks

Increasing rainfall trends call for planning for rain water harvesting to improve water availability in the county. This is to be supported by community sensitization, county government policy on rainwater harvesting through the Ministry of Water Services and Mineral Resources. Given the high variability in rainfall; ranging from severe droughts to severe floods in the 1980s and 2010s respectively, rainfall in the county is highly unpredictable and this calls for the development of an Early warning system for sustainability of a water resilient community. From the observed changes in Land use; diminishing shrub and grass lands, increasing bare and crop lands, there is need for sustainable land use conservation measures supported by county government policy on land use through the Ministry of Lands, Energy, Housing and Urban Area Management.

Given that pastoralism, the main livelihood activity is under negative pressure as shown by the diminishing grazing lands in the county and the increasing land under agriculture and other developments, there is need to capacity-build the communality to embrace sustainable community-lead diversification of livelihoods to cushion the impacts of climate change on livelihoods. Given that selling of livestock and dependence on food aid are two of the major coping strategies employed in the county, there is need for formation of community groups to access funding for livestock off take projects: Youth Development Fund, Women Enterprise Fund; Implementation of climate change response projects proposed by Ward Planning Committees and communities and approved by the county Planning Committee; Giving effect to priorities set

by communities following a community-driven participatory planning process (diversification of livelihoods).

Given the future trends in rainfall; more frequent floods up to 2033, a continuous below normal rainfall between 2034 and 2044, forecasts and projections, supported by the Kenya Meteorological Department, would help to plan for future water harvesting under a changing climate. Early warning systems would still work for the future sustainability of livelihoods; A county-level climate change fund with support of Financing Locally-Led Climate Action Program (FLLOCA) at the ward level.

## 5. Turkana County Strategic Adaptation Investment/Action Priorities

This section takes a cross-sectoral perspective and focuses on strategic investment priorities that strengthen the adaptive capacity and resilience of key livelihood, social and economic systems within Turkana County, reflecting the key interest/stakeholder groups that were represented in the climate risk assessment workshop. This section is aligned with County Integrated Development Plans and County Climate Policies.

### 5.1 Priority Actions to Advance Water Sector Investments/ Development

Water insecurity as a result of climate change impacts poses significant threats to livelihood systems in Turkana. Given the fragile environment resulting from climate change impacts, water reservoir systems, water quality, and water supply infrastructure remain vulnerable to prolonged drought incidences. Higher temperatures lead to more rapid evaporation, which could affect access to surface water for irrigation, household use, and livestock production. This effect could also lead to the persistence of moisture deficits for longer periods. Reducing vulnerability to these and other water-related hazards would reduce risks to investments and production, and hence would contribute to poverty reduction.

#### 5.1.2 Adaptation Strategies and Priorities

The adaption strategy needed to address water problems must consider issues such as landscape restoration, integrated water resource management, Integrated wastewater management, groundwater management including managed aquifers recharge systems. From a larger environmental perspective, environment and ecosystem protection are crucial. The combined effect of a growing population and the impacts of climate change puts significant pressure on the environment resulting in environmental degradation. Serious challenges include: poor land use planning, lack of proper liquid and solid waste management, unregulated point and non-point source pollution, dropping water levels, increase in silt loads entering the lake, catchment degradation (land and forests); lack of protection of wetlands; and loss of biodiversity and ecosystem services. Strengthening and enforcement of environmental governance is, therefore, key to long-term resilience building. The study recommends that the county:

- Invests in community-led protection of water resources
- Develops and implement a comprehensive waste management policy and strategy to reduce pressure on the environment and ecosystems
- Conserves protected areas to withstand increasing pressures and effects of changing climate
- Sustainably develops, maintain and monitor water resources

### 5.2 Priority Actions on Pastoralism

This assessment has found out that climate change, in combination with existing political, environmental and economic development challenges in Turkana, has had an impact on the

Turkana people's ability to access food, water, health and security. The effects of climate change in Turkana include unpredictable rainfall, extreme rainfall, frequent and prolonged dry spells, and increased daytime temperatures. Climate hazards that have been observed in the county include drought, floods, and intense rainfall.

Increased temperatures and unpredictable rainy seasons have placed increased pressure on water resources, resulting in less dry season grazing land, diminished livestock herds, and increased competition over grazing lands. The prolonged and more frequent droughts have exacerbated already difficult access to potable water, making every day a struggle for survival. Women and girls often walk extremely long distances to dig for water in dry riverbeds. Many children become sick because their families are unable to provide them with sufficient food and clean water. In Turkana, increased competition over grazing lands and water has heightened the likelihood of conflict and insecurity.

#### 5.2.1 Adaptation Strategies and Priorities

- Increase livestock productivity and production in a sustainable manner
- Provide a framework for funding climate change response initiatives issues
- Selective breeding of drought tolerant species,
- Capacity building on breeding to increase production, off-take of less adapted species (destocking); enhancing indigenous knowledge, enhancing government intervention within Ward e.g., extension services/ research;
- Enhancing vaccinations across county; early warning systems (surveillance) and communication infrastructure e.g., Safaricom, telecommunication lines
- Using early warning systems, early destocking, constructing modernized meat-processing unit within the county;
- Improving transport infrastructure (climate-smart roads) and mapping grazing routes for early access;
- Mapping dry grazing areas for ease of access and increasing bulking areas within the county

#### 5.3 Priority Actions and Strategies on Agropastoralism

Agropastoralism is among the main source of livelihood in Turkana County. It creates more than 50% of household incomes and employs more than 40% of the population. Most farmers rely on pastoralism and rain-fed agriculture. This makes them more vulnerable to climate change and variability. The effects of climate change in Turkana County include unpredictable rainfall, extreme rainfall, frequent and prolonged dry spells, and increased daytime temperatures. Climate hazards that have been observed in the county include drought, floods, and intense rainfall. These hazards pose a growing threat to the agricultural sector. Drought and heat stress are major threats to the county that often result in loss of pasture, starving livestock, drying water sources, and conflict among pastoralists over resources. Heavy rains in the Mt. Elgon and West Pokot regions of the county and intense rainfall over short periods of time create flooding especially along the Turkwel River.

On farm adaptation strategies include conservation agriculture, rainwater harvesting, fodder conservation, and planting early-maturing and drought-tolerant crops as well as drought-resistant and high-value livestock breeds. Off-farm adaptation strategies include education and research on climate smart agriculture practices, early warning systems and climate-based advisories, extension services, livestock and crop insurance, afforestation, and reforestation. Women and youth contribute significantly to certain value chains. It is therefore important to promote the involvement of women and youth, and support their economic gains, decision-making powers, and participation. Inadequate resources and poor coordination between different institutions in has undermined Turkana County's ability to adapt to climate change. The establishment of community action groups and the support of governmental institutions and stakeholders has empowered Turkana's farmers to help protect the environment and use natural resources sustainably

### 5.3.1 Adaptation Strategies and Priorities

- Strengthening disaster risk management Helping communities adapt to climate change Fortifying communities against climate hazards
- Mobilizing climate change-related finance
- Recommending adaptations that minimize risks and maximizing opportunities
- Providing effective policy and a legal and institutional framework to combat climate change
- Establishing cold chains for vaccines in each sub-county; employing/ deploying more government veterinary officers;
- Increase number of community disease reporters, and vaccination Programmes;
- On-farm feed formulation and capacity building for farmers on better feeding Programmes;
- Constructing chicken houses suitable for dry areas and enhancing capacity built

### 5.4 Priority Actions and Strategies on Health, Sanitation and Human Settlement

Within the constraints of current knowledge, the government has identified malaria and water-borne diseases (such as cholera and typhoid), as some of the health impacts that are likely to grow due to climate change (WHO, 2010). Climate change increases risks for human health by impacting human settlements. Towns in Turkana and the built environment concentrate populations, economic activities and built environments, thus increasing the risk of flooding, heat waves, and other climate and other weather hazards. The most affected populations are the urban poor who tend to live along river banks, on flood plains, near polluted grounds, in unstable structures vulnerable to collapse in heavy rains, and along waterfronts. This is especially true in informal settlements and other low-income areas, where high population density and lack of infrastructure aggravates these problems. Improving the resilience of the built environment in human settlements is needed including flood control, green building technologies, and waste management.

#### 5.4.1 Adaptation Strategies and Priorities

Improvement of access to safe water and improved sanitation, enhancement of public health functions such as surveillance, vulnerability mapping, and early warning systems, and coordination across sectors. Appropriate land- use planning and building norms, as well as better infrastructure, can help minimize the risk that natural hazards like heavy precipitation will translate into natural disasters.

The assessment recommends that the county:

- Establishes an effective early warning system and preparedness to save lives and protect assets;
- Establishes a social protection mechanism including Insurance-based solutions to make the population better able to cope with shocks;
- Improve the health care system to improve resilience and build capacity to prepare for climate change-induced health emergencies;
- Ensure equity by providing targeted gender interventions and specific measures to protect vulnerable populations in all sectors, including the prevention of gender- based violence (GBV);
- Ensure a conducive policy environment that will facilitate the creation of green jobs.
- Scale-up community level interventions, with an emphasis on women as community health workers, on malaria control country-wide
- Flood ways (manmade channels to divert flood water) constructed in select urban centers
- Improve the surveillance and monitoring of climate related diseases.
- Track the health impacts of the transition to clean cooking
- Develop county/ ward-based waste management plans and regulations that are consistent with the National Waste Management Strategy and other relevant policies
- Develop policy for green building, and green building codes and regulations that account for climate information
- Enforce laws on urban planning and storm water management in urban areas – desilting of drainage, riparian protection

#### 5.5 Priority Strategies and Actions on Disaster Risk Management (Drought and Flood)

Prolonged droughts lead to crop failure, shrinking of productive crop areas, and loss of livestock leading to reduced food security and increased malnutrition with impacts particularly for pregnant women, lactating mothers, children and the elderly. Droughts increase water scarcity with negative impacts for communities, especially for women and girls who have to travel long distances for water and have less water for hygiene. Droughts mean that women work harder to feed and care for their families, and women take up roles that used to be the preserve of men, who often migrate to take up paid work in urban areas.



Droughts have negative impacts on pastoralists in the ASALs, including livestock deaths due to lack of forage and water, and increases in insecurity and conflicts within Kenya and across national borders. Many pastoralists keep large livestock herds for cultural reasons, but also to cushion against the adversities of drought, that can have negative impacts on rangeland management. A significant number of people from marginalized and minority groups in the ASALs rely on emergency assistance in times of drought. Droughts negatively impact businesses through reduced water for manufacturing processes, increased costs of inputs in the agro-processing sector, and increased prices for electricity as hydropower declines and is replaced by diesel generators.

Floods have more immediate, and often large-scale impacts. Persons with disabilities and the elderly are particularly at-risk during floods and disasters because they may be left behind or abandoned during evacuation. The priority climate actions promote a proactive, rather than reactive, approach to climate related disasters. The actions work to ensure that disasters are curtailed, do not result in emergencies, and build the capacity of people to cope with the impacts of climate change. The actions include flood and drought early warning systems including at the community level, improved social protection Programmes for chronically food insecure populations, implementation of flood management plans. County Climate Change Funds for locally-identified priority adaptation actions, and community-level capacity building to raise awareness and educate on disaster management and flood hazards. In particular, women, as central players in disaster response, are provided with resources and support to carry out these roles effectively.

#### 5.5.1 Adaptation Strategies and Priorities

- Increase number of households and entities benefiting from devolved adaptive services. This can be achieved by ensuring that: Number of beneficiaries of social protection mechanisms and other safeguards (under the Hunger Safety Net Programme) increased, and Number of households better able to cope with climate change because of receiving benefit from County Climate Change Funds increased
- Ensure that the County Climate Change Funds address local adaptation priorities that are identified and monitored by community committees comprised of women and men.
- Improve Drought early warning systems, including the promotion of people-centered systems at the county levels.
- Develop effective climate information system
- Flood early warning systems improved, taking advantage of widespread access to mobile technology that provides an avenue for disseminating information.
- Develop a floods management strategy/ plan for the wards/ county
- Improve the coordination of disaster risk management (including floods, droughts, disease outbreaks, landslides and other disasters) by enacting and implementing the Disaster Risk Management Act

- Expertise developed to customize and manage satellite generated vegetation condition index used for drought early warning and response
- Research on migration as an adaptation strategy

## 5.7 Priority Strategies and Actions on Infrastructure

Climate change will affect infrastructure provision and operation, with the severity of these effects depending on the overall emissions pathway and decisions resulting in increased exposure of assets and maladaptation. Demand for infrastructure services is projected to go up, for example, changing patterns of demand driven by climate change, such as increased energy; demand for air-conditioning during drought seasons; or increased water demand for irrigation. It is expected that there will be increased demand for protective infrastructure, such as buffer zones to address rising lake levels. There will be a need for the provision of infrastructure services, for example, increased cost of supply, as climate change may increase the costs of providing the same level of service (e.g., larger reservoirs needed to address more variable precipitation)

### 5.7.1 Adaptation Strategies and Priorities

Infrastructure specifically designed to reduce vulnerability to climate variability (e.g., flood control structures and decentralized energy systems) and general public health infrastructure (e.g., sanitation facilities, wastewater treatment systems, laboratory buildings) enhance adaptive capacity. However, infrastructure (mainly if immovable) can be adversely affected by climate, especially in extreme events such as floods.

Current settlement trends in the county lead to unplanned development, including in areas with significant and increased levels of natural risks such as flood-prone areas, wetlands, and lakeshores. To address the problem, the study recommends the following measures:

- Develop a comprehensive digitalized spatial plan for the whole county to control and prevent development in unsafe areas and reduce the vulnerability of settlement areas.
- Partner with the private sector to provide safe and affordable housing solutions in the county
- Work with the private sector to strengthen the quality and availability of affordable local construction and building materials industry.
- Assess the efficiency of the rental market and work to ensure that it meets the needs of the extremely poor.
- Upgrade informal settlements for current and future risks by adopting a passive planning approach for in situ upgrading of the settlements.

## 6.0 Conclusion

The development goals of Turkana County are at risk from the impacts of climate change. These impacts are already becoming a severe burden to the county's economy and its people. Turkana County Government has been keen in addressing the climate change impacts and has set up the required policy frameworks that will ensure effective operationalization of Programmes and activities geared towards addressing climate change impacts. The County Government of Turkana has for instance developed the County Climate Change Policy, Act and Regulation 2021, and went ahead to form and operationalize the various climate change committees as stipulated in the Turkana County Climate Change Act 2021. This assessment report will guide the development of a County Climate Change Action Plan that will be used to Programme for climate change response to enhance the local adaptive capacities for the community members.

The plan developed from this assessment report will ensure that stakeholders including state departments, NGOs, CBOs, INGOs, women, youth, ethnic minorities, people living with disabilities and other marginalized and vulnerable groups are involved in the planning and implementation of activities. The interventions for climate change impacts should be multifaceted to provide sustainable development direction. These should include the political will to implement the County Climate Change policy, County Climate Change Act and the County Climate Change Action Plan. Other proposed interventions are synergy from the County Disaster management policy, mainstreaming climate change in the County Integrated Development Plan, and having a County Climate Change Adaptation Plan for five years. The adaptation plan should be monitored and tracked throughout its implementation.

The need to provide strategic direction from the County Government through the Climate Change Directorate will be critical. The Climate Change Vulnerability Assessment Report is a critical document in the preparation of a collectively driven process in the development of a County Climate Change Action Plan for 2020-2022. These policy, legal, and institutional frameworks also act as anti-corruption safeguards and shall facilitate transparency and accountability in climate change response at the county level.

In terms of the next steps, county climate change action plan priority activities will be generated based on the evidence generated from the PCRA process. Further, there will be continuous assessment on an annual basis to ensure any arising climate change risks and vulnerabilities are captured for purposes of updating climate change programming and actions.

## ANNEXES

### Annex I: List of Participants for The PCRA in 30 wards in Turkana

#### 1 Participants from Kalobeyei Ward

| NO. | NAME                      | ORG/SECTOR & COUNTY | DESIGNATION           |
|-----|---------------------------|---------------------|-----------------------|
| 1   | Lokaala Gideon            | TCG                 | Village Administrator |
| 2   | Lorem Desmond             | Kalobeyei Community | Youth Representative  |
| 3   | Nakiria Hurdson           | W.C.C.C             | P.W.D                 |
| 4   | Echwa Martin Ekaale       | TCG                 | Village Administrator |
| 5   | Akal Alice Ebei           | Kalobeyei Community | Women Representative  |
| 6   | Edung Alexander Natoo     | Administration      | Village Admin         |
| 7   | Alfred Kapoko             | Kalobeyei Community | Opinion Leader        |
| 8   | Eremon Gerald             | NG                  | Asst Chief            |
| 9   | Eyapan Joseph Lokidor     | Kalobeyei WRUA      | Youth Representative  |
| 10  | Lobeyo John               | Kalobeyei Community | Opinion Leader        |
| 11  | Kebo Geoffrey             | Kalobeyei Community | Member                |
| 12  | Sylvia Kapua Lokeun       | W.C.C.C             | Women Representative  |
| 13  | Alexander Lopeyok         | Kalobeyei Community | Youth Representative  |
| 14  | Akwee Aregae Papa         | W.C.C.C             | Member                |
| 15  | Eleman Lokisiau           | Kalobeyei Community | Elder                 |
| 16  | Raphael Lokuron Egiron    | Kalobeyei Community | Religious Leader      |
| 17  | Alimlim Lomor Epero       | Kalobeyei Community | Women Representative  |
| 18  | Amoni Munyen Lochul       | Kalobeyei Community | Women Representative  |
| 19  | Alimoit Nauren Ekaal      | Kalobeyei Community | Women Representative  |
| 20  | Sarah Logilae             | Kalobeyei Community | Farmer                |
| 21  | Lopeyok Lowangiro Esinyen | Kalobeyei Community | Member                |
| 22  | Esther Ngachuro Nangolol  | Kalobeyei Community | Member                |
| 23  | Hellen Lorot Ekuwam       | W.C.C.C             | Member                |
| 24  | Patricia Nakale Lopokor   | Kalobeyei Community | Farmer                |
| 25  | Fatuma Nimo Abdi          | Kalobeyei Community | Opinion Leader        |
| 26  | Hellen Akai Lokirama      | Kalobeyei Community | Farmer                |
| 27  | Akitela Epong Longole     | Kalobeyei Community | Member                |
| 28  | Nachomin Muria Lokadelio  | Kalobeyei Community | Farmer                |
| 29  | Joseph Emuria Logeor      | Kalobeyei Community | Farmer                |
| 30  | Lokungol Arem Nakurui     | Kalobeyei Community | Elder                 |
| 31  | Regina Korinyang Lokui    | Kalobeyei Community | Member                |

#### 2 Participants from Letea Ward

| No. | Name                        | Org/Sector & County | Designation                             |
|-----|-----------------------------|---------------------|---|
| 1   | James Nangolol Ekal         | W.C.C.C             | Youth Representative                    |
| 2   | Hellen Echor                | Letea Community     | Pwd                                     |
| 3   | Erukudi Ngiriele Namate     | Letea Community     | P.B.O                                   |
| 5   | Jacob Aemun                 | W.C.C.C             | Elder                                   |
| 6   | James Namorungole Lokwameri | W.C.C.C             | Member                                  |
| 7   | Lochilia Emase Chipire      | W.C.C.C             | Member                                  |
| 8   | Peter Kerio Loeri           | Letea Community     | Faith Based Organization Representative |
| 9   | James Naweet Kiyonga        | Letea Community     | Village Elder                           |
| 10  | Joseph Adika                | Letea Community     | Chief Rep                               |

|    |                          |                 |                      |
|----|--------------------------|-----------------|----------------------|
| 11 | Seline Apus Lopos        | Letea Community | Pwd                  |
| 12 | Martha Amoni             | Letea Community | P.B.O                |
| 13 | Lucas Matiya Napas       | Letea Community | Kraal Leader         |
| 14 | Jamuhuri Lydia Ikaru     | Letea Community | Member               |
| 15 | Joseph Tioko Eyaran      | Letea Community | Opinion Leader       |
| 16 | Elizabeth Awesit Nakeru  | Letea Community | Cso                  |
| 17 | Lourien Lokucha          | Letea Community | Farmer               |
| 18 | Josephine Akai Ekilan    | Letea Community | Women Representative |
| 19 | Ekoomwa Tioko Iyanae     | Letea Community | Youth Representative |
| 20 | Ekal Lowoton Lorot       | Letea Community | Kraal Leader         |
| 21 | Paul Lopem Adou          | Letea Community | F.B.O                |
| 22 | Melo Abuka               | Letea Community | Elder                |
| 23 | Dorcas Akai Kamar        | Letea Community | Farmer               |
| 24 | Arot Lemuya Pokotom      | Letea Community | Cso                  |
| 25 | Lokong Ikaru Lokaala     | Letea Community | Opinion Leader       |
| 26 | Lotieng Muya Nakadio     | Letea Community | Elder                |
| 27 | Etaan Nanok Ikaru        | Letea Community | Kraal Leader         |
| 28 | Mathew Kalapatan Lomodei | Letea Community | Fbo Representative   |
| 29 | Lokuja Losuru Ekan       | Letea Community | Women Rep            |

### 3 Participants from Loima Ward

| No. | Name                    | Org/Sector & County | Designation      |
|-----|-------------------------|---------------------|------------------|
| 1   | Ekowma James            | Community           | Religious Leader |
| 2   | John Esekon             | Community           | Member           |
| 3   | Maria Akipetot Lotiyan  | Community           | Member           |
| 4   | Mathew Lemuya           | Community           | Member           |
| 5   | Ken Munyes Lobur        | Community           | Member           |
| 6   | Pascaline Losike Ekutan | Community           | Member           |
| 7   | Longol Ewoi Ilukol      | Community           | Member           |
| 8   | James Itao              | Community           | Member           |
| 9   | Ekadeli Esekon          | Community           | Member           |
| 10  | Paul Edipo Lomekwi      | Community           | Member           |
| 11  | Lomurukao Epungure      | Community           | Member           |
| 12  | Anyang Lokwang Lokotio  | Community           | Member           |
| 13  | Lomekwi Ataan Aumo      | Community           | Member           |
| 14  | Alice Apuwa             | Community           | Member           |
| 15  | Lena Elimu Karononi     | Community           | Member           |
| 16  | Ann Aroon               | Community           | Member           |
| 17  | Daudi Eiyen             | Community           | Member           |
| 18  | Kuya Ewoi Echakan       | Community           | Member           |
| 19  | Jesca Nasuru            | Community           | Member           |
| 20  | Anderson Nyangaa        | Community           | Member           |
| 21  | Lokeun Lomura           | Community           | Member           |
| 22  | Kangiloi Ekalale        | Community           | Member           |
| 23  | Ekaskout Losapirei      | Community           | Member           |
| 24  | Paulina Akiru           | Community           | Member           |
| 25  | William Ejore           | Community           | Member           |
| 26  | Levi Esukuku Lotieng    | Community           | Member           |
| 27  | Gladys Atol Lotukoi     | Community           | Member           |

#### 4 Participants from Lokichoggio Ward

| No. | Name                 | Org/Sector & County   | Designation          |
|-----|----------------------|-----------------------|----------------------|
| 1   | Akai Lorot           | W.C.C.C               | Youth Representative |
| 2   | Takaale Napayok      | Lokichoggio Community | Women Representative |
| 3   | Emuria Veronica      | W.C.C.C               | P.W.D                |
| 4   | Daniel Losil         | Oop                   | Chief                |
| 5   | Elaar Salmon Ekadeli | C.A                   | M.C.A Office Manager |
| 6   | Ekata Angeline       | Administration        | Village Admin        |
| 7   | Nangolol Lokitaung   | Lokichoggio Community | Kraal Leader         |
| 8   | Emoru Emoni Puuno    | P.Amp                 | Member               |
| 9   | Achoto Lopakai       | Lokichoggio Wrua      | Member               |
| 10  | Philip Ngikeny       | Lokichoggio Community | Youth Representative |
| 11  | Egialan Etengan      | Lokichoggio Community | Member               |
| 12  | Magrate Egule        | Lokichoggio Community | Member               |
| 13  | Ebenyo Nadima        | W.C.C.C               | Member               |
| 14  | Lomor Nakali         | Lokichoggio Community | Member               |
| 15  | Patrick Ekunoi       | Lokichoggio Community | Member               |
| 16  | Akiru Ekope          | Lokichoggio Community | Farmer               |
| 17  | Patrick Lokwameri    | Lokichoggio Community | Kraal Leader         |
| 18  | July Nato Etoot      | Lokichoggio Community | Women Representative |
| 19  | Etabo Gabriel        | Lokichoggio Community | Member               |
| 20  | Lomaluk Nelson       | Lokichoggio Community | Farmer               |
| 21  | David Kolonyo        | Lokichoggio Community | Member               |
| 22  | Allan Eyapan         | Lokichoggio Community | Member               |
| 23  | Janet Napeibur       | W.C.C.C               | Member               |
| 24  | Judy Lokol           | Lokichoggio Community | Farmer               |
| 25  | James Ekiru Adiaka   | Lokichoggio Community | Kraal Leader         |
| 26  | Ekal Jacob           | Lokichoggio Community | Farmer               |
| 27  | Akadae Lokuwom       | Lokichoggio Community | Kraal Leader         |
| 28  | Mathew Loter         | Lokichoggio Community | Farmer               |
| 29  | Nangolol Eloto       | Lokichoggio Community | Farmer               |
| 30  | Musa Lochongor       | Lokichoggio Community | Farmer               |

#### 5 Participants from Lopur

| No. | Name                    | Org/Sector & County | Designation           |
|-----|-------------------------|---------------------|-----------------------|
| 1   | Emuron N. Eliud         | W.C.C.C             | Village Administrator |
| 2   | Lokipaka Etoot Lemuyawa | Tcg                 | Village Administrator |
| 3   | Jalton Aita Lokiren     | Tcg                 | Village Administrator |
| 4   | Apua Lochilia Longolea  | Lopur Community     | Member                |
| 5   | Lodwar Ekutan Augustine | W.C.C.C             | Village Administrator |
| 6   | Ekal Atian Abong        | W.C.C.C             | Member                |
| 7   | Kakuta Abong            | W.C.C.C             | Member                |
| 8   | Stephen Eyanae          | Oop                 | Chief                 |
| 9   | James Ekomwa Esinyen    | Oop                 | Chief                 |
| 10  | Stephen Ewoi Erukudi    | Lopur Community     | Member                |
| 11  | Ebei Echwa Lotubwa      | Lopur Community     | Member                |
| 12  | Sheila Akidor Nakoi     | Lopur Community     | Member                |

|    |                             |                 |                      |
|----|-----------------------------|-----------------|----------------------|
| 13 | Margaret Natoot Kole        | Lopur Community | Kraal Leader         |
| 14 | Ngititi Akorinyang          | Lopur Community | Men Representative   |
| 15 | Albert Ngipuo               | Lopur Community | Opinion Leader       |
| 16 | Ekapel Lokeun               | Lopur Community | Member               |
| 17 | Kapuchor Lokited Lopachio   | Lopur Community | Farmer               |
| 18 | Lochomin Lopong Lotuk       | Lopur Community | Member               |
| 19 | John Puku                   | Lopur Community | Youth Representative |
| 20 | Kidiriyo Etaan              | Lopur Community | Member               |
| 21 | Nancy Ikiru Ekalale         | Lopur Community | F.B.O                |
| 22 | Samson Esekon               | Lopur Community | Member               |
| 23 | Ekiru Ekal Ome              | Lopur Community | Farmer               |
| 24 | Ajero Emmanuel              | Lopur Community | Member               |
| 25 | Ngakolia Emoru Lokupuratmoe | Lopur Community | Opinion Leader       |
| 26 | John Epeta                  | Lopur Community | Elder                |
| 27 | Ibuya Obadia Emuria         | Lopur Community | Member               |
| 28 | Nakachalak Belinda          | Lopur Community | Fbo Representative   |
| 29 | Alice Imoit                 | Lopur Community | Women Rep            |
| 30 | Michael Nagum               | Lopur Community | Member               |
| 31 | Florance Epus               | Lopur Community | Member               |

#### 6 Participants from Nakalale Ward

| No. | Name                        | Org/Sector & County | Designation           |
|-----|-----------------------------|---------------------|-----------------------|
| 1   | Joseph Lobur Ewoi Kuya      | Tcg                 | Teacher               |
| 2   | Kones Moses Lotiir          | Nakalale Community  | Youth Rep             |
| 3   | Jackson Lomosingo           | Nakalale Community  | Member                |
| 4   | Ann Louyei                  | Nakalale Community  | Member                |
| 5   | Marry Akai Ebei             | Nakalale Community  | Member                |
| 6   | Christine Aukot Akiru       | W.C.C.C             | Member                |
| 7   | Rosemary Arunye Ngasuban    | Nakalale Community  | Member                |
| 8   | Ewaare Achuka Lobuin        | Nakalale Community  | Elder                 |
| 9   | Awesit Lydia Eregae         | Nakalale Community  | Fbo                   |
| 10  | Eyanae Gabriel Ekai         | Nakalale Community  | Youth Rep             |
| 11  | Nachukul Ekeru              | Nakalale Community  | Elder                 |
| 12  | Esther Akiriket             | Nakalale Community  | Member                |
| 13  | Lowosa Paul Ikaale          | Nakalale Community  | Professional Rep      |
| 14  | Dellah Arukudi Egiron       | Nakalale Community  | Fbo                   |
| 15  | Ebei Namuya Mercy           | Nakalale Community  | Member                |
| 16  | Simon Marok Loirien         | Nakalale Community  | Fbo-Pastor            |
| 17  | Barnabus Eloilo             | Nakalale Community  | Elder                 |
| 18  | Belida Akai                 | Nakalale Community  | Member                |
| 19  | Selina Natesiro Ekai        | Nakalale Community  | Member                |
| 20  | Damaris Igole Longora       | Nakalale Community  | Member                |
| 21  | Peter Kangole Atoot         | Nakalale Community  | Elder                 |
| 22  | Atoot Lomugeite Lokorinyang | Nakalale Community  | Member                |
| 23  | Ekai John Nangorok          | Tcg                 | Clerical Officer      |
| 24  | Samuel Ekulan               | Nakalale Community  | Member                |
| 25  | James Erukudi Lopurucho     | Nakalale Community  | Elder                 |
| 26  | Ekwee Ebaich EtheKon        | Nakalale Community  | Member                |
| 27  | Lowosa Akolom Andrew        | Oop                 | Chief                 |
| 28  | Ekutan Elizabeth Ekiru      | Tcg                 | Village Administrator |
| 29  | Zakayo Lomanat Lokopon      | Nakalale Community  | Member                |

### 7 Participants from Nanam Ward

| No. | Name                       | Org/Sector & County | Designation          |
|-----|----------------------------|---------------------|----------------------|
| 1   | Lotumwon Lopatan           | W.C.C.C             | Member               |
| 2   | Longatunyo Dominic         | Nanam Community     | Youth Representative |
| 3   | Natuom Ebenyo Kokuro       | Nanam Community     | Farmer               |
| 4   | Akajekel Lobuin            | Nanam Community     | Farmer               |
| 5   | Namuge Kangor Lailo        | Nanam Community     | Kraal Leader         |
| 6   | Naro Lopeto Ebei           | Nanam Community     | Pwd Representative   |
| 7   | Emuria Heyomo Longichar    | Nanam Community     | Pwd Representative   |
| 8   | John Kapetadie Lokuwam     | W.C.C.C             | Male Representative  |
| 9   | Penina A. Lobaang          | Nanam Community     | Water Committee      |
| 10  | Christine Lomeyan Echom    | Nanam Community     | Women Representative |
| 11  | Auren Lotukoi              | Nanam Community     | Aloe Vera Group      |
| 12  | Peter Kiyoi Lokero         | Cso                 | Cso Member           |
| 13  | Lobuin Christopher         | W.C.C.C             | Member               |
| 14  | Ebenyo Aporoto             | Nanam Community     | Cdr                  |
| 15  | Philip Lokope              | Nanam Community     | Cdr                  |
| 16  | Ramina Ewesit Atapar       | Nanam Community     | Farmer               |
| 17  | Namuge Nachi Namuge        | Nanam Community     | Kraal Leader         |
| 18  | Atabo Lokwang Lokaamoe     | Nanam Community     | Women Representative |
| 19  | Samwel Koomwa              | Oop                 | Assistant Chief      |
| 20  | Epur Eminit                | Nanam Community     | Farmer               |
| 21  | Brenda Aling'a             | Nanam Community     | Women Representative |
| 22  | Aloch Emuria Napokor       | Nanam Community     | Women Representative |
| 23  | Paulina Eris               | Nanam Community     | Member               |
| 24  | Ng'ajerei Losike Lonyamani | Nanam Community     | Farmer               |
| 25  | Emuria Eleya Lokuruka      | Nanam Community     | Kraal Leader         |
| 26  | Fred Lotaparin             | Nanam Community     | Aloe Vera Member     |
| 27  | Eleya Kiyong'a Lokuruka    | Nanam Community     | Kraal Leader         |
| 28  | Evans Longok               | Nanam Community     | Youth Representative |
| 29  | Esther Amodonyang Ikale    | Nanam Community     | Women Leader         |
| 30  | Julius Ilete               | Oop                 | Snr. Chief           |

### 8 Participants from Songot

| No. | Name                     | Org/Sector & County | Designation          |
|-----|--------------------------|---------------------|----------------------|
| 1   | Lodakach Lorenge         | Songot Community    | Pwd                  |
| 2   | Nicodemus Erupe          | Songot Community    | P.B.O                |
| 3   | Ejiem James Tukur        | Songot Community    | Member               |
| 4   | Aregae Etoot             | Songot Community    | Women Representative |
| 5   | Kaidio Nachodo Ekitela   | Songot Community    | Member               |
| 6   | Natukoi Etaaba           | Songot Community    | Member               |
| 7   | John Erot Ekeru          | Songot Community    | Member               |
| 8   | Samuel Lotiir Ereng      | Songot Community    | Village Elder        |
| 9   | Catherine Abei Kalimapus | Songot Community    | Member               |
| 10  | Nicholas Kaaman          | Songot Community    | Member               |
| 11  | Nicodemus Egiron Kiyo    | Songot Community    | P.B.O                |
| 12  | Julius Chila Akutan      | Songot Community    | Kraal Leader         |
| 13  | Terry Akolong Adome      | Songot Community    | Women Rep            |
| 14  | Emmanuel Eyeen Emuria    | Songot Community    | Opinion Leader       |



|    |                           |                  |                       |
|----|---------------------------|------------------|-----------------------|
| 15 | Loyalot Lopeto            | Songot Community | Member                |
| 16 | Rebecca Ngikito Nanok     | Songot Community | Farmer                |
| 17 | Akaran Lowoi Apoko        | Songot Community | Women Representative  |
| 18 | Nakaitan Lokarach Kiletwa | Songot Community | Member                |
| 19 | Emuria Charles Ngamon     | Tcg              | Village Administrator |
| 20 | Ngasike Naregae Edaan     | W.C.C.C          | Member                |
| 21 | Arupe Ebenyo Ekidor       | W.C.C.C          | Member                |
| 22 | James Ekamais Nawoto      | Songot Community | Farmer                |
| 23 | Ekunoit Ewoi Maide        | Songot Community | Member                |
| 24 | Rebecca Edukon Ebei       | Songot Community | Women Representative  |
| 25 | Ekai Maraka Ekidor        | Songot Community | Elder                 |
| 26 | Timu Nicholas             | Songot Community | Kraal Leader          |
| 27 | Ngaukon Emoni             | Songot Community | Member                |
| 28 | Nawoto Naweet Xavier      | Tcg              | Village Administrator |
| 29 | Micah Allany Lokalei      | Tcg              | Village Administrator |
| 30 | Jonas Epas Lokwakol       | Ng               | Chief Songot          |
| 31 | Rodah Akalale             | Songot Community | Member                |

### 9 Participants from Turkwel Ward

| No. | Name                     | Org/Sector & County | Designation |
|-----|--------------------------|---------------------|-------------|
| 1   | Ezra Ebei Adome          | Turkwel Community   | Member      |
| 2   | Ewoton Lowote Lokure     | Turkwel Community   | Member      |
| 3   | Mercy Ewoton Lobuin      | Turkwel Community   | Member      |
| 4   | Rebecca Nasuru           | Turkwel Community   | Member      |
| 5   | Damaris Ekitela Ajikon   | Turkwel Community   | Member      |
| 6   | Becky Ekalimon           | Turkwel Community   | Member      |
| 7   | Janerose Ekal Lotesiro   | Turkwel Community   | Member      |
| 8   | Mary Ngala Moruita       | Turkwel Community   | Member      |
| 9   | Sammy Lokato Monti       | Turkwel Community   | Member      |
| 10  | Lopeyok John Lorot       | Turkwel Community   | Member      |
| 11  | Patrick Nachuch          | Turkwel Community   | Member      |
| 12  | Esibitar Charles         | Turkwel Community   | Member      |
| 13  | Regina Nayapar           | Turkwel Community   | Member      |
| 14  | Lokwom Ameyan            | Turkwel Community   | Member      |
| 15  | Lokaito Maru Esekoni     | Turkwel Community   | Member      |
| 16  | Paulina Lokwasinyena     | Turkwel Community   | Member      |
| 17  | James Kalotum Jama       | Turkwel Community   | Member      |
| 18  | Philip Ewwar Munyes      | Turkwel Community   | Member      |
| 19  | Jackline Apaaya          | Turkwel Community   | Member      |
| 20  | Atabo Adekei             | Turkwel Community   | Member      |
| 21  | Ekadeli Lopongo Lokoom   | Turkwel Community   | Member      |
| 22  | Elizabeth Alimlim Ekuwam | Turkwel Community   | Member      |
| 23  | James Erukudi            | Turkwel Community   | Member      |
| 24  | Thomas Areki Amenele     | Turkwel Community   | Member      |
| 25  | Lokadio Elim Peter       | Turkwel Community   | Member      |
| 26  | Chamale Millicent        | Turkwel Community   | Member      |
| 27  | Patrick Ekunoit          | Turkwel Community   | Member      |
| 28  | Eleman David             | Turkwel Community   | Member      |
| 29  | Amuria Florence          | Turkwel Community   | Member      |
| 30  | Ariiong Edukon           | Turkwel Community   | Member      |

## 10 Participants from Lobei Kotaruk Ward

| No. | Name              | Org/Sector & County | Designation     |
|-----|-------------------|---------------------|-----------------|
| 1   | Simon Muya        | Community           | Snr.Chief Lobei |
| 2   | Ikalale Longorio  | Community           | Member          |
| 3   | Ekutan Lomorukai  | Community           | Member          |
| 4   | Regina Lokui      | Community           | Member          |
| 5   | Ekorot Paul       | Community           | Member          |
| 6   | Kuya Lotuk        | Community           | Member          |
| 7   | Rebecca Asinyen   | Community           | Member          |
| 8   | Chamale Millicent | Community           | Member          |
| 9   | Ann Nakuchu       | Community           | Member          |
| 10  | Peter Lopeyok     | Community           | Member          |
| 11  | Emuria Imoni      | Community           | Member          |
| 12  | Loregae Inok      | Community           | Member          |
| 13  | Naur Ejikon       | Community           | Member          |
| 14  | Lochomin Lodukae  | Community           | Member          |
| 15  | Julius Edome      | Community           | Member          |
| 16  | Samuel Ekwam Ewoi | Community           | Member          |
| 17  | Lokadokoi Yanae   | Community           | Member          |
| 18  | Erukwan Sekon     | Community           | Member          |
| 19  | Walakan Lokwawi   | Community           | Member          |
| 20  | Patrick Eyangon   | Community           | Member          |
| 21  | Mark Imana        | Community           | Member          |
| 22  | Patrick Ekunoit   | Community           | Member          |
| 23  | Justus Nabei      | Community           | Member          |
| 24  | Simale Elim       | Community           | Member          |
| 25  | Peter Ekai        | Community           | Member          |
| 26  | Esinyen Lokutiano | Community           | Member          |
| 27  | Daniel Lomorukai  | Community           | Member          |
| 28  | Apollo Benson     | Community           | Member          |
| 29  | Michael Lomorukai | Community           | Member          |
| 30  | Paul Emanman      | Community           | Member          |

## 11 Participants from Lokirama Ward

| No. | Name                     | Org/Sector & County | Designation |
|-----|--------------------------|---------------------|-------------|
| 1   | Nathan Longorio Akal     | Lokirama Community  | Member      |
| 2   | Francis Esuron Nachuch   | Lokirama Community  | Member      |
| 3   | Philip Edung Lokwawi     | Lokirama Community  | Member      |
| 4   | Lowokol Lokwang Titus    | Lokirama Community  | Member      |
| 5   | Teresa Eyanae Lokwakori  | Lokirama Community  | Member      |
| 6   | Sanya Ekitela Eloilo     | Lokirama Community  | Member      |
| 7   | Amoni Nakoel Tioko       | Lokirama Community  | Member      |
| 8   | Adukan Achuka            | Lokirama Community  | Member      |
| 9   | Victor Napak             | Lokirama Community  | Member      |
| 10  | Jonathan Kaliba Lokirika | Lokirama Community  | Member      |
| 11  | Eregae Ekitelaa Lokwawi  | Lokirama Community  | Member      |
| 12  | Peter Lokoumoit Walakan  | Lokirama Community  | Member      |
| 13  | Alex Lomorukai Lolem     | Lokirama Community  | Member      |

|    |                        |                    |        |
|----|------------------------|--------------------|--------|
| 14 | James Edapal           | Lokirama Community | Member |
| 15 | Lokwawi Longorio       | Lokirama Community | Member |
| 16 | Lokoda Ingetan Lokalei | Lokirama Community | Member |
| 17 | Iko Erukudi Kokoi      | Lokirama Community | Member |
| 18 | Lokuwom Tioko Lotiki   | Lokirama Community | Member |
| 19 | Symprose Longor Lokaru | Lokirama Community | Member |
| 20 | Mark Ajon Lokwawi      | Lokirama Community | Member |
| 21 | Loye Irine Imoni       | Lokirama Community | Member |
| 22 | Samuel Epur Ikaale     | Lokirama Community | Member |
| 23 | Peter Ibee             | Lokirama Community | Member |
| 24 | Jemimma Aloiloi        | Lokirama Community | Member |
| 25 | Rebecca Atiir Ewoi     | Lokirama Community | Member |
| 26 | Akai Losil Betty       | Lokirama Community | Member |
| 27 | Kareng Tioko           | Lokirama Community | Member |
| 28 | Achukwa Konei          | Lokirama Community | Member |
| 29 | Lomuko William         | Lokirama Community | Member |
| 30 | Gladys Ekuwom          | Lokirama Community | Member |

TURKANA COUNTY GOVERNMENT

MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA

Sub County T/SOUTH

Ward KARILU

Date 20/5/23

| S/No | Name                  | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|-----------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                       |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 19   | ENJAKI LEBUD NELVIN   | 31985012 | 0769527215 | ✓      |        |   |    | ✓        |          | <i>[Signature]</i> |
| 20   | MICHAEL LOYARA ERUTAN | 4780600  | 0740096370 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 21   | MUSA LOKTIE NAFETET   | 36335342 | 0745246290 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 22   | KEVIN EBAN LOKIRU     | 41612016 | 0798877752 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 23   | NANGOR EPENG EKAI     | 31955157 | 0768695663 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 24   | JAMES ETOOT AMOLEN    | 39955418 | 0115795623 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 25   | DAVID ERUPE ECHUM     | 37046082 | 0798665893 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 26   | EKIDOR SIMON EKAI     | 39990190 | 0706677714 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 27   | SARAH ECHAKAN ALIMLIN | 33579877 | 0744026510 |        | ✓      |   | ✓  | ✓        |          | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T/SOUTH  
Ward KATILU  
Date 22/5/23

| S.No | Name                      | ID       | Mobile No. | Gender |        | People living with disability (yes/no) |    | Age      |          | signature          |
|------|---------------------------|----------|------------|--------|--------|--|----|----------|----------|--------------------|
|      |                           |          |            | Male   | Female | Yes                                    | No | Below 35 | Above 35 |                    |
| 10   | GLADYS EJORE LOYARA       | 38522792 | 0702079291 | Male   | Female | ✓                                      |    |          |          | <i>[Signature]</i> |
| 11   | DAMARIS GITA AMAL LOKI RU | 37022340 | 074224234  |        | ✓      |  | ✓  | ✓        |          | <i>[Signature]</i> |
| 12   | ROBATI NGISEKONA EKIDOR   | 20015588 | 0757053604 |        | ✓      |  | ✓  | ✓        |          | <i>[Signature]</i> |
| 13   | REBECCA LONGAR LOCHAM     | 4760507  | 0704132541 |        | ✓      |  | ✓  |          | ✓        | <i>[Signature]</i> |
| 14   | SELINA KUIWAM NAKONG      | 25280780 | 072700885  |        | ✓      |  | ✓  |          | ✓        | <i>[Signature]</i> |
| 15   | COLLINS SAIPTI LOKI RU    | 35831783 | 0702163124 | ✓      |        |  | ✓  |          | ✓        | <i>[Signature]</i> |
| 16   | ROSE DWENI BULIMO         | 37504065 | 0723084394 |        | ✓      |  | ✓  | ✓        |          | <i>[Signature]</i> |
| 17   | DOMINIKAH UFEYOK INETE    | 38994242 | 0748284065 |        | ✓      |  | ✓  | ✓        |          | <i>[Signature]</i> |
| 18   | JETHAKIM KOSKOA UEBILA    | 36617445 | 0718089888 | ✓      |        |  | ✓  | ✓        |          | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T/SOUTH  
Ward KATILU  
Date 22/5/23

| S.No | Name          | ID       | Mobile No. | Gender |        | People living with disability (yes/no) |    | Age      |          | signature          |
|------|---------------|----------|------------|--------|--------|--|----|----------|----------|--------------------|
|      |               |          |            | Male   | Female | Yes                                    | No | Below 35 | Above 35 |                    |
| 28   | PAMSLA AJIKON | 40093117 | 074074093  |        | ✓      |  | ✓  |          | ✓        | <i>[Signature]</i> |
| 29   | ELIUD EBSNYO  | 30768382 | 072242605  | ✓      |        |  | ✓  | ✓        |          | <i>[Signature]</i> |
| 30   | EDWARD SPONG  | 22716627 | 072065249  | ✓      |        |  | ✓  |          | ✓        | <i>[Signature]</i> |
|      |               |          |            |        |        |  |    |          |          |                    |
|      |               |          |            |        |        |  |    |          |          |                    |
|      |               |          |            |        |        |  |    |          |          |                    |
|      |               |          |            |        |        |  |    |          |          |                    |
|      |               |          |            |        |        |  |    |          |          |                    |
|      |               |          |            |        |        |  |    |          |          |                    |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County ILPOH  
Ward ILPOH  
Date 17/05/2022

| S/No | Name             | ID      | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|------------------|---------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                  |         |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 28   | MAXIMILIAN CHUKU | 3476552 | 09020652   | ✓      | ✓      |   |    | ✓        |          | <i>[Signature]</i> |
| 29   | ELIMANAH LEWON   | 3423402 | 020092818  | ✓      |        |   |    | ✓        |          | <i>[Signature]</i> |
| 30   | ELIASAETH KATSU  | 1028070 | 071560508  |        | ✓      |   | ✓  |          | ✓        | <i>[Signature]</i> |
|      |                  |         |            |        |        |   |    |          |          |                    |
|      |                  |         |            |        |        |   |    |          |          |                    |
|      |                  |         |            |        |        |   |    |          |          |                    |
|      |                  |         |            |        |        |   |    |          |          |                    |
|      |                  |         |            |        |        |   |    |          |          |                    |
|      |                  |         |            |        |        |   |    |          |          |                    |
|      |                  |         |            |        |        |   |    |          |          |                    |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County ILSOUTH  
Ward KATILU  
Date 22/5/2023

| S/No | Name                  | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|-----------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                       |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 01   | LENDI BENARD          | 23260127 | 0721671661 | Male   |        |   |    | ✓        |          | <i>[Signature]</i> |
| 02   | DORCAS ASEKEN         | 21780514 | 0714976364 |        | ✓      |   |    | ✓        |          | <i>[Signature]</i> |
| 03   | BETHWEL ESINYEN       | 32093617 | 0711081361 | ✓      |        |   |    | ✓        |          | <i>[Signature]</i> |
| 04   | ESTHER EREGAE ENOI    | 23403489 | 0728753809 |        | ✓      |   |    | ✓        |          | <i>[Signature]</i> |
| 05   | JEREMIAH LOCHMIN EBEI | 30473698 | 0726149385 |        |        | ✓                                       |    | ✓        |          | <i>[Signature]</i> |
| 06   | PETER AMERIAKOL       | 11012747 | 0714978525 | ✓      |        |   |    | ✓        |          | <i>[Signature]</i> |
| 07   | EKUWAM ENOI           | 28204401 | 0711052017 | ✓      |        |   |    | ✓        |          | <i>[Signature]</i> |
| 08   | ESTHER LOKIDOR        | 4762510  | 0714978207 |        | ✓      |   |    | ✓        |          | <i>[Signature]</i> |
| 09   | EVERLINE ATABO KORIMA | 36071212 | 0718051560 |        | ✓      |   |    | ✓        |          | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T/SOUTH  
Ward LOBOKAT  
Date 17/05/2023

| S/No | Name             | ID       | Mobile No. | Gender | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|------------------|----------|------------|--------|---|----|----------|----------|--------------------|
|      |                  |          |            |        | Yes                                     | No | Below 35 | Above 35 |                    |
| 00   | JAMES LOKUCHS    | 30412240 | 0757497859 | Male ✓ |   |    | ✓        |          | <i>[Signature]</i> |
| 11   | HANDSON LOKAI    | 34225120 | 0704252018 | ✓      |   |    | ✓        | ✓        | <i>[Signature]</i> |
| 12   | NADII ECHWA      | 24934211 | 0724949327 | ✓      |   |    |          | ✓        | <i>[Signature]</i> |
| 13   | IMONI NGILIMO    | 36348010 | 0112543003 |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 14   | ELKANAH ELIMILIM | 32093142 | 0795611862 | ✓      |   |    | ✓        |          | <i>[Signature]</i> |
| 15   | EVERLYNS LOWOI   | 23449042 | 0719466027 |        | ✓                                       |    | ✓        |          | <i>[Signature]</i> |
| 16   | AUCIE CHENGSM    | 25342014 | 0716087336 |        | ✓                                       |    |          | ✓        | <i>[Signature]</i> |
| 17   | IRINE NAPTIST    | 34274012 | 0707492233 |        | ✓                                       |    | ✓        |          | <i>[Signature]</i> |
| 18   | BETTY LOMURIA    | 32080214 | 075834361  |        | ✓                                       |    | ✓        |          | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T/SOUTH  
Ward LOBOKAT  
Date 17/05/2023

| S/No | Name              | ID       | Mobile No.  | Gender | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|-------------------|----------|-------------|--------|---|----|----------|----------|--------------------|
|      |                   |          |             |        | Yes                                     | No | Below 35 | Above 35 |                    |
| 19   | NORAH ADAPAZ      | 22116042 | 0345361006  | Male   |   |    |          |          | <i>[Signature]</i> |
| 20   | PETER LOYKNAE     | 20664011 | 0113475937  | ✓      |   |    | ✓        | ✓        | <i>[Signature]</i> |
| 21   | MIRRIAM AKACIE    | 31485001 | 0717261431  |        | ✓                                       |    | ✓        | ✓        | <i>[Signature]</i> |
| 22   | BELINDAH KELITANY | 29324011 | 0707074608  |        | ✓                                       |    | ✓        | ✓        | <i>[Signature]</i> |
| 23   | MICHAEL LOKOL     | 28421160 | 0729452542  | ✓      |   |    | ✓        | ✓        | <i>[Signature]</i> |
| 24   | NAPUA INOK        | 26412014 | 0724902800  |        | ✓                                       |    | ✓        | ✓        | <i>[Signature]</i> |
| 25   | JAMES LOKUCHS     | 23103420 | 0723754632  | ✓      |   |    | ✓        | ✓        | <i>[Signature]</i> |
| 26   | PETER KITOS       | 32405021 | 07141123240 | ✓      |   |    | ✓        | ✓        | <i>[Signature]</i> |
| 27   | RICHARD EKUTAN    | 26741024 | 072933792   | ✓      |   |    | ✓        | ✓        | <i>[Signature]</i> |



TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T/SOUTH  
Ward LOKICHAR  
Date 22/5/2023

| S/No | Name            | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|-----------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                 |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 01   |                 |          |            |        |        |   |    |          |          |                    |
| 01   | FESTUS LOKUCHA  | 1211350  | 0716180019 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 2    | CYNTHIA KALENG  | 33039405 | 0959997676 |        | ✓      |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 3    | GEOFFREY EREGAE | 21698853 | 0720648111 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 4    | JOHN ENIPOND    | 23963317 | 0922126827 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 5    | RITA IKACHO     | 13647159 | 0925408984 |        | ✓      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 6    | BENJAMIN LORU   | 8287374  | 0729491648 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 7    | RICHARD EKUTAN  | 2232083  | 0928611515 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 8    | PAUL IPOLOT     | 20032182 | 0922134750 | ✓      |        | ✓                                       |    |          | ✓        | <i>P. L...</i>     |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T/SOUTH  
Ward KALAPATA  
Date 15/05/2023

| S/No | Name             | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                  |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 01   |                  |          |            |        |        |   |    |          |          |                    |
| 26   | WINNIE STAR EWOI | 36112361 | 0725453509 |        | ✓      |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 27   | LEAH EKEL LOTOT  | 35046937 | 0792619601 |        | ✓      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 28   | BENJAMIN LOKHEI  | 33922213 | 0792068835 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 29   | PAULINE LONDI    | 25061040 | 091428121  |        | ✓      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 30   | PHILIP ELIMLIM   | 47922057 | 091623812  | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
|      |                  |          |            |        |        |   |    |          |          |                    |
|      |                  |          |            |        |        |   |    |          |          |                    |
|      |                  |          |            |        |        |   |    |          |          |                    |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA

Sub County T/SOUTH

Ward KALAPATA

Date 16/05/2023

| S/No | Name                   | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature        |
|------|------------------------|----------|------------|--------|--------|---|----|----------|----------|------------------|
|      |                        |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                  |
| 8    | SAMUEL NANGIRO         | 25061086 | 0711799674 | Male   |        |   |    |          |          | <i>Samuel</i>    |
| 9    | Christine Asafex       | 12438475 | 071022133  |        | Female | ✓                                       |    |          | ✓        | <i>Christine</i> |
| 10   | Alapatu Eturi          | 30483104 | 0793948671 | ✓      |        | ✓                                       |    |          | ✓        | <i>Alapatu</i>   |
| 11   | Francis Ikaran Tokus   | 42349067 | 070638989  | ✓      |        | ✓                                       |    | ✓        |          | <i>Francis</i>   |
| 12   | Henry Henry Kijar      | 34037980 | 0707980052 | ✓      |        |   |    | ✓        |          | <i>Henry</i>     |
| 13   | EIDA LOKINEI KUYA      | 28245932 | 0717486299 | ✓      |        |   |    | ✓        |          | <i>Eida</i>      |
| 14   | PHILIP EREKAE AKENO    | 27715339 | 0727696263 | ✓      |        |   |    | ✓        |          | <i>Philip</i>    |
| 15   | DELIWINE AKIRO ESINTEN | 33033429 | 0711763309 |        |        |   |    |          |          | <i>Deliwine</i>  |
| 16   | SAMSON ELOVAM          | 12908133 | 0757167771 | ✓      |        |   |    | ✓        |          | <i>Samson</i>    |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA

Sub County T/SOUTH

Ward KAPTA

Date 17/5/2023

| S/No | Name           | ID        | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature      |
|------|----------------|-----------|------------|--------|--------|---|----|----------|----------|----------------|
|      |                |           |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                |
| 01   | SIMON KOLOI    | 11512467  | 071366446  | Male   |        |   |    |          | ✓        | <i>Simon</i>   |
| 2    | ANDREW ELEON   | 2404817   | 071944969  | ✓      |        |   |    | ✓        |          | <i>Andrew</i>  |
| 3    | HOSEA KIAPA    | 13648263  | 0716889140 | ✓      |        |   |    | ✓        |          | <i>Hosea</i>   |
| 4    | AKALES KIYOK   | 434171    | 07045896   | ✓      |        | ✓                                       |    |          | ✓        | <i>Akales</i>  |
| 5    | PETER EDAPAL   | 12907305  | 0706392180 | ✓      |        |   |    | ✓        |          | <i>Peter</i>   |
| 6    | VITALIS EJOKE  | 34333082  | 0701637988 |        |        |   |    | ✓        | ✓        | <i>Vitalis</i> |
| 7    | MARY KCHUKA    | 0610304   | 071799052  |        | Female |   |    | ✓        |          | <i>Mary</i>    |
| 8    | COSMAS ESINTEN | 2204460   | 0713479958 | ✓      |        |   |    | ✓        | ✓        | <i>Cosmas</i>  |
| 9    | DICKSON KAMARO | 342854263 | 071424461  | ✓      |        |   |    | ✓        | ✓        | <i>Dickson</i> |





TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA

Sub County T/SOUTH

Ward LOKICHAR

Date 22/5/2023

| S/No | Name            | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature         |
|------|-----------------|----------|------------|--------|--------|---|----|----------|----------|-------------------|
|      |                 |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                   |
| 01   |                 |          |            |        |        |   |    |          |          |                   |
| 17   | Phoebe NAIMO    | 03817013 | 0746320820 |        | ✓      |   | ✓  |          | ✓        | <i>P. Naimo</i>   |
| 18   | DAVID EKIRU     | 40974966 | 0769844600 | ✓      |        |   | ✓  | ✓        |          | <i>D. Ekiru</i>   |
| 19   | CHUMATI KORIKEL | 21720329 | 0797945175 | ✓      |        |   | ✓  |          | ✓        | <i>C. Korikel</i> |
| 20   | AMOS EDUNG      | 30422811 | 0761440200 | ✓      |        |   |    | ✓        |          | <i>A. Edung</i>   |
| 21   | LOWENI JARUS    | 32093420 | 0722418807 | ✓      |        |   |    | ✓        |          | <i>L. Jarus</i>   |
| 22   | SAMUEL ZBEI     | 28740900 | 0721004020 | ✓      |        |   |    |          | ✓        | <i>S. Zbei</i>    |
| 23   | LOKAI JAMES     | 26209871 | 0724809400 | ✓      |        |   |    |          | ✓        | <i>L. James</i>   |
| 24   | BRAMWEL EKAL    | 32116249 | 0712840044 | ✓      |        |   |    | ✓        |          | <i>B. Ekai</i>    |

|     |                        |                  |          |            |         |
|-----|------------------------|------------------|----------|------------|---------|
| 14. | JAMES EDAPAL           |                  | 32102844 | 0710804504 |         |
| 15. | LOKODA INGETAN LOKALEI |                  | 9672925  | 0740757452 |         |
| 16. | IKO ERUKUDI KOKOI      |                  | 36413676 | 0112937697 |         |
| 17. | LOMUKUOTI TISO LOTIKI  |                  | 31052229 | 0718297172 |         |
| 18. | Symprase Longer Lokani |                  | 32051286 | 0727095964 | Stt     |
| 19. | MARK AJON LOKWANI      | Ass. CHIEF       | 23695088 | 0707024889 | HB      |
| 20. | LOTE IRINE IMOMI       | CLERICAL OFFICER | 54897240 | 0799613730 | Eda     |
| 21. | SAMUEL EPUR IKMAKE     |                  | 20134815 | 0710870415 | Ba225   |
| 22. | PETER IRCE             |                  | 22514622 | 0710281147 | PO      |
| 23. | JEMINMA ALOILOI        | Member           | 35197740 | 0716252940 | Jaw     |
| 24. | Rebecca Atir Ewa       | Member           | 11513693 | 0702397132 |         |
| 25. | AKAI LOSIL Betty       | Member           | 39141346 | 0701521330 |         |
| 26. | KARENGA TIOKO          | Member           | 21334111 | 0714231533 |         |
| 27. | LOMUKO WILLIAM         | Member           | 29630054 | 0703971058 | Ed      |
| 28. | ACHUKWA KONGI          | Member           | 4557851  | 0703680770 | Adchike |
| 29. | NATHAN LONGORO AKAI    | CHIEF            | 11513725 | 0714055468 | Ed      |
| 30. | GLADYS EKUNOM          | MEMBER           | 36597233 | 0796133495 |         |
| 31. |                        |                  |          |            |         |
| 32. |                        |                  |          |            |         |
| 33. |                        |                  |          |            |         |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County 7/LODIH  
Ward LODOKAT  
Date 17/05/2023

| S/No | Name            | ID       | Mobile No. | Gender | People living with disability (yes/no) | Age      |          | signature |
|------|-----------------|----------|------------|--------|--|----------|----------|-----------|
|      |                 |          |            |        |  | Below 35 | Above 35 |           |
| 01   | HOSEAH EKIYEYES | 3320849  | 0716147141 | Male   | ✓                                      | ✓        | ✓        | Eda       |
| 02   | JOHN CHICHI     | 33204902 | 07272725   | ✓      | ✓                                      | ✓        | ✓        | Eda       |
| 03   | EMMANUEL CHENGE | 31204022 | 0739798696 | ✓      | ✓                                      | ✓        | ✓        | Eda       |
| 04   | IDI KORIKEL     | 35760162 | 070001050  | ✓      | ✓                                      | ✓        | ✓        | Eda       |
| 05   | PHILEMON LOBUIN | 20470617 | 099905207  | ✓      | ✓                                      | ✓        | ✓        | Eda       |
| 06   | BRAMWEL ENOI    | 32093402 | 0717488871 | ✓      | ✓                                      | ✓        | ✓        | Eda       |
| 07   | LOMUKUYA EDWIN  | 33443087 | 07271499   | ✓      | ✓                                      | ✓        | ✓        | Eda       |
| 08   | DENNIS EKUNOM   | 32458600 | 070298575  | ✓      | ✓                                      | ✓        | ✓        | Eda       |
| 09   | PETER CHICHI    | 12433986 | 0741055932 | ✓      | ✓                                      | ✓        | ✓        | Eda       |

TURKANA COUNTY GOVERNMENT

LOKIRIANA WA



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

WARD

| S/NO: | Names                      | Designation | ID NO    | PHONE NO   | SIGNATURE |
|-------|----------------------------|-------------|----------|------------|-----------|
| 1.    | FRANCIS ESURON NACHWEI     |             | 13648530 | 0741696669 |           |
| 2.    | LOWOKOL LOWWANG TITUS      | ASS. CHIEF  | 23225849 | 0706342797 |           |
| 3.    | PHILIP EDUNGE LOWWANI      |             | 32767475 | 0741254134 |           |
| 4.    | TERESA EIANAE LOWWANI      |             | 31070346 | 0703668489 |           |
| 5.    | SANYA EKITELA ELOILOI      |             | 27437698 | 0740585703 |           |
| 6.    | AMONI NAKOEL TIOKO         |             | 23670306 | 0758455816 |           |
| 7.    | ADUKAN ARHUKA              |             | 21381075 | 0768159952 |           |
| 8.    | VICTOR NAPIK               |             | 36387431 | 0706620628 |           |
| 9.    | JONATHAN KALIBA LOKIRIKA   |             | 21344161 | 0712501640 |           |
| 10.   | ERESME EKITELA LOWWANI     |             | 31619641 | 0797432494 |           |
| 11.   | PETER LOKOUNJOIT WALAKAN   |             | 10124489 | 0716537348 |           |
| 12.   | ALEX KOMORUKAI LOWWANI     |             | 37408053 | 0110697505 |           |
| 13.   | LOKWANI LOWGORIO LOSOLOMOE |             | 31358088 | 0795907202 |           |

TURKANA COUNTY GOVERNMENT

LOIMA WARD



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

WARD

| S/NO: | Names                    | Designation      | ID NO    | PHONE NO   | SIGNATURE |
|-------|--------------------------|------------------|----------|------------|-----------|
| 1.    | EKOMWA JAMES             | RELIGIOUS LEADER | 21316462 | 0729209143 |           |
| 2.    | JOHN ESEKON              | MEMBER           | 23347794 | 0703894271 |           |
| 3.    | MARIA AKIPETOT LOTYAN    | MEMBER           | 20310269 | 0713795135 |           |
| 4.    | MATTHEW K. LEMUYA        | MEMBER           | 10986538 | 0111944157 |           |
| 5.    | KEN MUNTES LOBUR         | MEMBER           | 34037371 | 0722604523 |           |
| 6.    | PASCALINE LOSIKEERUON    | Member           | 35943445 | 0742630302 |           |
| 7.    | LONGOL EWOI ILUKOL       | Member           | 20364111 | 0719660106 |           |
| 8.    | JAMES ITAO               | MEMBER           | 5731508  | 0720214288 |           |
| 9.    | EKAIDELI BIRON           | MEMBER           | 20275491 | 0745354246 |           |
| 10.   | PAUL FOIBE LOWWANI       | MEMBER           | 29399791 | 0717732621 |           |
| 11.   | LOMORUKAI EDUNGE LOWWANI | MEMBER           | 20278730 | 0723746725 |           |
| 12.   | ANTONY LOWWANG LOKOTIO   | MEMBER           | 26672404 | 0701637209 |           |
| 13.   | LOMEKWII ATAN AUWO       | MEMBER           | 12908357 | 0799915966 |           |



|     |                    |            |                      |             |                                  |
|-----|--------------------|------------|----------------------|-------------|----------------------------------|
| 14. | ALICE APUWA        | A/CHIEF    | 21491551             | 0712151973  | <del>Handwritten signature</del> |
| 15. | KENA ELIMU KAPONGI | member     | 5643396              | 0768380750  | #                                |
| 16. | ANN ARON           | member     | 26382688             | 0725042153  | <del>Handwritten signature</del> |
| 17. | DAUDI EHEN         | ECC        | 29028385             | 0745411196  | #                                |
| 18. | KUYA ENDI ECHAKAN  | C. member  | 5888279              | 07 97946047 | #                                |
| 19. | JESCA KASURU       | C. member  | 39158146             | 0798251768  | <del>Handwritten signature</del> |
| 20. | Anderson Ntanga    | C. member  | 40435721             | 0718265851  | <del>Handwritten signature</del> |
| 21. | Lokena Lomwa       | C. member  | 41618381             | 0115237999  |                                  |
| 22. | Kangiloi akalale   | CM         | 7477149              | 0793692745  | <del>Handwritten signature</del> |
| 23. | Skaskout Losapirei | C. M       | 32918919<br>12911203 | 0700389203  | <del>Handwritten signature</del> |
| 24. | Paulina Akw        | klomwa rep | 12911203             | 0700389203  | <del>Handwritten signature</del> |
| 25. | Kulliam gwe        | youth rep. | 29673495             | 0712354584  | <del>Handwritten signature</del> |
| 26. | LEVI ESKUKU LOTONG | youth      | 37929105             | 0741159993  | <del>Handwritten signature</del> |
| 27. | GILADYS LOTUKOI    | Member     | 35996557             | 0745784192  | Gladys                           |
| 28. |                    |            |                      |             |                                  |
| 29. |                    |            |                      |             |                                  |
| 30. |                    |            |                      |             |                                  |
| 31. |                    |            |                      |             |                                  |
| 32. |                    |            |                      |             |                                  |
| 33. |                    |            |                      |             |                                  |

TURKANA COUNTY GOVERNMENT

LOBEI/KOTARUK WAI

28<sup>th</sup> - 29<sup>th</sup> March 2023



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM

WARD LOBEI/KOTARUK

ACTIVITY: PCDRA

| S/NO: | Names                  | Designation                                | ID NO    | PHONE NO   | SIGNATURE                        |
|-------|------------------------|--|----------|------------|----------------------------------|
| 1.    | SIMON MUYA ECHAKAN     | SNR CHIEF LOBEI                            | 21327561 | 0724883651 | <del>Handwritten signature</del> |
| 2.    | GODFREY ESEKON         | V-ADMIN                                    | 26229910 | 0727431805 | <del>Handwritten signature</del> |
| 3.    | TOMMY EFANAE           | V-ADMIN                                    | 25826434 | 0702173945 | <del>Handwritten signature</del> |
| 4.    | IKALALE LONGORIO       | ELDER                                      | 20311852 | 0115419693 | <del>Handwritten signature</del> |
| 5.    | EKUTAN LOMORUKAI       | COMMUNITY                                  | 32387157 | 0704817682 | <del>Handwritten signature</del> |
| 6.    | REBECCA KINYEN LOYANAE | COMMUNITY                                  | 32139444 | 0769649009 | <del>Handwritten signature</del> |
| 7.    | CHAMALE AKAL MLLICENS  | LOIMA SUB-COUNTY NATURAL RESOURCES OFFICER | 24840046 | 0720822748 | <del>Handwritten signature</del> |
| 8.    | ANNE WAKUCHU NANEZ     | COMMUNITY                                  | 13425196 | 0727402428 | <del>Handwritten signature</del> |
| 9.    | PETER LOPEYAK EBEYO    | COMMUNITY                                  | 20856091 | 0727651809 | <del>Handwritten signature</del> |
| 10.   | EMURIA IMONI NICHOLAS  | COMMUNITY                                  | 31935378 | 0798250209 | <del>Handwritten signature</del> |
| 11.   | LOREGAE INOK EBHANGAI  | COMMUNITY                                  | 29671065 | 0769276418 | <del>Handwritten signature</del> |
| 12.   | NAUR ESIMOKI GEORGE    | COMMUNITY                                  | 30326946 | 0741146028 | <del>Handwritten signature</del> |
| 13.   | LOCHOMIN LODUKAE       | COMMUNITY                                  | 30308885 | 0708926183 | <del>Handwritten signature</del> |

|    |                     |                     |                        |            |                 |
|----|---------------------|---------------------|------------------------|------------|-----------------|
| 14 | JULIUS E. EDOWE     | COMMUNITY           | 10987467               | 0791489564 | <del>None</del> |
| 15 | SAMUEL EKIAN EKE    | COMMUNITY           | 4764346                | 0705682317 | <del>None</del> |
| 16 | LOKADOKI YAAE       | COMMUNITY           | 25646091               | 0704115175 | <del>None</del> |
| 17 | ERUKWAN SEKEN       | COMMUNITY           | 24107729               | 0798308747 | <del>None</del> |
| 18 | LWAKAN LOKHANI      | COMMUNITY           | 24105894               | 0711293989 | <del>None</del> |
| 19 | PATRICK ETIANAN     | COMMUNITY           | 20856644               | 070609098  | <del>None</del> |
| 20 | MARK IMANI          | COMMUNITY           | 20725310               | 0704175278 | <del>None</del> |
| 21 | PATRICK EKUNDIT     | COMMUNITY           | 37487442               | 0110031944 | <del>None</del> |
| 22 | JUSTICE NABEI KOOBO | COMMUNITY           | 12434835               | 0759056485 | <del>None</del> |
| 23 | SIMALE ELIM GODORE  | COMMUNITY           | 83674881               | 0702987721 | <del>None</del> |
| 24 | PETER KRAI TUKO     | CLERK               | 10987865               | 0706148527 | <del>None</del> |
| 25 | ESIME LOKUTUNO      | COMMUNITY           | 30324829               | 0707067699 | <del>None</del> |
| 26 | DANIEL LOMORUKA     | COMMUNITY           | 20388617               | 0706908154 | <del>None</del> |
| 27 | NICHAEZ LOMORUKA    | COMMUNITY           | 12905767               | 0708124364 | <del>None</del> |
| 28 | NAOMI LOMORUKA      | ENVIRONMENT OFFICER | 22237333               | 0725022306 | <del>None</del> |
| 29 | Ernst Philip        | Research Ass.       | 31984879               | 0791968977 | <del>None</del> |
| 30 | DENNIS EKUNOM       | Research Assistant  | 37426113               | 0740298575 | <del>None</del> |
| 31 | EDNINE LOMEKOYA     | Research Assistant  | 34050626               | 0742171499 | <del>None</del> |
| 32 | DUNCAN MAKADA       | Research Assnt.     | 32207669               | 0701124824 | <del>None</del> |
| 33 | APOLLO BENSON       | Community           | 0711579180<br>23357714 | 0711579180 | <del>None</del> |

|    |                      |                |          |            |                 |
|----|----------------------|----------------|----------|------------|-----------------|
| 34 | LOKANA NAOMI LOKITOR | Research Asst. | 36561820 | 0795790504 | <del>None</del> |
| 35 | JOSEPH ESORE         | Research Asst. | 34360906 | 0700683378 | <del>None</del> |
| 36 | LAWRENCE EKAALÉ      | WARD ADMIN     |          | 0711845528 | <del>None</del> |
| 37 | PAUL EMANNIAN        | Community      | 40434653 | 0793587373 | <del>None</del> |
| 38 | ERIKOT PAUL          | Community      | 34619295 | 0742214921 | <del>None</del> |
| 39 | Regina Loku          | Community      | 12436172 | 0720039827 | <del>None</del> |
| 40 | LOTUK RUYA           | Community      | 39425758 | 0748104879 | <del>None</del> |



TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM

ACTIVITY: PCVRA PARTICIPANT LIST KANGARUA WARD.

| S/N | Names                 | Designation          | ID NUMBER | Day 1 | Day 2 |
|-----|-----------------------|----------------------|-----------|-------|-------|
| 1.  | EWEEST K. WILSON      | YOUTH REPRESENTATIVE | 3402245   | ✓     | ✓     |
| 2.  | ALEX FIIR LONYAIT     | C.B.O                | 36084089  | ✓     | ✓     |
| 3.  | LONYAIT AKUMOM BEN    | PUBLIC BENEFICIARY   | 37176282  | ✓     | ✓     |
| 4.  | DENNIS EBUKUDI        | PUBLIC BENEFICIARY   | 36078769  | ✓     | ✓     |
| 5.  | NGIMOS N. EKAMALS     | CIVIL RIGHT          | 351040270 |       | ✓     |
| 6.  | EKITELES N. ESMYEN    | CIVIL RIGHT          | 36617023  |       |       |
| 7.  | JUNE AKIRU LOKIPI     | CLERK                | 28151851  | ✓     | ✓     |
| 8.  | NICK OTIENO           | WARD CLERK           | 30260784  | ✓     | ✓     |
| 9.  | JOSEPH LONYAIT NATINI | VILLAGE ELDER        | 4789572   | ✓     | ✓     |
| 10. | WILLIAM LOBODI KOKEL  | VILLAGE ELDER        |           |       |       |
| 11. | ERAI SHARON LOBATO    | WOMEN REPRESENTATIVE | 38452876  | ✓     | ✓     |
| 12. | CHRISTINA TIJA LORU   | MEMBERS              | 4793531   | ✓     | ✓     |
| 13. | EMORU EKAL AMBROSE    | ELITE C.B.O          | 25119126  | ✓     | ✓     |
| 14. | ISAAC EIBACH EMPOR    | PLWD REP             | 08765486  | ✓     | ✓     |
| 15. | FELIX MAPERIT         | BMU MEMBER           | 27165644  | ✓     | ✓     |
| 16. | PETER EKUNOM          | PASTOR REP           | 23681914  | ✓     | ✓     |
| 17. | PETER EKAMUNGO        | Member               | 11512166  | ✓     | ✓     |
| 18. | FRANCEIS CHAO         | B.M.U.               | 20758675  | ✓     | ✓     |
| 19. | HOLEM LOSIKE EMOI     | member               | 0611381   | ✓     | ✓     |
| 20. | JACKLINE IBUTE LOKIPI | member               | 30772242  | ✓     | ✓     |

Authorized by: \_\_\_\_\_

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM

ACTIVITY:

| S/N | Names                | Designation              | ID NUMBER | Day 1 | Day 2 |
|-----|----------------------|--------------------------|-----------|-------|-------|
| 1.  | VIVIAN ERAT EKAI     | member                   | 36063005  | ✓     | ✓     |
| 2.  | CONTRINE NAKALA      | member                   | 33741787  | ✓     | ✓     |
| 3.  | LOHAP LEVIS LENNOX   | member                   | 25057751  | ✓     | ✓     |
| 4.  | CONCEPTOR A. KAGENG  | member                   | 23414134  | ✓     | ✓     |
| 5.  | EROT EDUKON          | member                   | 25021947  | ✓     | ✓     |
| 6.  | TITIA LOKAI ONESMUS  | climate change committee | 34040000  | ✓     | ✓     |
| 7.  | EGIONTO LONYAIT PAUL | " " "                    | 21347865  | ✓     | ✓     |
| 8.  | RHODAN AKESIT CHANKE | WARD ADMIN               | 31232514  | ✓     | ✓     |
| 9.  |                      |                          |           |       |       |
| 10. |                      |                          |           |       |       |
| 11. |                      |                          |           |       |       |
| 12. |                      |                          |           |       |       |
| 13. |                      |                          |           |       |       |
| 14. |                      |                          |           |       |       |
| 15. |                      |                          |           |       |       |
| 16. |                      |                          |           |       |       |
| 17. |                      |                          |           |       |       |
| 18. |                      |                          |           |       |       |
| 19. |                      |                          |           |       |       |
| 20. |                      |                          |           |       |       |

Authorized by: \_\_\_\_\_

|     |                        |                  |          |            |         |
|-----|------------------------|------------------|----------|------------|---------|
| 14. | JAMES PAPPAL           |                  | 32102844 | 0710804504 |         |
| 15. | LOKOTA MEETAN LOKALEI  |                  | 9672925  | 0740757452 |         |
| 16. | IKO ERANDI KOKOI       |                  | 36413676 | 0112937697 |         |
| 17. | LOMUMOT TIOLO LOTIKI   |                  | 31052229 | 0718297172 |         |
| 18. | SIMPRISE LONGER LOKANI |                  | 32051286 | 0727095964 | Sta     |
| 19. | MARK ATON LOKWANI      | Ass. CHIEF       | 23695088 | 0707024889 | Mark    |
| 20. | LOTE IRINE IMONI       | CLERICAL OFFICER | 54697240 | 0777613730 | Lot     |
| 21. | SAMUEL EKUR IKARKE     |                  | 20134815 | 0710870415 | Sam     |
| 22. | PETER IRCE             |                  | 22514622 | 0710251142 | Peter   |
| 23. | JEMIMMA ALOILOI        | Member           | 35197740 | 0716252940 | Jem     |
| 24. | Rebecca Atir Enai      | Member           | 11513693 | 0702397132 | Rebecca |
| 25. | AKOI LOSIL BETTY       | Member           | 39141346 | 0701521330 | Akoi    |
| 26. | KARENGA TIOLO          | Member           | 21334111 | 0714231533 | Karenga |
| 27. | LOMUKO WILLIAM         | Member           | 29630054 | 0703971058 | William |
| 28. | ACHUKWA KONGI          | Member           | 4557851  | 0703680770 | Achukwa |
| 29. | NATHAN LONGGOTO AKAI   | CHIEF            | 11513725 | 0714055468 | Nathan  |
| 30. | GLADYS EKUMOM          | MEMBER           | 36577232 | 0796133493 | Gladys  |
| 31. |                        |                  |          |            |         |
| 32. |                        |                  |          |            |         |
| 33. |                        |                  |          |            |         |

TURKANA COUNTY GOVERNMENT

LOKIRIANA WA



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

WARD

| S/NO: | Names                     | Designation | ID NO    | PHONE NO   | SIGNATURE |
|-------|---------------------------|-------------|----------|------------|-----------|
| 1.    | FRANCIS ESURON NACHICH    |             | 13648530 | 0741696669 | Francis   |
| 2.    | LOWOKOL LOKWANGI TITUS    | Ass. CHIEF  | 23225849 | 0706342797 | Titus     |
| 3.    | PHILIP EDUNGE LOKWANI     |             | 32767475 | 0741254134 | Philip    |
| 4.    | TERESA EKAMAE LOKWANGI    |             | 31070346 | 0703668489 | Teresa    |
| 5.    | SANYA EKITELE ELILOI      |             | 27437698 | 0740585703 | Sanya     |
| 6.    | AMONI NAKOEL TIOLO        |             | 23670306 | 0758455816 | Amoni     |
| 7.    | ADUKAN AZHUKA             |             | 21381075 | 0768159952 | Adukan    |
| 8.    | VICTOR NADAK              |             | 36387431 | 0706620628 | Victor    |
| 9.    | JONATHAN KAKIBA LOKIRIKA  |             | 21344161 | 0712501640 | Jonathan  |
| 10.   | EREMIE EKITELE LOKWANI    |             | 31619641 | 0797432494 | Eremie    |
| 11.   | PETER LOKUMOLIT WALAKAN   |             | 10124489 | 0716537348 | Peter     |
| 12.   | ALEX KOMORUKAI LOKOM      |             | 37403053 | 0110697505 | Alex      |
| 13.   | LOKWANI LONGGOTO LOSOLOMO |             | 31353088 | 0795907202 | Loxolomo  |

TURKANA COUNTY GOVERNMENT

LOJINA WARD



World Food Programme

MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

WARD

| S/NO: | Names                       | Designation      | ID NO    | PHONE NO   | SIGNATURE |
|-------|-----------------------------|------------------|----------|------------|-----------|
| 1.    | EKOMWA JAMES                | RELIGIOUS LEADER | 21316462 | 0729209143 |           |
| 2.    | JOHN ESEYON                 | MEMBER           | 23347794 | 0703894271 |           |
| 3.    | MARIA AKIPETOT LOTIYAN      | MEMBER           | 20310269 | 0713795135 |           |
| 4.    | MATTHEW K. LEMUYA           | MEMBER           | 10986538 | 0111944157 |           |
| 5.    | KEN MUNYES LOBUR            | MEMBER           | 34037371 | 0722604523 |           |
| 6.    | PASCALINE LOSKEEMUON        | MEMBER           | 35943445 | 0742630302 |           |
| 7.    | LONMOL EWOL ILUKOL          | Member           | 20364111 | 0719660106 |           |
| 8.    | JAMES ITAO                  | MEMBER           | 5731508  | 0720214288 |           |
| 9.    | EKAIDELI ESEON              | MEMBER           | 20235491 | 0745354246 |           |
| 10.   | PAUL FOIB LOMKUT            | MEMBER           | 29399791 | 0717732671 |           |
| 11.   | LOMORUKH EPHUNGURE LOMAMUWA | MEMBER           | 20278730 | 0723746725 |           |
| 12.   | ANTHONY LOKWANG LUKETO      | MEMBER           | 26672404 | 0701637209 |           |
| 13.   | LOMEKWII ATIAN AUIMO        | MEMBER           | 12908357 | 0799915966 |           |

|     |                     |            |                      |            |  |
|-----|---------------------|------------|----------------------|------------|--|
| 14. | ALICE APOWA         | ALCHIEF    | 21491551             | 0712151973 |  |
| 15. | LENA ELIMU KAPONDI  | Member     | 5643396              | 0768380750 |  |
| 16. | ANN AROON           | member     | 26382688             | 0725042153 |  |
| 17. | DAUDI EHEN          | ECC        | 29028385             | 0745411196 |  |
| 18. | KUYA EWOL ECHAM     | C. member  | 5888279              | 079746049  |  |
| 19. | JESCA NASURU        | C. member  | 39158146             | 0798251768 |  |
| 20. | ANDERSON NTAUGA     | C. member  | 40425721             | 0718265851 |  |
| 21. | LOKENA LOMUWA       | C. member  | 41618381             | 0115237999 |  |
| 22. | KANGILOI AKALALE    | CM         | 7477149              | 0793692745 |  |
| 23. | SKASKOUT LOSAPIREI  | C. M       | 32418919<br>12911203 | 0700389203 |  |
| 24. | PAULINA AKIN        | klonka rep | 12911203             | 0700389203 |  |
| 25. | KILLIAM GIORE       | youth rep. | 29673495             | 0712354584 |  |
| 26. | LEVI ESKUKU LOTIANG | youth      | 37929105             | 0741159993 |  |
| 27. | GLADYS LOTUKOI      | Member     | 35986557             | 0745784192 |  |
| 28. |                     |            |                      |            |  |
| 29. |                     |            |                      |            |  |
| 30. |                     |            |                      |            |  |
| 31. |                     |            |                      |            |  |
| 32. |                     |            |                      |            |  |
| 33. |                     |            |                      |            |  |



|     |                     |                     |                        |            |                    |
|-----|---------------------|---------------------|------------------------|------------|--------------------|
| 14. | JULIUS E. EDOME     | Community           | 10987467               | 0791489564 | <i>[Signature]</i> |
| 15. | SAMUEL EKUM ENO     | Community           | 4764346                | 0705682319 | <i>[Signature]</i> |
| 16. | LEKADENI YANAE      | Community           | 25646091               | 0704115175 | <i>[Signature]</i> |
| 17. | BUKUAN SEKON        | Community           | 24107729               | 0798308747 | <i>[Signature]</i> |
| 18. | LALAKAN LOKHAWI     | Community           | 24105894               | 0711293989 | <i>[Signature]</i> |
| 19. | PATRICK ETANIAN     | Community           | 20856644               | 0700609098 | <i>[Signature]</i> |
| 20. | MARK IMANA          | Community           | 20725310               | 0704175278 | <i>[Signature]</i> |
| 21. | PATRICK EKUNOIT     | Community           | 37487442               | 0110031944 | <i>[Signature]</i> |
| 22. | JULIUS NABEI KOZOB  | Community           | 12434835               | 0759056485 | <i>[Signature]</i> |
| 23. | SIMALE ELIM GODFREY | Community           | 33674581               | 0702987721 | <i>[Signature]</i> |
| 24. | PETER BEN TUKO      | CLERK               | 10987865               | 0706148547 | <i>[Signature]</i> |
| 25. | EDMUND LOKUTUNJO    | Community           | 30374829               | 0707067699 | <i>[Signature]</i> |
| 26. | DANIEL LOMORUKA     | Community           | 20383617               | 0706908154 | <i>[Signature]</i> |
| 27. | MICHAEL LOMORUKA    | Community           | 12908767               | 0708124344 | <i>[Signature]</i> |
| 28. | NAOMI LONGUA        | Environment Officer | 22287833               | 0725022808 | <i>[Signature]</i> |
| 29. | Ernst Philip        | Research Asst.      | 31984879               | 0791962997 | <i>[Signature]</i> |
| 30. | DENNIS EKUNOM       | Research Assistant  | 37426513               | 0740298575 | <i>[Signature]</i> |
| 31. | EDWINE LOMEKUYA     | Research Assistant  | 34050626               | 0742171499 | <i>[Signature]</i> |
| 32. | DUNCAN MAKADA       | Research Asst.      | 32207669               | 0701124824 | <i>[Signature]</i> |
| 33. | APOLLO BENSON       | Community           | 0711579180<br>23357714 | 0711579180 | <i>[Signature]</i> |

|     |                      |                |          |            |                    |
|-----|----------------------|----------------|----------|------------|--------------------|
| 34. | LOKALA NAOMI LOKITOR | Research Asst. | 36561828 | 0795790504 | <i>[Signature]</i> |
| 35. | JOSEPH ESORE         | Research Asst. | 34311906 | 0702683378 | <i>[Signature]</i> |
| 36. | LAWRENCE EKAAL       | WARD ADMIN     |          | 0711845528 | <i>[Signature]</i> |
| 37. | PAUL EMANMAN         | Community      | 40434653 | 0793587373 | <i>[Signature]</i> |
| 38. | EROST PAUL           | Community      | 34619295 | 0742214921 | <i>[Signature]</i> |
| 39. | Regina Lokui         | Community      | 12436172 | 0726039827 | <i>[Signature]</i> |
| 40. | LOTUK KUYA           | Community      | 39425758 | 0748104879 | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT

LOBEI/KOTARUK WA

28<sup>th</sup> - 29<sup>th</sup> March 2023



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM

WARD LOBEI/KOTARUK

ACTIVITY: PCORA

| S/NO | Names                   | Designation                                     | ID NO    | PHONE NO   | SIGNATURE   |
|------|-------------------------|---|----------|------------|-------------|
| 1    | SIMON MUYA ECHAKAN      | SNR CHIEF LOBEI                                 | 21327561 | 0724883651 | [Signature] |
| 2    | GODFREY ESEKON          | V-ADMIN   | 26229910 | 0727431805 | [Signature] |
| 3    | TOMMY EKANAE            | V-ADMIN   | 25826434 | 0702173948 | [Signature] |
| 4    | IKALALE LONGORIO        | ELDER   | 20311852 | 0115419693 | [Signature] |
| 5    | EKUTAN LOTIBORUKAI      | COMMUNITY                                       | 32387157 | 0704817682 | [Signature] |
| 6    | REBECCA ABUNYON LOHAKAI | COMMUNITY                                       | 32134444 | 0769649009 | [Signature] |
| 7    | CHARALE AKAL MUKUCHI    | LOHAKAI SUB-COMMITTEE NATURAL RESOURCES OFFICER | 24840046 | 0720822748 | [Signature] |
| 8    | ANGE WAKUCHU NANEZ      | COMMUNITY                                       | 13425196 | 0727402428 | [Signature] |
| 9    | PETER LOPELOR ERENGO    | COMMUNITY                                       | 30856091 | 0727651809 | [Signature] |
| 10   | EMURIA IMONI NICHOLAS   | COMMUNITY                                       | 31935378 | 0798250209 | [Signature] |
| 11   | LORENGE INAK ERIKANGA   | COMMUNITY                                       | 29671065 | 0769276418 | [Signature] |
| 12   | MAUR ESIKON GODEST      | COMMUNITY                                       | 30326946 | 0741146028 | [Signature] |
| 13   | LOCHWIN KODUKE          | COMMUNITY                                       | 30308385 | 0708926183 | [Signature] |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM

ACTIVITY: PCORA PARTICIPANT LIST KANGAROMA WARD.

| S/N | Names                 | Designation          | ID NUMBER | Day 1 | Day 2 |
|-----|-----------------------|----------------------|-----------|-------|-------|
| 1   | EWESET K. WILSON      | YOUTH REPRESENTATIVE | 3682265   | ✓     | ✓     |
| 2   | ALEX ESHIR LONYAIT    | C.B.O                | 36084089  | ✓     | ✓     |
| 3   | LONYAIT AKWIMOM BEN   | PUBLIC BENEFICIARY   | 39176882  | ✓     | ✓     |
| 4   | DENNIS ERUKODI        | PUBLIC BENEFICIARY   | 36072769  | ✓     | ✓     |
| 5   | NIMOS N. EKAMALIS     | CIVIL RIGHT          | 351040270 |       |       |
| 6   | EKITELES N. ESINYEN   | CIVIL RIGHT          | 36617022  |       |       |
| 7   | JUNE AKIRU LOKIPI     | CLERK                | 28151851  | ✓     | ✓     |
| 8   | NICK OTIENO           | WARD CLERK           | 30260764  | ✓     | ✓     |
| 9   | JOSEPH LONYAIT NATINI | VILLAGE ELDER        | 4789572   | ✓     | ✓     |
| 10  | WILLIAM LOBODOT KOKOI | VILLAGE ELDER        |           |       |       |
| 11  | EMAI SHARON LOBATO    | WOMEN REPRESENTATIVE | 38452876  | ✓     | ✓     |
| 12  | CHRISTINA TIJA LORU   | MEMBERS              | 4793531   | ✓     | ✓     |
| 13  | EMORU EKAL AMAROSE    | ELIYE C.B.O          | 25119126  | ✓     | ✓     |
| 14  | LOAC EIBACH EMPOR     | PLWD REP             | 08765486  | ✓     | ✓     |
| 15  | FELIX MAPERIT         | BMU MEMBER           | 27165644  | ✓     | ✓     |
| 16  | PETER EKUNOM          | PASTOR REP           | 23681914  | ✓     | ✓     |
| 17  | PETER EHAMUNGO        | MEMBER               | 11512766  | ✓     | ✓     |
| 18  | FRANCI EMBE           | B.M.U.               | 20758675  | ✓     | ✓     |
| 19  | HELENI LOSIKE ENOI    | MEMBER               | 0611381   | ✓     | ✓     |
| 20  | JACKLINE IBULE LOKOBE | MEMBER               | 30772262  | ✓     | ✓     |

Authorized by: .....



TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

| S/N | Names                | Designation              | ID NUMBER | Day 1 | Day 2 |
|-----|----------------------|--------------------------|-----------|-------|-------|
| 1.  | VIVIAN EKAI EKAI     | Member                   | 36082005  | ✓     | ✓     |
| 2.  | CENTRINE NAKALA      | member                   | 33741789  | ✓     | ✓     |
| 3.  | LOHAP LEVIS LENNOX   | Member                   | 25057751  | ✓     | ✓     |
| 4.  | CONCEPTOR A. KAGENG  | member                   | 23414134  | ✓     | ✓     |
| 5.  | EROT EDUKON          | Member                   | 25021847  | ✓     | ✓     |
| 6.  | TITIA LOKAI ONESMUS  | Climate change committee | 34040000  | ✓     | ✓     |
| 7.  | ECIONTO LOMARE PAUL  | " "                      | 21347865  | ✓     | ✓     |
| 8.  | RHODAN AHESIT CHANBE | HARD ADMIN               | 31822574  | ✓     | ✓     |
| 9.  |                      |                          |           |       |       |
| 10. |                      |                          |           |       |       |
| 11. |                      |                          |           |       |       |
| 12. |                      |                          |           |       |       |
| 13. |                      |                          |           |       |       |
| 14. |                      |                          |           |       |       |
| 15. |                      |                          |           |       |       |
| 16. |                      |                          |           |       |       |
| 17. |                      |                          |           |       |       |
| 18. |                      |                          |           |       |       |
| 19. |                      |                          |           |       |       |
| 20. |                      |                          |           |       |       |

Authorized by: .....

TURKANA COUNTY GOVERNMENT

LOKIRIANA WA



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

WARD

| S/NO: | Names                    | Designation | ID NO    | PHONE NO   | SIGNATURE |
|-------|--------------------------|-------------|----------|------------|-----------|
| 1.    | FRANCIS EDUARD KACHOCH   |             | 13648530 | 0741696669 | FRANCIS   |
| 2.    | LOWOCEL LOMANGE TETUS    | Ass. CHIEF  | 28225849 | 0706342797 | LOWOCEL   |
| 3.    | PHILIP EDUNGE LOMWANI    |             | 32767475 | 0741254132 | PHILIP    |
| 4.    | TIBESIA ERIANNE LOMWANI  |             | 31070346 | 0705665489 | TIBESIA   |
| 5.    | SANYA EKITELA ELONGI     |             | 27437698 | 0740585703 | SANYA     |
| 6.    | AMOKI NABOOL TIOKO       |             | 23670306 | 0758455816 | AMOKI     |
| 7.    | ADUKAN AZHARA            |             | 21381075 | 0768151952 | ADUKAN    |
| 8.    | VICTOR NABAK             |             | 36587431 | 0706620623 | VICTOR    |
| 9.    | JONATHAN KALISA KAPURUKA |             | 21244161 | 0712501640 | JONATHAN  |
| 10.   | ERESME EKITELA LOMWANI   |             | 31619641 | 0797432494 | ERESME    |
| 11.   | PETER LOKUMAJET WILAKKRI |             | 10124489 | 0716537348 | PETER     |
| 12.   | ALEX LOMORUKAI LOM       |             | 37403053 | 0110677505 | ALEX      |
| 13.   | LOKWAWI LOMORUKAI LOM    |             | 31353024 | 0795707202 | LOKWAWI   |

|     |                        |                  |          |            |       |
|-----|------------------------|------------------|----------|------------|-------|
| 14. | JAMES EDAPAL           |                  | 32102844 | 0710804504 |       |
| 15. | LOKODA INKETAN LOKALEI |                  | 9672925  | 0740757452 |       |
| 16. | IKO ERKUDI KOKOI       |                  | 36413676 | 0112937697 |       |
| 17. | LOKUDOM TISO LOKIKI    |                  | 31052229 | 0718297172 |       |
| 18. | Symprase Lenger Lokani |                  | 32051286 | 0727095964 | Stt   |
| 19. | MARK AJON LOKWANI      | ASS CHIEF        | 23695088 | 0707024889 | Mark  |
| 20. | LOTE IRITE IMORI       | CLERICAL OFFICER | 54697240 | 0779613730 | Lot   |
| 21. | SAMUEL EKUR IMAKE      |                  | 20134815 | 0710870415 | Sam   |
| 22. | PETER IRCE             |                  | 22514622 | 0710281142 | Peter |
| 23. | JEMIMMA ALOILOI        | Member           | 35197740 | 0716252940 | Jem   |
| 24. | Rebecca Atir Ewai      | Member           | 11513693 | 0702397132 | Reb   |
| 25. | AKAI LOKIL BETTY       | Member           | 39141346 | 0701521330 | Akai  |
| 26. | KARENGA TIOKO          | Member           | 21334111 | 0714231533 | Kare  |
| 27. | LONUKO WILLIAM         | Member           | 29630054 | 0703971058 | Lon   |
| 28. | ACHUKWA KONBI          | Member           | 4557851  | 0703680770 | Achu  |
| 29. | NATHAN LONGORO AKAI    | CHIEF            | 11513725 | 0714055468 | Nath  |
| 30. | GLADYS EKUNOM          | MEMBER           | 36597233 | 0796133495 | Glad  |
| 31. |                        |                  |          |            |       |
| 32. |                        |                  |          |            |       |
| 33. |                        |                  |          |            |       |

TURKANA COUNTY GOVERNMENT

LOIMA WARD



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

WARD

| S/NO: | Names                       | Designation      | ID NO    | PHONE NO   | SIGNATURE |
|-------|-----------------------------|------------------|----------|------------|-----------|
| 1.    | EKOMWA JAMES                | RELIGIOUS LEADER | 21316462 | 0729209143 | James     |
| 2.    | JOHN ESEKON                 | Member           | 23347794 | 0703894271 | John      |
| 3.    | MARIA AKIPETOT LOTIYAN      | MEMBER           | 20310269 | 0713795135 | Maria     |
| 4.    | MATHEW K. LEMUYA            | MEMBER           | 10986538 | 0111944157 | Mathew    |
| 5.    | KEN MUNYES LOBUR            | MEMBER           | 34037371 | 0722604523 | Ken       |
| 6.    | PASCALINE LOSKEEMUDH        | Member           | 35943445 | 0742630302 | Pascaline |
| 7.    | LONGOL EWOL ILUKOL          | Member           | 20364111 | 0719660106 | Longol    |
| 8.    | JAMES ITAO                  | MEMBER           | 5731508  | 0720214288 | James     |
| 9.    | EKAIDELI BEN                | MEMBER           | 20275991 | 0745354246 | Ekaide    |
| 10.   | PAUL FOIBE LOMUDH           | MEMBER           | 29399791 | 0717732671 | Paul      |
| 11.   | LOMORUKIA EDUNKURE LOMAMUYA | MEMBER           | 20278730 | 0723746725 | Lomoru    |
| 12.   | ANTALU LOKWANG LOKOTIO      | MEMBER           | 26672404 | 0701637209 | Antalu    |
| 13.   | LOMEKWII ATAMN AUMO         | MEMBER           | 12908357 | 0799915966 | Lomekwii  |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM

ACTIVITY:

| S/N | Names                | Designation              | ID NUMBER | Day 1 | Day 2 |
|-----|----------------------|--------------------------|-----------|-------|-------|
| 1.  | VIVIAN ERAT ERAT     | member                   | 36083005  | ✓     | ✓     |
| 2.  | CERTINE NAKALA       | member                   | 33741789  | ✓     | ✓     |
| 3.  | LOCHAP LEVIS LENNOX  | Member                   | 25057751  | ✓     | ✓     |
| 4.  | CONCEPTOR A. KAGENG  | member                   | 23414134  | ✓     | ✓     |
| 5.  | EROT EDUKON          | Member                   | 25021847  | ✓     | ✓     |
| 6.  | TITIA LOKAI ONESMU'S | climate change committee | 34040000  | ✓     | ✓     |
| 7.  | EGIONTO LOMAT PAUL   | " " "                    | 21347865  | ✓     | ✓     |
| 8.  | RHODAN AHESIT CHANGA | HARD ADMIN               | 31823574  | ✓     | ✓     |
| 9.  |                      |                          |           |       |       |
| 10. |                      |                          |           |       |       |
| 11. |                      |                          |           |       |       |
| 12. |                      |                          |           |       |       |
| 13. |                      |                          |           |       |       |
| 14. |                      |                          |           |       |       |
| 15. |                      |                          |           |       |       |
| 16. |                      |                          |           |       |       |
| 17. |                      |                          |           |       |       |
| 18. |                      |                          |           |       |       |
| 19. |                      |                          |           |       |       |
| 20. |                      |                          |           |       |       |

Authorized by: \_\_\_\_\_

|     |                     |            |                      |            |   |
|-----|---------------------|------------|----------------------|------------|---|
| 14. | ALICE APOWA         | ALCHIEF    | 21491551             | 0712151973 | ✓ |
| 15. | KENA ELIMU KAPONUNI | Member     | 5643396              | 0768380750 | ✓ |
| 16. | ANN ARDON           | member     | 26382688             | 0725042153 | ✓ |
| 17. | DAUDI ETIEN         | ECC        | 29028385             | 0745411196 | ✓ |
| 18. | KUYA EWDI ECHAKAN   | C. member  | 5888279              | 0797946049 | ✓ |
| 19. | JESCA KASURU        | C. Member  | 39158146             | 0798251768 | ✓ |
| 20. | Anderson Ntanga     | C. Member  | 40435721             | 0718265851 | ✓ |
| 21. | Lokken Lomua        | C member   | 41618381             | 0115237999 | ✓ |
| 22. | Kangiloi akalale    | CM         | 7477149              | 0793692748 | ✓ |
| 23. | Skaskout losapirei  | C. M       | 32418919<br>12911203 | 0700384203 | ✓ |
| 24. | Paulina Akiu        | Kibura rep | 12911203             | 0700389203 | ✓ |
| 25. | Killian giora       | Youth rep. | 29673495             | 0712354584 | ✓ |
| 26. | LEVI Eskuku Lotang  | youth      | 37929105             | 0741159993 | ✓ |
| 27. | GLADYS LOTUKOI      | Member     | 35986557             | 0745784192 | ✓ |
| 28. |                     |            |                      |            |   |
| 29. |                     |            |                      |            |   |
| 30. |                     |            |                      |            |   |
| 31. |                     |            |                      |            |   |
| 32. |                     |            |                      |            |   |
| 33. |                     |            |                      |            |   |



TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM

ACTIVITY: PCVRA PARTICIPANT LIST KANGAROMA WARD.

| S/N | Names                 | Designation          | ID NUMBER | Day 1 | Day 2 |
|-----|-----------------------|----------------------|-----------|-------|-------|
| 1.  | EMEST K. WILSON       | YOUTH REPRESENTATIVE | 3402945   | ✓     | ✓     |
| 2.  | ALEX EIR LONYAT       | C.B.O                | 36084089  | ✓     | ✓     |
| 3.  | LONYAT AKWINDOM BEN   | PUBLIC BENEFICIARY   | 37176882  | ✓     | ✓     |
| 4.  | DENNIS ERUKU          | PUBLIC BENEFICIARY   | 3608769   | ✓     | ✓     |
| 5.  | NGIMDE N. EKAMALS     | CIVIL RIGHT          | 31040270  |       |       |
| 6.  | EKITELES N. ESANYEN   | CIVIL RIGHT          | 36517023  |       |       |
| 7.  | JUNE AKIRU LOKIPI     | CLERK                | 28151851  | ✓     | ✓     |
| 8.  | NICK OTIENO           | WARD CLERK           | 30260784  | ✓     | ✓     |
| 9.  | JOSEPH LONYAT NATINI  | VILLAGE ELDER        | 4789572   | ✓     | ✓     |
| 10. | WILLIAM LODDOT KOKEI  | VILLAGE ELDER        |           |       |       |
| 11. | EWAI SHARON LOBATO    | WOMEN REPRESENTATIVE | 38452876  | ✓     | ✓     |
| 12. | CHRISTINA TITA LORU   | MEMBERS              | 4793631   | ✓     | ✓     |
| 13. | EMORU EKAL AMBROSE    | ELDER C.B.O.         | 25119126  | ✓     | ✓     |
| 14. | ISAAC EIRACH EKPOR    | PLWD REP             | 28765486  | ✓     | ✓     |
| 15. | FELIX HADERIT         | BWU MEMBER           | 27165644  | ✓     | ✓     |
| 16. | PETER EKUNDOM         | PASTOR REP.          | 23681914  | ✓     | ✓     |
| 17. | PETER EKAMUNGO        | Member               | 11512766  | ✓     | ✓     |
| 18. | FRANCIS EIRABO        | BMU                  | 20758675  | ✓     | ✓     |
| 19. | MCLEM LOSIKE ENOI     | MEMBER               | 0611381   | ✓     | ✓     |
| 20. | JACKLINE IBUTE LOKIPI | MEMBER               | 30772262  | ✓     | ✓     |

Authorized by: .....

TURKANA COUNTY GOVERNMENT

LOBEI/KOTARUK WARD

28<sup>th</sup> - 29<sup>th</sup> MARCH 2023



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM

ACTIVITY: PCVRA

WARD LOBEI/KOTARUK

| S/NO | Names                   | Designation                                 | ID NO    | PHONE NO   | SIGNATURE       |
|------|-------------------------|---|----------|------------|-----------------|
| 1.   | SIMON MUYA ECHAKAN      | SNR CHIEF LOBEI                             | 21327561 | 0724883651 | Simon Muya      |
| 2.   | GODFREY ESEKON          | V-ADMIN                                     | 26229910 | 0727431805 | Godfrey Esekoni |
| 3.   | TOMMY EIRABO            | V-ADMIN                                     | 25826434 | 0902173945 | Tommy Eirabo    |
| 4.   | IKALALE LONGORIO        | ELDER                                       | 20311852 | 0115419693 | IKALALE         |
| 5.   | EKUTAN LONMORUKAI       | COMMUNITY                                   | 32387157 | 0704817682 | EKUTAN          |
| 6.   | REBECCA ASANYEN LOINABE | COMMUNITY                                   | 32139444 | 0769649009 | REBECCA         |
| 7.   | CHAMALE AKAL MILICEN    | LOINABE SUB-COUNTY NATURAL RESOURCE OFFICER | 24840046 | 0720822748 | CHAMALE         |
| 8.   | ANNE WAKUCHU NANE       | COMMUNITY                                   | 13425196 | 0727402423 | ANNE            |
| 9.   | PETER LOPEYOK ERENYO    | COMMUNITY                                   | 20856091 | 0727651809 | PETER           |
| 10.  | EMURIA IMONI NACHAS     | COMMUNITY                                   | 31935378 | 0798250209 | EMURIA          |
| 11.  | LOREGAE INEK EIRANGAN   | COMMUNITY                                   | 29671065 | 0769276418 | LOREGAE         |
| 12.  | KARU ESIKON GORREY      | COMMUNITY                                   | 35326946 | 0741146028 | KARU            |
| 13.  | LOCHWIN LOKIPI          | COMMUNITY                                   | 32308685 | 0708926183 | LOCHWIN         |

|    |                    |                     |          |            |                                  |
|----|--------------------|---------------------|----------|------------|----------------------------------|
| 19 | JULIUS E. EDOMG    | Community           | 10987467 | 0791489566 | <del>Handwritten signature</del> |
| 19 | SAMUEL EKWAM EKW   | Community           | 4764346  | 0705682317 | <del>Handwritten signature</del> |
| 19 | LEKADOKU YANAE     | Community           | 25646091 | 0704115175 | <del>Handwritten signature</del> |
| 17 | FRUKWAN SEKON      | Community           | 24107729 | 0798308747 | <del>Handwritten signature</del> |
| 18 | LALAKAN LOKUWU     | Community           | 24105894 | 0711293989 | <del>Handwritten signature</del> |
| 20 | PATRICK ETANIAN    | Community           | 20856644 | 070609098  | <del>Handwritten signature</del> |
| 20 | MARK Imah          | Community           | 20725310 | 0704195278 | <del>Handwritten signature</del> |
| 21 | PATRICK EKUNOT     | Community           | 37437442 | 0110031944 | <del>Handwritten signature</del> |
| 22 | JULIUS NABEI KOOBO | Community           | 12434835 | 0759056485 | <del>Handwritten signature</del> |
| 23 | SIMALE LIM GEORGE  | Community           | 83674881 | 0702987721 | <del>Handwritten signature</del> |
| 24 | AFER BEN TULO      | CELE                | 10987865 | 0706148547 | <del>Handwritten signature</del> |
| 25 | EDMUND LOKUTANO    | Community           | 30374829 | 0707067699 | <del>Handwritten signature</del> |
| 26 | DANIEL LOMORUKA    | Community           | 20383617 | 0706908154 | <del>Handwritten signature</del> |
| 27 | NICHAEZ LOMORUKA   | Community           | 12908767 | 0708124344 | <del>Handwritten signature</del> |
| 28 | MAOMI LOMORUKA     | Environment Officer | 23237333 | 0725022303 | <del>Handwritten signature</del> |
| 29 | Ernst Philip       | Research Ass.       | 31984879 | 0791968997 | <del>Handwritten signature</del> |
| 30 | DENNIS EKUNOM      | Research Assistant  | 3742613  | 0740298575 | <del>Handwritten signature</del> |
| 31 | EDWINE LONKOKYA    | Research Assistant  | 37050626 | 0742171499 | <del>Handwritten signature</del> |
| 32 | DUNCAN MAKATA      | Research Ass.       | 32207669 | 0701124824 | <del>Handwritten signature</del> |
| 33 | APOLLO BENSON      | Community           | 23357714 | 0711579180 | <del>Handwritten signature</del> |

|    |                     |                |          |            |                                  |
|----|---------------------|----------------|----------|------------|----------------------------------|
| 34 | LORAMA NADIM LAMTOR | Research Asst. | 36561828 | 0795790504 | <del>Handwritten signature</del> |
| 35 | JOSEPH MORE         | Research Asst. | 34365906 | 0709683878 | <del>Handwritten signature</del> |
| 36 | LAWRENCE EKAAL      | WARD ADMIN     |          | 0711845528 | <del>Handwritten signature</del> |
| 37 | PAUL EMANMAN        | Community      | 40434653 | 0793587373 | <del>Handwritten signature</del> |
| 38 | EROT PAUL           | Community      | 34619295 | 0742214921 | <del>Handwritten signature</del> |
| 39 | RODING LOKU         | Community      | 12436172 | 0720039827 | <del>Handwritten signature</del> |
| 40 | LOKUK RUYA          | Community      | 39425758 | 0748104879 | <del>Handwritten signature</del> |

Αντιστοιχεί πάλι:

PARTICIPANT FORM

MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE



CS CamScanner

KAPEDOL / LAPOTTON KAS



**PARTICIPANT FORM  
ACTIVITY:**

Approved by:

CS CamScanner



TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

KATILIA

| S/NO: | Names               | Designation   | ID NUMBER | Day 1                               | Day 2                               |
|-------|---------------------|---------------|-----------|-------------------------------------|-------------------------------------|
| 1.    | KITONGA WOHAKU      | farmer        | 21483991  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2.    | SUSAN AKENO         | Business Rep  | 12439887  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.    | CHIRAH WELATE       | EMERGENCY REP | 39582016  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4.    | AMN ETILARI         | YOUTH         | 39570218  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5.    | LOTIS NICHOLING     | Business      | 207113389 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6.    | JAMES SWALAN        | Elder         | 4765581   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7.    | NGILIMO ANDI JOSEPH | Youth         | 29323003  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8.    | KAMERI RODAH        | WOMEN REP     | 23982973  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9.    | KATILA ALETA        | Youth         | 28912678  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10.   | EREGAE WUKUT        | CSD           | 28121361  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11.   | AYANAE WUKUT        | farmer        | 34631230  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12.   | JAMAI SAKWA ELENG   | FGO           | 35762252  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13.   |                     |               |           |                                     |                                     |
| 14.   |                     |               |           |                                     |                                     |
| 15.   |                     |               |           |                                     |                                     |
| 16.   |                     |               |           |                                     |                                     |
| 17.   |                     |               |           |                                     |                                     |
| 18.   |                     |               |           |                                     |                                     |

Authorized by: \_\_\_\_\_

Approved by: \_\_\_\_\_

CamScanner

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

KAPEDO/XAPEITON KARD

| S/NO: | Names             | Designation    | ID NUMBER   | Day 1                               | Day 2                               |
|-------|-------------------|----------------|-------------|-------------------------------------|-------------------------------------|
| 1.    | LOMETON ENJOI     | KARD ADMIN     | 12407007    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2.    | JOHN LONGARI      | CEO            | 20570027850 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.    | INDOK KAI JIN     | VILLAGE ADMIN  | 21543400    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4.    | WILLIAM KAWYU     | MEMBER         | 4769132     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5.    | JANE EDETE        | MEMBER         | 23876478    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6.    | LOOTE VICTOR      | MEMBER         | 24690521    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7.    | KORIBE E. ESEKUN  | MEMBER         | 13647326    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8.    | CARON H. BILAW    | MEMBER         | 2810623     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9.    | SARWA L. JACKSON  | MEMBER         | 12936779    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10.   | DORUS L. LOOTE    | MEMBER SCRIP   | 27539287    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11.   | EMUEL EMELO       | MEMBER LRO     | 27713358    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12.   | SAMUEL LOKIDOR    | DISABLED       | 4766772     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13.   | JOSHUA ABUKOI     | DISABLED       | 9526581     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14.   | INDOK EVADAN      | KRAAL LEADER   | 20459471    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15.   | LORENCH BENEALUUS | YOUTH          | 285318      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 16.   | EMURIA KINJE LOTI | MEMBER         | 21467691    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17.   | EWALAN LIKWEI     | OPINION LEADER | 4798698     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18.   | PETER ARUOTO      | MEMBER         | 9526067     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Authorized by: \_\_\_\_\_

Approved by: \_\_\_\_\_

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TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

LOKORI/KOCOTADIN WARD

| S/NO: | Names            | Designation | ID NUMBER | Day 1 | Day 2 |
|-------|------------------|-------------|-----------|-------|-------|
| 1.    | LOTABO CHARLES   | W/ADMIN     | 10445553  |       |       |
| 2.    | JOHN OLOLO       | LEADER      | 22501051  |       |       |
| 3.    | KARANI FRANKLINE | YOUTH       | 30201280  |       |       |
| 4.    | JOSEPH NAIKATA   | PWD         | 12908137  |       |       |
| 5.    | ACHUKA N. JOSEPH | ELDER       | 10987356  |       |       |
| 6.    | LOKISON NAANA    | VIAADMIN    | 14445783  |       |       |
| 7.    | DAVID KIRINY     | PASTOR      | 9136208   |       |       |
| 8.    | LEWIS KIRINY     | PASTOR      | 14707496  |       |       |
| 9.    | PETER ANOK       | ELDER       | 24032255  |       |       |
| 10.   | LOIC ANOKONG     | FARMER      | 9526187   |       |       |
| 11.   | JOSEPHAN ENKANI  | PASTOR      | 3669777   |       |       |
| 12.   | JOSEPHAN LOBIT   | YOUTH       | 24936319  |       |       |
| 13.   | PAUL ARME JAMES  | YOUTH       | 5021133   |       |       |
| 14.   | SAMUEL NAIMONIA  | YOUTH       | 12530008  |       |       |
| 15.   | NICHOLAS A. LOBO | CHIEF       | 9525618   |       |       |
| 16.   | EMUTUR NURIONON  | ELDER       | 21201866  |       |       |
| 17.   | LOKARAN TALAMOG  | ELDER       | 23970054  |       |       |
| 18.   | EWEST LOKIDOR    | YOUTH       | 29833919  |       |       |

Authorized by: \_\_\_\_\_

Approved by: \_\_\_\_\_

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

PARTICIPANT FORM  
ACTIVITY:

LOKORI/KOCOTADIN WARD

| S/NO: | Names                 | Designation           | ID NUMBER | Day 1 | Day 2 |
|-------|-----------------------|-----------------------|-----------|-------|-------|
| 1.    | EKIRU ALONAS PAUL     | CHIEF                 | 29032997  |       |       |
| 2.    | JOSEPH KIRIKI EKALAI  | YOUTH                 | 57919260  |       |       |
| 3.    | KIRIKI KIRIKI EKALAI  | YOUTH                 | 21034914  |       |       |
| 4.    | ROBERT MACH           | PLUMBER               | 21327057  |       |       |
| 5.    | STANLEY EKALAI        | YOUTH LEADER          | 30532217  |       |       |
| 6.    | IMMACULATE NIGAL      | REP (CONSUMER) OFFICE | 22570764  |       |       |
| 7.    | FRANCIS EKIRU SAMUEL  | SCAO                  | 21019552  |       |       |
| 8.    | MARY M. EKALAI        | WOMEN REF             | 23357007  |       |       |
| 9.    | EVANS KIRIKI          | ACC                   | 29667066  |       |       |
| 10.   | ABDI OSMAN TAYEB      | ACC                   | 30636925  |       |       |
| 11.   | FRANCIS KIRIKI EKALAI | PBO                   | 32264929  |       |       |
| 12.   | JAMES AKERIGET        | N/A                   | 32965272  |       |       |
| 13.   |                       |                       |           |       |       |
| 14.   |                       |                       |           |       |       |
| 15.   |                       |                       |           |       |       |
| 16.   |                       |                       |           |       |       |
| 17.   |                       |                       |           |       |       |
| 18.   |                       |                       |           |       |       |

Authorized by: \_\_\_\_\_

Approved by: \_\_\_\_\_

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T. NORTH  
Ward KALONJI/KAIKOR  
Date 18/5/2023

| S/No | Name               | ID       | Mobile No.  | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|--------------------|----------|-------------|--------|--------|---|----|----------|----------|--------------------|
|      |                    |          |             | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 1.   | FERGIO N. MAK      | 10956789 | 07145066742 | M      |        | A                                       | ✓  |          | ✓        | <i>[Signature]</i> |
| 2.   | EMOTON ERUS        | 9245041  | 0790661684  | M      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 3.   | AKAI EYANAE EMOT   | 8560098  | 0711439536  |        | F      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 4.   | ANAH MURTAN MALSA  | 9245075  | 011572913   |        | F      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 5.   | ANAMONABU NAOTIN   | 8564492  | 0714284029  |        | F      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 6.   | ADAPAL LOWOTON     | 22736724 | 0705904567  |        | F      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 7.   | LOREE ELIM LOKANAR | 9245086  | 0705635587  |        | F      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 8.   | WAKAPON MID        | 0669009  | 0707980532  | M      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T. NORTH  
Ward KALONJI/KAIKOR  
Date 18/5/2023

| S/No | Name                  | ID       | Mobile No.  | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|-----------------------|----------|-------------|--------|--------|---|----|----------|----------|--------------------|
|      |                       |          |             | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 9.   | Regina Ebei           | 20296164 | 0705153200  |        | F      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 10.  | Ademina Aberet Mio    |          | 0115069555  |        |        |   |    |          |          | <i>[Signature]</i> |
| 11.  | Josphat C EIPA        | 26230145 | 0700389185  | M      |        |   | NO |          | ✓        | <i>[Signature]</i> |
| 12.  | KELVIN EKIDOR ESEKON  | 33668283 | 091356943   | M      |        |   |    | ✓        |          | <i>[Signature]</i> |
| 13.  | REBECCA ERUPU LEMOLO  | 20228988 | 07918975099 |        | F      |   |    | ✓        |          | <i>[Signature]</i> |
| 14.  | LOJEM EPERI FRANKIS   | 29238661 | 0704139258  | M      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 15.  | DUNCAN EBEI ELONY     | 27557056 | 0711283956  | M      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 16.  | TOBIAS NANSIRO MOJOBI | 27369426 | 0710496331  | M      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |



TURKANA COUNTY GOVERNMENT

MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T. NORTH  
Ward KALANGI/KAIKOR  
Date 15/5/2023

| S/No | Name                 | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature |
|------|----------------------|----------|------------|--------|--------|---|----|----------|----------|-----------|
|      |                      |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |           |
| 17   | DEBORAH LAPUR LORWIN | 35151591 | 074661451  | M      |        |   | ✓  | ✓        |          |           |
| 18   | AKALKE ERUKUDI       | 25667594 | 070633291  |        | F      |   | ✓  | ✓        |          |           |
| 19   | MELVIN LONGDE        | 32448210 | 079202048  |        | F      |   | ✓  | ✓        |          |           |
| 20   | MID ALBERT           | 14448449 | 0701148083 | M      |        | ✓                                       |    |          | ✓        |           |
| 21   | ELIAB ELIAB          | 23894370 | 0701455614 | M      |        |   | ✓  |          | ✓        |           |
| 22   | BOCH NACHUCH         | 28048797 | 0741620155 | M      |        |   | ✓  |          | ✓        |           |
| 23   | JAMES EROT           | 21158683 | 070675647  | M      |        |   | ✓  | ✓        |          |           |
| 24   | JOHN ERET            | 20353482 | 0707850630 | M      |        |   | ✓  |          | ✓        |           |

TURKANA COUNTY GOVERNMENT

MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County TURKANA NORTH  
Ward KALANGI/KAIKOR  
Date 18/05/2023

| S/No | Name                  | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature |
|------|-----------------------|----------|------------|--------|--------|---|----|----------|----------|-----------|
|      |                       |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |           |
| 25   | GRACE LETOM           | 21771784 | 0703227945 |        | ✓      |   | ✓  |          | ✓        |           |
| 26   | NORIO BENJAMIN NAKATO | 35552744 | 0704650334 | ✓      |        |   | ✓  | ✓        |          |           |
| 27   | LEKOTO ETULOMO BENARD | 31191392 | 0701878731 | ✓      |        |   | ✓  | ✓        |          |           |
| 28   | EXAT DAVID            | 34650547 | 0707182155 | ✓      |        |   | ✓  | ✓        |          |           |
| 29   | PESHT EUNICE          | 34518162 | 0792251492 |        | ✓      |   | ✓  | ✓        |          |           |
| 30   | DIJONAN NAKADA        | 32207669 | 0701124824 | ✓      |        |   | ✓  | ✓        |          |           |
| 31   | SAVIL G. LOMU         | 29648832 | 0705520000 | ✓      |        |   |    | ✓        |          |           |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County TURKANA NORTH  
Ward LADUR  
Date 19/05/2023

| S/No | Name                | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature |
|------|---------------------|----------|------------|--------|--------|---|----|----------|----------|-----------|
|      |                     |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |           |
| 1    | CHARLES EKAMAI EROT | 35946617 | 076858388  | ✓      |        |   | ✓  | ✓        |          |           |
| 2    | EMMANUEL A. LOJAO   | 07121316 | 0702822878 | ✓      |        |   | ✓  | ✓        |          |           |
| 3    | JAMES LORLIA LIJEM  | 13025322 | 0716449821 | ✓      |        |   | ✓  |          | ✓        |           |
| 4    | PATRICK KIRKALE     | 21337091 | 072993607  | ✓      |        |   | ✓  |          | ✓        |           |
| 5    | JAMES EKAPU NARET   | 35707221 | 0941081291 | ✓      |        |   | ✓  | ✓        |          |           |
| 6    | PAUL EKURU NAWORO   | 02857623 | 0758530924 | ✓      |        |   | ✓  | ✓        |          |           |
| 7    | ISAIAH NABYE ENGOMO | 00238751 | 0705388172 | ✓      |        | ✓                                       | ✓  |          | ✓        |           |
| 8    | EKODI TIOKO GODFREY | 81967154 | 0704668491 | ✓      |        |   | ✓  | ✓        |          |           |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T. NORTH  
Ward LADUR  
Date 19/05/2023

| S/No | Name                    | ID       | Mobile No.              | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature |
|------|-------------------------|----------|-------------------------|--------|--------|---|----|----------|----------|-----------|
|      |                         |          |                         | Male   | Female | Yes                                     | No | Below 35 | Above 35 |           |
| 9    | CHRISTOPHER ERODI EKA   | 36568966 | 0791819370              | ✓      |        |   | ✓  | ✓        |          |           |
| 10   | EVERLYNE AKATOPIL LORIN | 39096035 | 0795906325              |        | ✓      |   | ✓  | ✓        |          |           |
| 11   | LOKER EBONGEN NOTOO     | 8561415  | 0728567970              | ✓      |        |   | ✓  |          | ✓        |           |
| 12   | EDAPAL LOKORIESE        | 13647933 | 0759235104<br>075123504 | ✓      |        |   |    |          | ✓        |           |
| 13   | EKODI DANSON EKITELA    | 34425971 | 0704685621              | ✓      |        |   | ✓  | ✓        |          |           |
| 14   | JAMES KENLENE MORO      | 12608324 | 0712878892              | ✓      |        |   | ✓  |          | ✓        |           |
| 15   | CHUMPA MUHAMAD SOLU     | 2862512  | 0714399205              | ✓      |        |   | ✓  |          | ✓        |           |
| 16   | MARYASIBIRIA NERVO      | 36902839 | 0790234975              |        | ✓      |   | ✓  | ✓        |          |           |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T. NORTH  
Ward LAPUA  
Date 19/05/2023

| S/No | Name               | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|--------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                    |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 17   | AKHLEN NANGORRENGO | 21342136 | 0113543117 |        | ✓      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 18   | CHRISTINE AKAI     | 10123679 | 0705437156 |        | ✓      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 19   | ARNA ARMON         | 0149750  | 0708590039 |        | ✓      |   | ✓  |          |          | <i>[Signature]</i> |
| 20   | MARGARET LOKOL     | 10986276 | 0705065501 |        | ✓      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 21   | EKUTAN ERASUS      | 23895278 | 0726800027 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 22   | JENIFFER A. MARAKA | 26537196 | 0720245794 |        | ✓      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 23   | MARIK ERUPE        | 26830280 | 0719865744 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 24   | David Opeti        | 2964582  | 0710355224 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T. NORTH  
Ward LAPUA  
Date 19/05/2023

| S/No | Name                    | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|-------------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                         |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 25   | GRACE LOTOM             | 21777784 | 0703227945 |        | ✓      |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 26   | Nburo BGIJANIN NAWITO   | 26852749 | 0704650336 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 27   | LOKOTO ETULONO BGIJANIN | 31191392 | 0701878931 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 28   | ELAI DAVID              | 34050547 | 0707182155 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 29   | PESH EUNICE             | 34518162 | 0792251492 |        | ✓      |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 30   | DUNCAN MAKADA           | 32207669 | 0701124834 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 31   | David E. bomunji        | 2964582  | 0710355224 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |



TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County TI NORTH  
Ward KARIS  
Date 20/05/2023

| S/No | Name                | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature |
|------|---------------------|----------|------------|--------|--------|---|----|----------|----------|-----------|
|      |                     |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |           |
| 1    | ERENG NAPIAN HOSEA  | 26255451 | 0724485356 | M      |        |   | ✓  |          | ✓        | <i>SP</i> |
| 2    | David Lemaya Animat | 20527417 | 0706503161 | ✓      |        |   | ✓  |          | ✓        | <i>DM</i> |
| 3    | JEREMAH ESEKON      | 4800651  | 0790575141 | ✓      |        |   | ✓  |          | ✓        | <i>SM</i> |
| 4    | ICHUWOL LAMWAMOR    | 12455650 | 0704660653 | ✓      |        |   | ✓  |          | ✓        | <i>RM</i> |
| 5    | ALEX KINSELE        | 25348697 | 0115772029 | ✓      |        |   | ✓  |          | ✓        | <i>MA</i> |
| 6    | PETER LOESIRE       | 10124036 | 0716930547 | ✓      |        |   | ✓  |          | ✓        | <i>WM</i> |
| 7    | PAUL ERGENE         | 13425749 | 0740491293 | ✓      |        |   | ✓  |          | ✓        | <i>PM</i> |
| 8    | SELINA ERAT         | 9828407  | 0795547960 |        | ✓      |   | ✓  |          | ✓        | <i>SM</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County TI NORTH  
Ward KARIS  
Date 20/05/2023

| S/No | Name           | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature |
|------|----------------|----------|------------|--------|--------|---|----|----------|----------|-----------|
|      |                |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |           |
| 9    | TERESA LORUKIA | 20948096 | 070149786  |        | ✓      |   | ✓  | ✓        |          | <i>RM</i> |
| 10   | NAYELEL EWOL   | 20527553 | 0720583276 |        | ✓      |   | ✓  |          | ✓        | <i>DM</i> |
| 11   | LOBKOND LOWIPI | 28365964 | 0701687031 |        | ✓      |   | ✓  |          | ✓        | <i>LM</i> |
| 12   | PAULINA AWESIT | 92921054 | 070592883  |        | ✓      |   | ✓  | ✓        |          | <i>PM</i> |
| 13   | LOWAN EWURU    | 32833160 | 0705546971 |        | ✓      |   | ✓  |          | ✓        | <i>LM</i> |
| 14   | AKAI EDAPAL    | 22057450 | 077776269  |        | ✓      |   | ✓  | ✓        |          | <i>SM</i> |
| 15   | LOWAN EXADEL   | 25267522 | 0796287129 |        | ✓      |   | ✓  |          | ✓        | <i>LM</i> |
| 16   | KELHEB NGIKROD | 23564105 | 0706762827 | ✓      |        |   | ✓  | ✓        |          | <i>LM</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T. NORTH  
Ward KARIS  
Date 22/05/2023

| S/No | Name                   | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature     |
|------|------------------------|----------|------------|--------|--------|---|----|----------|----------|---------------|
|      |                        |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |               |
| 17   | AUDI POTE PELEKAT      | 28244634 | 0796786229 |        | ✓      |   | ✓  |          | ✓        | <i>Ang</i>    |
| 18   | ALEKE LOKUDIO LOKUDIO  | 33033726 | 0745312193 |        | ✓      |   | ✓  |          | ✓        | <i>Loch</i>   |
| 19   | ABEN TO NAWETHI KUWIKU | 28358308 | 0717442943 |        | ✓      |   | ✓  | ✓        |          | <i>Aben</i>   |
| 20   | MOSES ESEKON KALGH     | 37426619 | 0757364187 | ✓      |        |   | ✓  | ✓        |          | <i>Moses</i>  |
| 21   | MOSES EUDI TIDKO       | 32893370 | 0743384239 | ✓      |        |   | ✓  | ✓        |          | <i>Moses</i>  |
| 22   | ISAAC MALI NAWIKU      | 4773132  | 0725616299 | ✓      |        |   | ✓  |          | ✓        | <i>Isaac</i>  |
| 23   | EUNICE EKULAN EKIPOT   | 27540771 | 0707511480 |        | ✓      |   | ✓  |          | ✓        | <i>Eunice</i> |
| 24   | GRACE LOTOM            | 21777784 | 0703227945 |        | ✓      |   | ✓  |          | ✓        | <i>Grace</i>  |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

County TURKANA  
Sub County T. NORTH  
Ward KARIS  
Date 22/05/2023

| S/No | Name                  | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature     |
|------|-----------------------|----------|------------|--------|--------|---|----|----------|----------|---------------|
|      |                       |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |               |
| 25   | WILKO BENJAMIN NAWIKU | 36852749 | 0704460336 | ✓      |        |   | ✓  | ✓        |          | <i>Wilko</i>  |
| 26   | LEOTO ETULUO BENARD   | 31191392 | 0701878931 | ✓      |        |   | ✓  | ✓        |          | <i>Leoto</i>  |
| 27   | ERAT DAVID            | 34050547 | 0707181155 | ✓      |        |   | ✓  | ✓        |          | <i>Erat</i>   |
| 28   | PERITI EUNICE         | 34518162 | 0792351492 |        | ✓      |   | ✓  | ✓        |          | <i>Periti</i> |
| 29   | DUNCAN MAKADA         | 32207669 | 0701124834 | ✓      |        |   | ✓  | ✓        |          | <i>Duncan</i> |
| 30   | DAVID B. LOM KIM'OT   | 27645832 | 0705522224 | ✓      |        |   | ✓  | ✓        |          | <i>David</i>  |



## Annex 2: Invitation Letter to Partners for PCRA Validation Workshop

|   |  |   |
|---|--|---|
|  | <b>REPUBLIC OF KENYA</b><br><b>COUNTY GOVERNMENT OF TURKANA</b><br><b>OFFICE OF THE COUNTY EXECUTIVE COMMITTEE MEMBER</b><br><b>MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE</b> |  |
| Telegraphic address: "COUNTY EXECUTIVE"   | MINISTRY HEADQUARTERS,   |   |
| Telephone: +254 712535385   | FORMER OXFAM GB COMPOUND,  |   |
| Fax:.....   | P.O.BOX 11-30500,  |   |
| Email:irisamario@gmail.com  | LODWAR.  |   |

---

Ref No: MTCNR&CC/CC/SM/1/17 VOL.1 (3) 24<sup>th</sup> May, 2023

TO:

.....

Dear Sir/Madam,

**RE: INVITATION TO PARTICIPATORY CLIMATE VULNERABILITY RISK ASSESSMENT (PCVRA) VALIDATION WORKSHOP AT STEGRA**

The above subject refers.

The directorate of Climate Change has finalized data collection for Participatory Climate Vulnerability Risk Assessment (PCVRA) across the 30 wards in Turkana County. PCVRA is a Mandatory Minimum Access Condition for FLLoCA CCRI grant. The process is guided by a template from the National Treasury which is uniform across the country and requires participation of sectorial heads from climate change sensitive sectors/stakeholders..

The purpose of this communication is to cordially invite you to a one- day validation workshop scheduled for 26<sup>th</sup> May 2023 as from 8:30 am, at the Stegra Hotel - Lodwar.

We look forward to your participation.

Yours in service,

  
Iris Mariaio  
CECM-Tourism, Culture, Natural Resources and Climate Change

**COUNTY EXECUTIVE**  
**TURKANA COUNTY GOVERNMENT**  
  
**24 MAY 2023**  
  
P. O. Box 11 - 30500, LODWAR  
Ministry Of Tourism, Culture, Natural Resources and Climate Change

**INCL:** County Secretary/ Head of Public Service  
County Chief Officer – Environment, Natural Resources and Climate Change

## Annex 3: List of Participants for PCRA Validation Workshop

TURKANA COUNTY GOVERNMENT

MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

VALIDATION WORKSHOP FOR PARTICIPATORY CLIMATE VULNERABILITY RISK ASSESSMENT (PCVRA) AND TURKANA COUNTY CLIMATE CHANGE ACTION PLAN ON 26<sup>TH</sup> MAY 2023 AT STEGRA HOTEL, LODWAR

County TURKANA  
Date 26/05/2023

| S/No | Name           | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature |
|------|----------------|----------|------------|--------|--------|---|----|----------|----------|-----------|
|      |                |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |           |
|      | Charles Enu    | 27702766 | 0702112509 | ✓      |        |   |    |          |          |           |
| 17   | Charles Enu    | 27702766 | 0702112509 | ✓      |        |   |    |          |          |           |
| 18   | James Koei     | 28127236 | 071430404  | ✓      |        |   |    |          |          |           |
| 19   | PHILIP EKOLONG | 12434452 | 0706648462 | ✓      |        |   |    |          |          |           |
| 20   | Neshah Enkedi  | 35842069 | 0759084215 | ✓      |        |   |    |          |          |           |
| 21   | Karebur Reneld | 25377939 | 0770442134 | ✓      |        |   |    |          |          |           |
| 22   | KURU PAUL W.   | 21304347 | 0713669385 | ✓      |        |   |    |          |          |           |
| 23   | EROT LOBUIN    | 31984879 | 079968907  | ✓      |        |   |    |          |          |           |
| 24   | LOKOTD BENARD  | 31191392 | 0701878931 | ✓      |        |   |    |          |          |           |

TURKANA COUNTY GOVERNMENT

MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

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County TURKANA  
Date 26/05/2023

| S/No | Name               | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature |
|------|--------------------|----------|------------|--------|--------|---|----|----------|----------|-----------|
|      |                    |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |           |
| 8    | Emage Wapetel      | 28073541 | 079575443  | ✓      |        |   |    |          |          |           |
| 9    | Emage Wapetel      | 28073541 | 079575443  | ✓      |        |   |    |          |          |           |
| 10   | EUNILE PESHU       | 34518162 | 0792251492 |        | ✓      |   |    |          |          |           |
| 11   | RAEL ANTELLA LOKOL | 37024969 | 0702825726 |        | ✓      |   |    |          |          |           |
| 12   | ORVELUS LOKOL      | 21969486 | 070483217  | ✓      |        |   |    |          |          |           |
| 13   | James Ikem Lokol   | 280685   | 071333107  | ✓      |        |   |    |          |          |           |
| 14   | ELIZABETH AWA      | 14448781 | 0729305417 |        | ✓      |   |    |          |          |           |
| 15   | WALO LOKOL ENU     | 2171784  | 0703827443 |        | ✓      |   |    |          |          |           |
| 16   | PAUL E. NAMUNGO    | 25843267 | 0719474711 | ✓      |        |   |    |          |          |           |



TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

VALIDATION WORKSHOP FOR PARTICIPATORY CLIMATE VULNERABILITY RISK ASSESSMENT (PCVRA) AND TURKANA COUNTY CLIMATE CHANGE ACTION PLAN ON 26<sup>TH</sup> MAY 2023 AT STEGRA HOTEL, LODWAR

County TURKANA  
Date 26/05/2023

| S/No | Name               | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|--------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                    |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 33   | EKAAL EPAKAN       | 33658313 | 0726796420 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 34   | LENY NALEM         | 40009064 | 0714426942 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 35   | EUNICE ELAMACH     | 35849979 | 0745030354 | ✓      |        | ✓                                       |    | ✓        |          | <i>[Signature]</i> |
| 36   | DR. ERENUS NAKABO  | 22493250 | 0720931191 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 37   | KIMBERLEY KHASIALA | 32971855 | 0710881809 |        | ✓      |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 38   | Kitio Mucuh        | 32847309 | 0757145975 | ✓      | ✓      |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 39   | Ebongen Jamila     | 29769446 | 0798104801 |        | ✓      |   |    | ✓        |          | <i>[Signature]</i> |
| 40   | Johnson Ngilo      | 2433383  | 0718666336 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

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County TURKANA  
Date 26/05/2023

| S/No | Name             | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                  |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 25   | Emmanuel Lapur   | 34433708 | 0745601136 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 26   | Dennis D. Ogaya  | 25408263 | 0722072309 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 27   | Kevin Ojien      | 30644399 | 0702224466 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 28   | Dennis Makeda    | 32207669 | 0701124824 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 29   | Arman L. George  | 33991670 | 0743149148 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 30   | Nancy ENEST      | 34425155 | 0748999035 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 31   | LOTIR HENRY      | 32049496 | 0712592460 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 32   | KAPOMO LOPE MUSA | 29779532 | 0700329910 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

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County TURKANA

Date 26/05/2023

| S/No | Name               | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|--------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                    |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 1    | Erinu Ednan Daniel | 24049514 | 0711943832 | M      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 2    | Charles Eris       | 27702766 | 0702112509 | M      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 3    | CORNELIOUS LOCHUK  | 26455426 | 0769863999 | M      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 4    | MARIKO AKILENG     | 32103388 | 0796302820 | M      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 5    | Gabriel Fkalele    | 10987714 | 0722961586 | M      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 6    | RICHARD A. GUYA    | 11663958 | 0723671211 | M      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 7    | Tony Mwaniki       | 29756118 | 0708245322 | M      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 8    | Lokada Lekyer      | 36561828 | 0795790504 |        | F      |   | ✓  | ✓        |          | <i>[Signature]</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

VALIDATION WORKSHOP FOR PARTICIPATORY CLIMATE VULNERABILITY RISK ASSESSMENT (PCVRA) AND TURKANA COUNTY CLIMATE CHANGE ACTION PLAN ON 26<sup>TH</sup> MAY 2023 AT STEGRA HOTEL, LODWAR

County TURKANA

Date 26/05/2023

| S/No | Name                   | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|------------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                        |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 41   | JOHN LON'GIRI LON'GIRI | 22501051 | 0717663675 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 42   | KARIKA PE'KA           | 30502439 | 0718701124 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 43   | GEOFFREY ERERONE       | 31658893 | 0720648111 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 44   | Teresa Teru Ejore      | 25201246 | 071534735  |        | ✓      |   |    | ✓        | ✓        | <i>[Signature]</i> |
| 45   | Richard Lore Ennu      | 31945373 | 0705310224 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 46   | Peter Etebo            | 26414673 | 0728621343 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 47   | Mike Kulte             | 31694014 | 0707221762 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 48   | Ezer Joshua            | 25975283 | 0717479197 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |



TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

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County TURKANA

Date 26/5/2023

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|------|----------------|----------|------------|--------|--------|---|----|----------|----------|-------------|
|      |                |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |             |
| 66   | EDOMBE DANIMBO | 31055493 | 079002089  | ✓      |        |   | ✓  | ✓        |          | <i>Phan</i> |
| 67   | Aggrey Omondi  | 1377556  | 0723405938 | ✓      |        |   | ✓  |          | ✓        | <i>Arad</i> |
|      |                |          |            |        |        |   |    |          |          |             |
|      |                |          |            |        |        |   |    |          |          |             |
|      |                |          |            |        |        |   |    |          |          |             |
|      |                |          |            |        |        |   |    |          |          |             |
|      |                |          |            |        |        |   |    |          |          |             |
|      |                |          |            |        |        |   |    |          |          |             |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

VALIDATION WORKSHOP FOR PARTICIPATORY CLIMATE VULNERABILITY RISK ASSESSMENT (PCVRA) AND TURKANA COUNTY CLIMATE CHANGE ACTION PLAN ON 26<sup>TH</sup> MAY 2023 AT STEGRA HOTEL, LODWAR

County TURKANA

Date 26/05/2023

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|------|--------------------|----------|------------|--------|--------|---|----|----------|----------|---------------|
|      |                    |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |               |
| 49   | JULIUS EKAL EKUWOM | 29293096 | 0705615150 | ✓      |        |   | ✓  | ✓        |          | <i>Kare</i>   |
| 50   | LOLI BA AMOS       | 26082351 | 0700276000 | ✓      |        |   | ✓  |          | ✓        | <i>Amos</i>   |
| 51   | PAUL EKWAR         | 30768133 | 0701271444 | ✓      |        |   | ✓  | ✓        |          | <i>Eku</i>    |
| 52   | Hesborn Etyang     | 30927657 | 0113128099 | ✓      |        |   | ✓  | ✓        |          | <i>Hes</i>    |
| 53   | Sammy Luta Okheko  | 25912154 | 0724391091 | ✓      |        |   | ✓  | ✓        |          | <i>Sam</i>    |
| 54   | PETER WAMUNGO      | 7630399  | 0723055371 | ✓      |        |   | ✓  |          | ✓        | <i>Peter</i>  |
| 55   | CHIEF EKIMABER     | 24933666 | 0719970024 | ✓      |        |   | ✓  | ✓        |          | <i>Chief</i>  |
| 56   | DANIEL EKAL        | 24565625 | 0710890020 | ✓      |        |   | ✓  |          | ✓        | <i>Daniel</i> |

TURKANA COUNTY GOVERNMENT



MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

PCRA Consultative Meeting Form

VALIDATION WORKSHOP FOR PARTICIPATORY CLIMATE VULNERABILITY RISK ASSESSMENT (PCVRA) AND TURKANA COUNTY CLIMATE CHANGE ACTION PLAN ON 26<sup>TH</sup> MAY 2023 AT STEGRA HOTEL LODWAR

County TURKANA

Date 26/5/2023

| S/No | Name                  | ID       | Mobile No. | Gender |        | People living with disability (yes/ no) |    | Age      |          | signature          |
|------|-----------------------|----------|------------|--------|--------|---|----|----------|----------|--------------------|
|      |                       |          |            | Male   | Female | Yes                                     | No | Below 35 | Above 35 |                    |
| 51   | Alexander E. LAMA     | 0146394  | 07242088   | ✓      |        | ✓                                       |    |          | ✓        | <i>[Signature]</i> |
| 58   | MOSES WABEI           | 36554737 | 0798107648 | ✓      |        |   |    | ✓        |          | <i>[Signature]</i> |
| 59   | DICKSON KENGOR        | 40750941 | 0705175423 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 60   | David Epeta           | 29645832 | 0710352224 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 61   | EWOL INGOLOL MECKLINE | 28207178 | 0717453404 |        | ✓      |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 62   | John ngasike          | 28364345 | 0797720857 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 63   | Thomas Kiyunga        | 32680259 | 0122581882 | ✓      |        |   | ✓  | ✓        |          | <i>[Signature]</i> |
| 64   | IRIS MARIO            | 12711377 | 0712553585 | ✓      |        |   | ✓  |          | ✓        | <i>[Signature]</i> |
| 65   | AMANI TELIA           | 35504274 | 0791553768 |        | ✓      |   | ✓  | ✓        |          | <i>[Signature]</i> |

## Annex 4: Program for PCRA Validation Workshop

### TURKANA COUNTY GOVERNMENT



### MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES & CLIMATE CHANGE

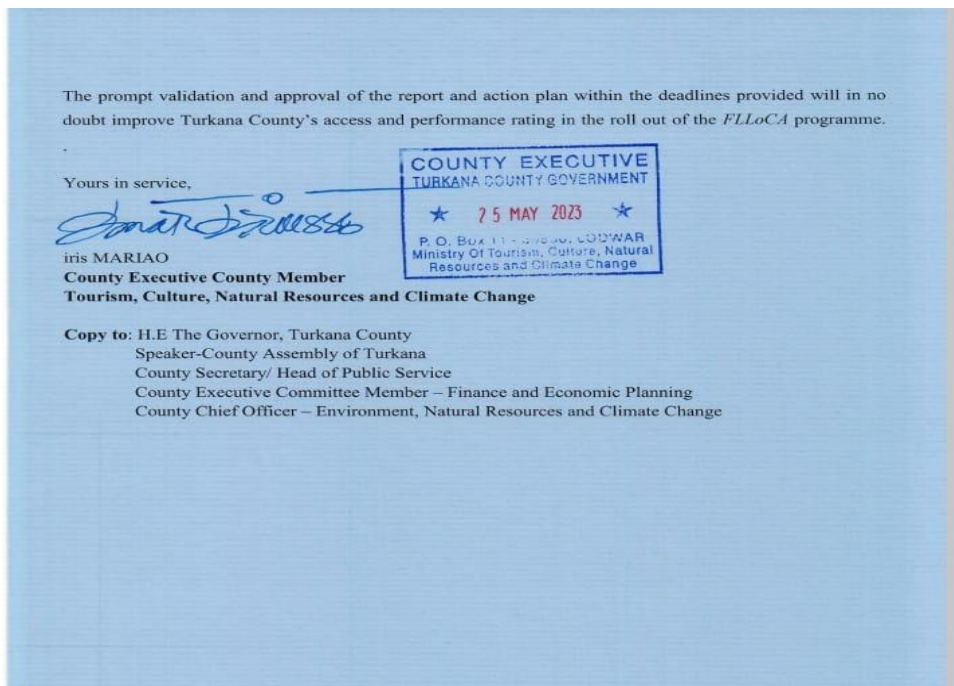
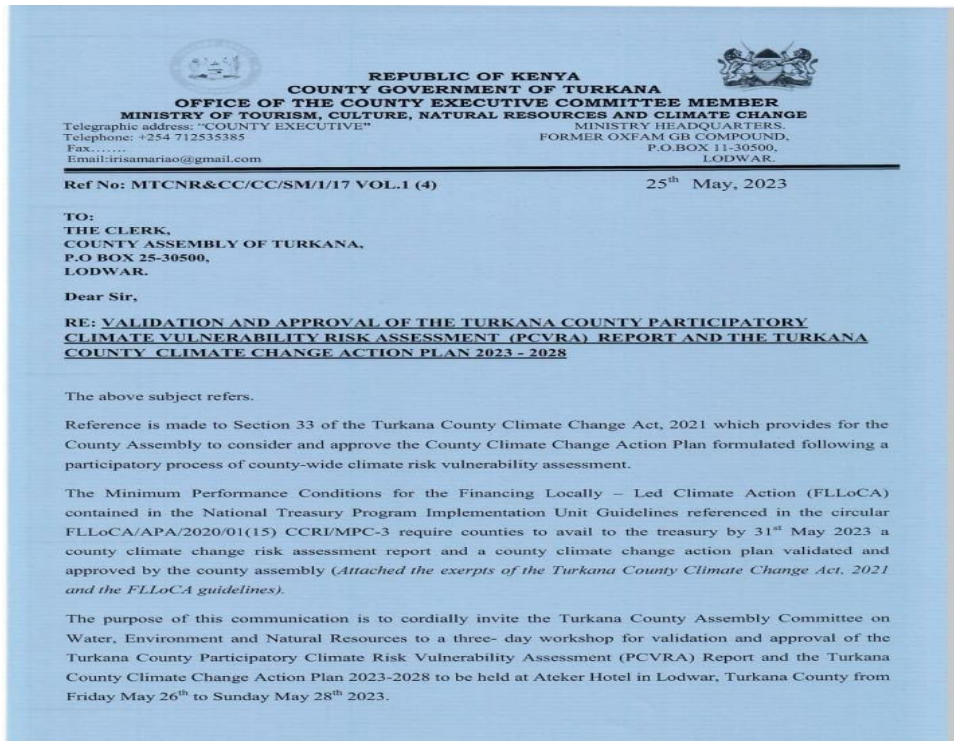
#### WORKSHOP PROGRAMME VALIDATION WORKSHOP FOR PARTICIPATORY CLIMATE RISK ASSESSMENT (PCRA) AND WARD CLIMATE CHANGE ACTION PLANS IN TURKANA COUNTY ON 26<sup>TH</sup> MAY 2023 AT STEGRA HOTEL

| TIME                | DESCRIPTION OF ACTIVITY   | RESPONSIBLE                                  |
|---------------------|---|--|
| 8.00 am – 8.30 am   | Arrival and registration of participants  | Grace Lotoom                                 |
| 8.30 am – 9.45am    | Welcoming Remarks by Deputy Director Climate Change, CCOs & CECM Tourism, Culture, Natural Resources and Climate Change | Deputy Director CC, CCOs & CECM              |
| 8.45 am-9.00am      | Opening Remarks by Chairperson CAT committee on Water, Environment and Natural Resources                                | Hon. James Ikeny                             |
| 9:00 am – 9:20 am   | National Climate Change Amendment Bill  | Ikal Ang'elei-Director FoLT                  |
| 9.20 am - 10.00 am  | Overview of the PCRA process  | Dr. Ong'ech                                  |
| 10.00 am – 10.30 am | Assessment methodology  | Dr. Ong'ech                                  |
| 10.30 am – 11.00 am | <b>Tea break</b>  | <b>ALL</b>                                   |
| 11.00 am – 12.30 pm | PCRA Findings presentation  | Dr. Ong'ech                                  |
| 12.30 pm-1.00 pm    | PCRA Report validation  | ALL  |
| 1.00 pm – 2.00 pm   | <b>Lunch Break</b>  | <b>ALL</b>                                   |
| 2.00 pm – 3. 00 pm  | Climate Change Action Plan overview   | Dr. Ong'ech                                  |
| 3.00 pm – 3.30 pm   | County Climate Change Action Plan validation  | ALL  |
| 3.30 pm – 4.00 pm   | Deliberations and commitments on way forward  | Dr. Ong'ech & Deputy Director Climate Change |
| 4.00 pm – 4.20 pm   | Vote of thanks and closing remarks  | CECM TCNR&CC                                 |

|                   |                      |            |
|-------------------|----------------------|------------|
| 4.20 pm - 5.00 pm | <b>4 O'clock Tea</b> | <b>ALL</b> |
|-------------------|----------------------|------------|



## Annex 5: Invitation Letter for County Assembly Committee on Water, Environment and Natural Resources



## Annex 6: Attendance List for County Assembly Committee on Water, Environment and Natural Resources

### COUNTY GOVERNMENT OF TURKANA



### MINISTRY OF TOURISM, CULTURE, NATURAL RESOURCES AND CLIMATE CHANGE

#### DEPARTMENT OF CLIMATE CHANGE

VALIDATION AND APPROVAL OF THE TURKANA COUNTY PARTICIPATORY CLIMATE VULNERABILITY RISK ASSESSMENT (PCVRA) REPORT AND THE TURKANA COUNTY CLIMATE CHANGE ACTION PLAN 2023 – 2028 ON 27<sup>TH</sup> MAY 2023 AT ATEKER HOTEL

#### PARTICIPANT FORM

| S/No | Name                     | Designation | ID no    | Phone No.   | Sign |
|------|--------------------------|-------------|----------|-------------|------|
| 1.   | HON. JAMES IKENY LOKELI  | CHAIRMAN    | 21306855 | 0713-361175 |      |
| 2.   | HON. VALIMANGUS BEDAN    | VICEMAN     | 24280749 | 0719322793  |      |
| 3.   | HON. ABDIETTAK KAPUA GEE | MEMBER      | 00023865 | 0711694385  |      |
| 4.   | SELINA IDOKO             | MEMBER      | 13428835 | 0710662521  |      |
| 5.   | Hon. Mark A. Amogang     | MEMBER      | 4780184  | 0713590845  |      |
| 6.   | HON. MICHAEL EKALALE     | MEMBER      | 8899899  | 0799667114  |      |

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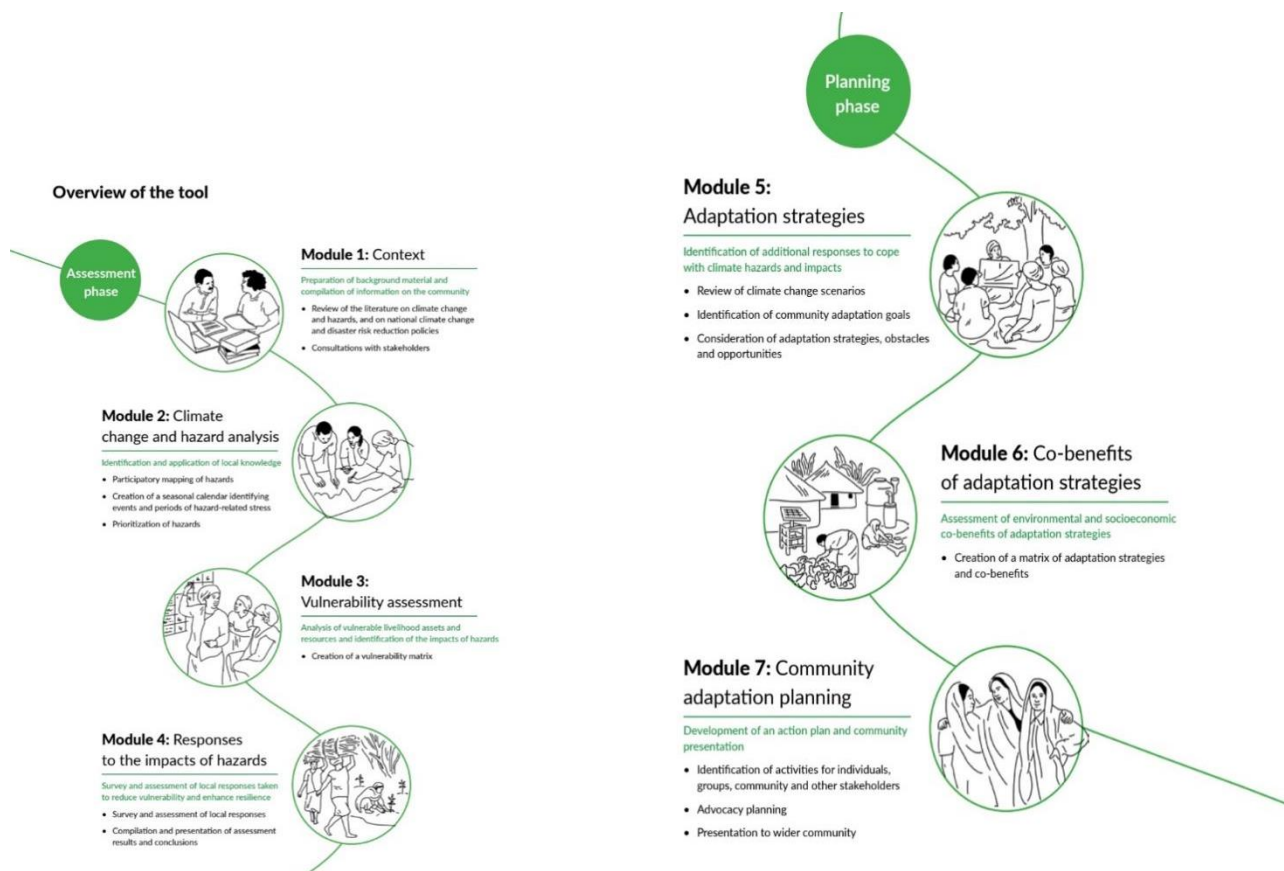
|     |                      |   |          |            |  |
|-----|----------------------|---|----------|------------|--|
| 7.  | HON. ELIUD EYOWI     | MEMBER  | 21159650 | 0713928565 |  |
| 8.  | HON. WILLY NAPUTO    | MEMBER  | 23883078 | 0711169310 |  |
| 9.  | HON. MARY ARUPE      | MEMBER  | 21428315 | 0702863231 |  |
| 10. | RHODA ATABO TITIA    | COMM. CLERK   | 22661707 | 0715930711 |  |
| 11. | KEVIN B. KIRERY      | COMM. CLERK   | 16125417 | 0710362820 |  |
| 12. | GEOFFREY KERO ELMAR  | HANGAR  | 23552221 | 0726899707 |  |
| 13. | EKIDOR PAUL          | Sergeant at arms  | 23511603 | 0728802985 |  |
| 14. | WUEN LOKELITH        | SEN. SECRETARY OF AGRICULTURE                           | 24573741 | 072442241  |  |
| 15. | Mekede Mark          | CHIEF PUBLIC COMM. & MEDIA RELATIONS OFFICER            | 25009546 | 0717033645 |  |
| 16. | JOSEPH LOIBACH ETAN  | PRINCIPAL RESEARCH OFFICER - CAT                        | 12434059 | 0726391121 |  |
| 17. | LOKALA NAEMI LOKITOK | CLIMATE CHANGE OFFICER                                  | 36561828 | 0795790504 |  |
| 18. | Ebongon Jamilla      | Environment & Climate Change Officer                    | 21769446 | 0798104801 |  |
| 19. | Grace Wodan          | SENIOR SUSTAINABLE DEVELOPMENT OFFICER - CLIMATE CHANGE | 21771784 | 0703777945 |  |
| 20. | Teresa Teru Egor     | SENIOR CLIMATE CHANGE OFFICER                           | 25202446 | 0715344250 |  |
| 21. | NADIB ANDREW NAMENGA | ACCOUNTANT  | 28596932 | 0706417242 |  |
| 22. | JOHNSON NGIKOI       | PUBLIC INFORMATION OFFICER                              | 17133353 | 0718066336 |  |
| 23. | ELIZABETH AURU       | PRINCIPAL CLIMATE CHANGE OFFICER                        | 14468781 | 0729305417 |  |
| 24. | JOSEPH EKALALE IMONI | ENV/CC OFFICER  | 11512688 | 0711580879 |  |

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|     |                    |                        |          |            |                    |
|-----|--------------------|------------------------|----------|------------|--------------------|
| 25. | ITAN MATRI AD      | OFDM - TADIRUM         | 12911377 | 0712585385 | <i>[Signature]</i> |
| 26. | Rael AKITELA LOKOL | Climate change Officer | 37024869 | 0702825220 | <i>[Signature]</i> |
| 27. | Dennis O.O. Oryech | Resource Officer       | 25408263 | 0728072250 | <i>[Signature]</i> |
| 28. |                    |                        |          |            |                    |
| 29. |                    |                        |          |            |                    |
| 30. |                    |                        |          |            |                    |
| 31. |                    |                        |          |            |                    |
| 32. |                    |                        |          |            |                    |
| 33. |                    |                        |          |            |                    |
| 34. |                    |                        |          |            |                    |
| 35. |                    |                        |          |            |                    |
| 36. |                    |                        |          |            |                    |
| 37. |                    |                        |          |            |                    |
| 38. |                    |                        |          |            |                    |
| 39. |                    |                        |          |            |                    |
| 40. |                    |                        |          |            |                    |



# TURKANA COUNTY GOVERNMENT PARTICIPATORY CLIMATE CHANGE VULNERABILITY RISK ASSESSMENT MODULES FOR COMMUNITY ENGAGEMENT



## **Module 2: Climate change and hazard analysis -Identification and application of local knowledge**

Develops a climate change and hazard analysis in the community through three exercises – **one designed to develop a map of hazards, assets, and resources in the area**, **one to draw up a seasonal calendar that shows when periods of hazard-related stress occur**, and **one to prioritize the hazards for further analysis**.

### **Exercise 1: Hazard Map**

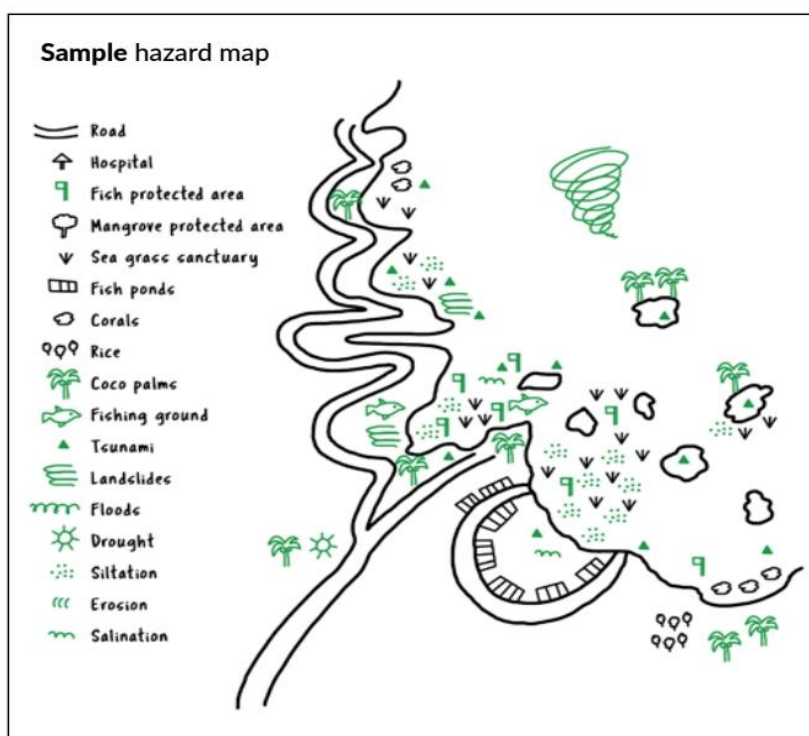
Participants draw a map of their community, indicating the areas and livelihood resources put at risk by certain climate, natural or human-made hazards, and discuss the changes in the type, extent, frequency, and intensity of these hazards. The objectives of this exercise are to:

- Identify important livelihood resources and assets in the community
- Identify areas and resources at risk from climate, natural, or human-made hazards.
- Analyse changes in areas affected and types of hazards seen





Do not spend too much time drawing the boundaries, settled areas and facilities. Try to focus on the resources and hazards.

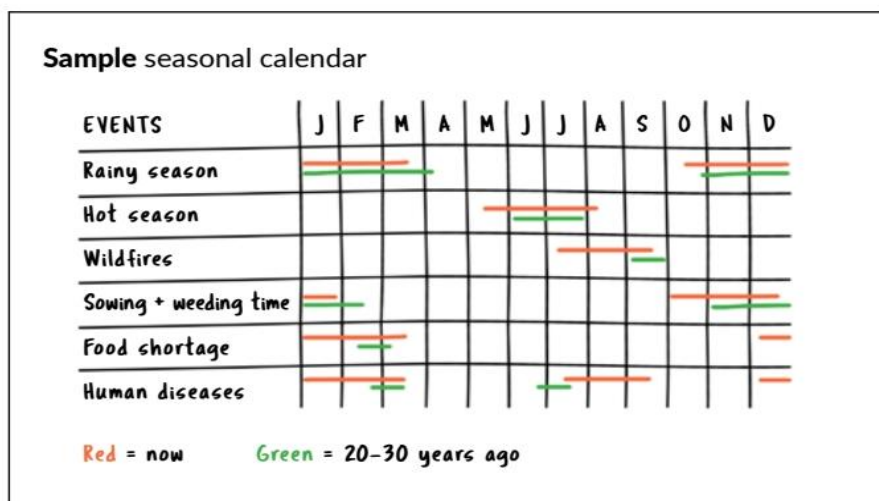


## Exercise 2: Seasonal calendar

In this exercise, participants make a seasonal calendar indicating important events in the year – particularly periods of stress due to natural or human-made hazards – and discuss how the frequency, intensity, and timing of the hazards have changed.

The exercise objectives are:

- To understand the main community activities and events
- To identify periods of stress, hazard, disease, hunger, debt, and vulnerability
- To analyze changes in seasonal activities and events and their links to climate change



Provide names of events and seasons in the local language  
Highlight observed changes  
Highlight observed impacts

The participants list significant seasons, events, or conditions down the leftmost column.

Among the common items to consider for placement on the list are:

- Rainy and dry seasons

- Crop seasons – clearing, burning, planting, weeding, and harvest
- Livestock keeping and fishing seasons
- Typical timing of weather or climate hazards such as typhoons or cyclones, floods, drought, and wildfires
- Periods of stress: food scarcity, water shortage, diseases, pests
- Hunting and firewood collection periods
- Times of labor migration
- Periods of potential financial stress – taxes, school fees, holiday expenses
- Important holidays and festivals

#### Notes for discussion

- Where do the calendars agree, and where do they differ?
- What are the differences in the timing of seasons and events as compared to 20 or 30 years ago?
- What could be the reasons for these changes?

#### Exercise 3: Prioritization of hazards

Participants summarize the knowledge gained in the map and calendar exercises, draw conclusions and identify the hazards most relevant for their community. The objectives of this exercise are to:

- Create a common understanding of the main hazards affecting the community
- Highlight changes and trends in hazards and determine possible explanations
- Create a common understanding of the differences in who is most affected

#### Discussion and ranking

Following exercises 1 and 2:

- Which hazards relate to difficult moments for the community?
- What changes and trends related to hazards and vulnerable periods are apparent, and what are possible explanations?
- Who is most affected? By which hazards?
- What are the most relevant or threatening hazards?
- How often does the hazard occur?
- How severely are we affected by the hazard?
- Voting hazards: High impact, low impact, moderate impact, etc. using sticky notes/ dots

#### Module 3: Vulnerability assessment

##### Analysis of vulnerable livelihood assets and resources and identification of the impacts of hazards

Participants identify the assets and resources most important to people's livelihoods. They then develop a matrix to determine which of the community's livelihood assets and resources are most vulnerable to the main hazards in the community

#### Exercise 4: Vulnerability matrix

In this exercise, participants develop a matrix that lists the resources and assets most important to the community's livelihoods against the hazards prioritized in Exercise 3. Participants then evaluate the level of impact of the hazards. The objectives of the exercise are to:

- Identify the community's most important resources and assets
- Identify the vulnerability of the assets and resources to the hazards
- Determine which assets and resources are most at risk
- Determine which hazards are most harmful to the resources and assets

This exercise builds on the hazard map, the seasonal calendar and the prioritization of hazards from Module 2.

Identify the main livelihood assets and resources in each of the categories listed below.

- Natural resources on which people rely for income, food, medicine, protection, fuel, and other sustenance – forests, water, air, and soil, for example
- Physical resources – infrastructure for transport, water management, energy, and communications such as roads, hospitals, dwellings, and water tanks
- Economic and financial resources such as income from the sale of agricultural products and handicrafts, casual work and remittances
- Social resources such as local councils, churches, cooperatives, trade unions, and family
- Human resources – the skills, knowledge, capacity, and good health important to the pursuit of livelihoods, including agricultural and leadership skills and gender-specific knowledge

#### Rate the impact of every hazard on the resources using the following scoring system

**3 = high impact on the resource**

**2 = medium impact on the resource**

**1 = low impact on the resource**

**0 = no or positive impact on the resource**

### Sample Blank vulnerability matrix

|                       | LIVELIHOOD RESOURCES<br>AND ASSETS | Hazard 1 | Hazard 2 | Hazard 3 |
|-----------------------|------------------------------------|----------|----------|----------|
| NATURAL               |                                    |          |          |          |
| PHYSICAL              |                                    |          |          |          |
| ECONOMIC<br>FINANCIAL |                                    |          |          |          |
| SOCIAL                |                                    |          |          |          |
| HUMAN                 |                                    |          |          |          |





When preparing the matrix, do not write "Total" or "Ranking" on the sheet. Instead, add these headings at the end of the exercise to create a moment of surprise when the totals and rankings are revealed.

**Sample Filled-in vulnerability matrix**

|                    | LIVELIHOOD RESOURCES AND ASSETS | Drought | Changing rainfall patterns | Heavy winds | Total | Ranking |
|--------------------|---------------------------------|---------|----------------------------|-------------|-------|---------|
| NATURAL            | Arable land                     | 2       | 1                          | 2           | 6     | 3       |
|                    | Pasture                         | 3       | 1                          | 0           | 4     |         |
|                    | Water                           | 3       | 1                          | 0           | 4     |         |
|                    | Forest                          | 1       | 0                          | 2           | 3     |         |
| PHYSICAL           | Houses                          | 0       | 0                          | 2           | 2     |         |
|                    | Roads                           | 0       | 0                          | 1           | 1     |         |
|                    | Wells                           | 0       | 0                          | 0           | 0     |         |
| ECONOMIC FINANCIAL | Farming                         | 3       | 3                          | 3           | 9     | 1       |
|                    | Livestock                       | 3       | 2                          | 2           | 7     | 2       |
|                    | Petty trade                     | 2       | 2                          | 2           | 6     | 3       |
|                    | Paid work                       | 1       | 0                          | 1           | 2     |         |
| SOCIAL             | Farmers association             | 2       | 1                          | 1           | 4     |         |
|                    | Women's Group                   | 2       | 1                          | 1           | 4     |         |
|                    | Family                          | 2       | 1                          | 1           | 4     |         |
| HUMAN              | Health                          | 3       | 2                          | 2           | 7     | 2       |
|                    | Security                        | 2       | 1                          | 1           | 4     |         |
|                    | Skills                          | 0       | 0                          | 0           | 0     |         |
| Total              |                                 | 32      | 16                         | 21          |       |         |
| Ranking            |                                 | 1       | 3                          | 2           |       |         |

The note-takers document key points of discussion that lead to the assigned scores, and record any disagreements on the scores.

Facilitators add the numbers vertically and horizontally to determine which livelihood resources have the highest horizontal sum and are thus most vulnerable, and which hazard has the highest vertical sum and thus has the highest impact on the identified livelihood resources.

#### Discussion questions

- Where do the matrices of various groups (men, women, pastoralists, etc.) agree, and where do they differ?
- Which assets or resources are most affected, and which are not affected?
- What does it mean to the community when the basic assets or resources of the most widespread livelihoods are affected the most?
- Are any groups – the landless, handicapped people, the elderly, migrants, or indigenous people – more affected than others?
- Why are some hazards more harmful than others?
- Where and how has the vulnerability of the community increased in recent years? If particularly vulnerable groups are identified, write them down in a list, which will be used in Exercise 6.

#### Module 4: Responses to the impacts of hazards

Survey and assessment of local responses taken to reduce vulnerability and enhance resilience

Module 4 reviews and evaluates the effectiveness and sustainability of local responses to the impacts resulting from current climate and disaster hazards, and summarizes and interprets the results.

#### Exercise 5: Review and evaluation of local responses

In this exercise, participants complete a matrix that lists hazards, their related impacts on livelihoods and the local responses that people in the community currently use to lessen the negative impacts. Facilitators then guide the participants in the evaluation of these responses.

##### Facilitation

1. Facilitators select the two or three hazards with the strongest effects on livelihood resources from the vulnerability matrix created in Exercise 4, and write the first hazard in the matrix. Participants then identify the direct negative impacts of this hazard, and the facilitators list the impacts in the second column.
2. The third column lists the strategies or practices the participants report that they or someone else in the community use in response to this impact. As each response is added to the matrix, participants evaluate the responses on the effectiveness of the measures (column four) and their sustainability (column five) by ranking the measures on the following scale:  
 +++ = Very high  
 ++ = High  
 + = Medium  
 0 = Not effective or not sustainable
3. Participants work across the matrix, completing the responses to each impact and the rankings before moving on to the next impact.
4. **Hazards may include droughts and storms, for example. Their direct impacts include crop and property damage; indirect impacts may include hunger and loss of income.**

**Sample matrix** Evaluation of responses to the impacts of hazards

| HAZARD            | IMPACTS                           | LOCAL RESPONSES                       | EFFECTIVENESS | SUSTAINABILITY |
|-------------------|-----------------------------------|---------------------------------------|---------------|----------------|
| Flood             | Soil erosion                      | Build weirs                           | ++            | ++             |
|                   | Water pollution                   | Boil water                            | +++           | +              |
|                   |                                   | Add bleach to water                   | +++           | +              |
|                   | Loss of income                    | Cut trees to sell wood<br>Steal sheep | +++<br>+      | +<br>0         |
| High temperatures | Dehydration                       | Drink lots of water                   | ++            | ++             |
|                   |                                   | Wear a hat                            | ++            | +++            |
|                   | Water shortages                   | Collect river water                   | ++            | +              |
|                   |                                   | Conserve water                        | ++            | ++             |
|                   | More difficult working conditions | Start work earlier                    | ++            | +              |



Facilitators can guide the participants to collect existing responses and local practices by reminding them that they should only list what they are actually doing, not what they think they should be doing. Some responses may be harmful, such as stealing, but should still be listed and discussed.

The ranking for effectiveness answers the question of how well the response is working to deal with the identified impact, and the ranking for sustainability answers the question of whether the response will work in the long term without compromising other aspects of livelihoods.

##### Discussion notes

- Where do the matrices of men and women agree, and where do they differ?
- Which local responses are only identified in one of the matrices?
- Do some people face obstacles to using responses others are using?
- Which responses relate to direct impacts, and which to indirect impacts?
- In light of the rankings, what conclusions can we draw as to effectiveness and sustainability?
- Which responses are satisfying, and which are weak?
- Where do the responses have to be improved?

#### Summary: Review and conclusions

The objectives of this summary are to:

- Ensure that everyone shares the same understanding of the process so far
- Ensure a common understanding and clear view of the main results

- Prepare participants for the next three modules

We carry out rankings for the severity of impacts based on the prioritization of hazards in Exercise 3 and the vulnerability matrix in Exercise 4, using the same scale as in Exercise 5:

+++ = Very high

++ = High

+ = Medium

0 = Not effective or not sustainable

**Sample Hazard-response-action table**

| Hazard    | SEVERITY OF IMPACT | STRENGTH OF EXISTING RESPONSES | NEED FOR ACTION |
|-----------|--------------------|--------------------------------|-----------------|
| Drought   | +++                | +                              | +++             |
| Flood     | +++                | +                              | +++             |
| Heatwaves | ++                 | +                              | ++              |

**The compilation of the results from Modules 2–4 can stand alone as a community climate and disaster risk assessment report that can inform other, ongoing community processes and large-scale assessments.**

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module connects global trends and climate change scenarios to the local situation.

#### **Exercise 6: Community adaptation goals**

In this exercise, participants identify short- and long-term adaptation goals for the community. As in previous modules, facilitators conduct the exercise in separate groups of men and women, and if minorities are involved another separate session is also a good idea. After each group has defined their goals, the facilitators bring together the men and women (and minorities if they have a separate session) into a single discussion of their respective results.

**The objective is to have no more than five long-term goals** in order to keep the number of goals manageable for planning. If more than five long-term goals remain after the clustering, do a ranking in order to agree on the five most important long-term goals.

# Sample Adaptation path sheet with clustered and merged goals

| HAZARD | IMPACT          | ADAPTATION STRATEGY | ADAPTATION GOAL  |   |
|--------|-----------------|---------------------|--|---|
|        |                 |                     | SHORT-TERM   | LONG-TERM   |
| Flood  | Soil erosion    |                     | <p>Get flood information</p> <p>Warned before floods happen</p> <p>Everyone has access to flood early warning</p> <p>Warning of unsafe water</p> | <p>Soil erosion stopped</p> <p>Hilltops, steep slopes and marshes restored</p> <p>Degraded area restored</p>                  |
|        | Water pollution |                     | <p>Access to safe water during flood</p>   | <p>School water supply</p> <p>One key water source protected against floods</p> <p>Safe water for all during flood</p>        |
|        | Loss of income  |                     | <p>Community emergency</p> <p>Emergency fund established, rules for access exist</p> <p>School grants for poor households available</p>          | <p>Employment opportunities</p> <p>Non-agricultural income opportunities available</p> <p>Diversified incomes established</p> |

**Sample** Adaptation path sheet with final (merged) goals

| HAZARD | IMPACT          | ADAPTATION STRATEGY | ADAPTATION GOAL                                    |   |
|--------|-----------------|---------------------|--|---|
|        |                 |                     | SHORT-TERM   | LONG-TERM                                       |
| Flood  | Soil erosion    |                     | Everyone has access to flood early warning         | Hilltops, steep slopes and marshes restored     |
|        | Water pollution |                     | Access to safe water during flood                  | One key water source protected against floods   |
|        | Loss of income  |                     | Emergency fund established, rules for access exist | Non-agricultural income opportunities available |

### Discussion Notes

- Which impacts were most critical to women, men, and minorities if there was a separate session?
- Where do the goals agree, and where do they differ?
- Why were certain considerations more important to one group?
- How well do the identified goals fit their short- or long-term time frames?
- Are some goals similar, related or dependent on each other?
- Can some goals be merged?

### Exercise 7: Adaptation strategies, obstacles and opportunities

In this exercise, participants identify adaptation strategies for making progress towards the adaptation goals identified in Exercise 6, and build on the local responses identified in Exercise 5.

This exercise can be done in one large group. If this is difficult in the local context, facilitators can conduct the exercise in separate groups of men and women. The objective of this exercise is to:

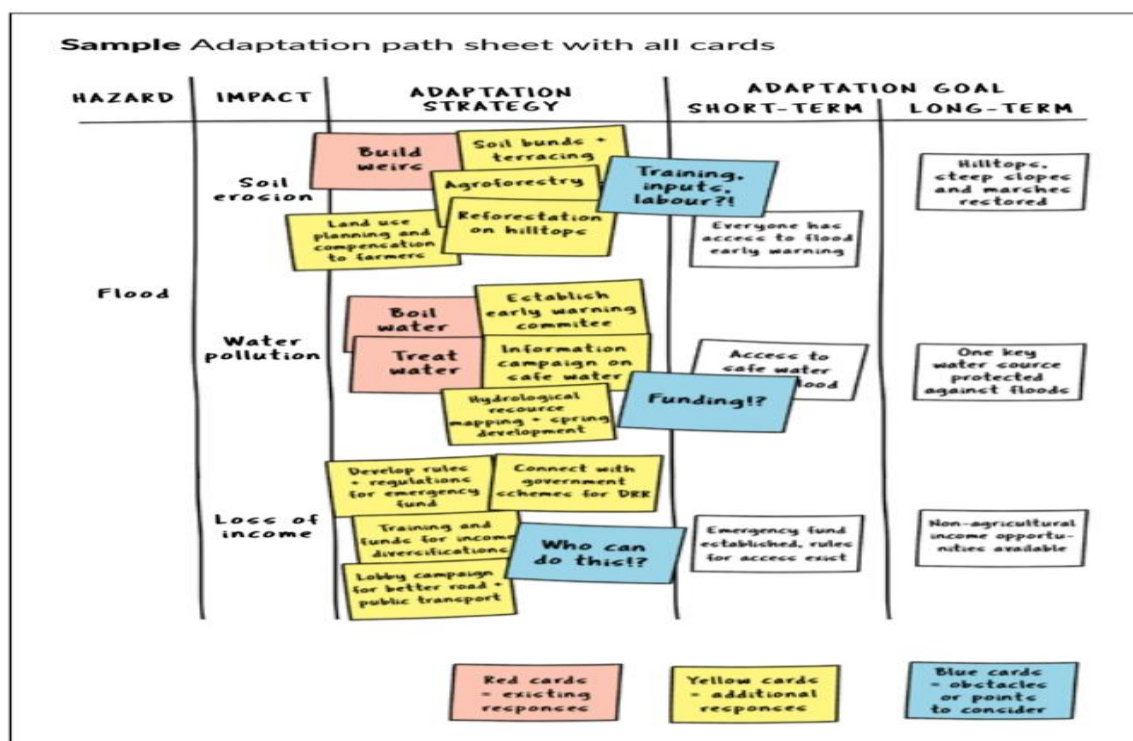
- Develop additional strategies for making progress towards the identified short- and long-term adaptation goals

### Guiding questions

- For which impacts are the existing strategies insufficient to handle climate change?
- What additional actions or strategies would be needed to reach long-term resilience?
- Are there other missing responses or steps to consider?

**Sample Adaptation path sheet with 'existing responses' cards**

| HAZARD | IMPACT          | ADAPTATION STRATEGY       | ADAPTATION GOAL                                    |   |
|--------|-----------------|---------------------------|--|---|
|        |                 |                           | SHORT-TERM   | LONG-TERM                                       |
| Flood  | Soil erosion    | Build weirs               | Everyone has access to flood early warning         | Hilltops, steep slopes and marshes restored     |
|        | Water pollution | Boil water<br>Treat water | Access to safe water during flood                  | One key water source protected against floods   |
|        | Loss of income  |                           | Emergency fund established, rules for access exist | Non-agricultural income opportunities available |



#### Module 6: Co-benefits of adaptation strategies

Assessment of environmental and socioeconomic co-benefits of adaptation strategies

Module 6 assesses the environmental and socioeconomic co-benefits of the adaptation strategies developed in Module 5.

Much of the value of this module comes from the joint reflections of the participants, so facilitators conduct the discussion with the entire group. The objectives are to:

- Highlight the important role of communities as stewards of their natural environment
- Assess whether additional co-benefits can be realized through refinements in the strategies
- Increase awareness of life-sustaining ecological processes such as climate change mitigation through carbon sequestration

#### Exercise 8: Identification of co-benefits



This exercise follows up on the climate change research from Module 1 and the development of community adaptation goals and strategies in Exercises 6 and 7.

**Sample Table of co-benefits**

| ADAPTATION STRATEGY   | CO-BENEFITS  | FURTHER IMPROVEMENTS FOR CO-BENEFITS  |
|---|--|---|
| o Reforestation of degraded watershed to improve stream flow during drought | <ul style="list-style-type: none"> <li>o Carbon sequestration</li> <li>o Improved water quality</li> <li>o Provide shade</li> <li>o Increase biodiversity</li> <li>o Provides income for nursery owners locally</li> </ul> | <ul style="list-style-type: none"> <li>o Use indigenous tree species instead of Eucalyptus</li> <li>o Enhance with bee-friendly flowers</li> <li>o Use fodder tree species as well</li> </ul> |
| o Small-scale irrigation with pumps   |  | <ul style="list-style-type: none"> <li>o Using renewable energy (solar/wind) for pumps</li> <li>o Monitoring of ground-water levels by the community</li> </ul>                               |

**The guiding questions for the discussion are:**

- How do the adaptation strategies positively or negatively affect the protection of soil, water, biodiversity, forests, or climate?
- How can we increase the positive environmental and socioeconomic co-benefits of adaptation strategies?

The documentation of this module will inform community planning, and the options for increasing

Module 7 identifies concrete activities the community can take towards realizing the adaptation strategies and goals, and determines how the final assessment report will be completed. A presentation to the community shares the findings and recommendations of the PACDR analysis as a starting point for more detailed community planning.

- Identify immediate and longer-term actions
- Differentiate between individual and collective action
- Identify where other stakeholders are needed for specific activities
- Identify limiting external factors and key advocacy issues and steps to take towards government institutions

This exercise lays out first steps and main lines of action to take to achieve the community goals. The influence of the plan in the community depends to some extent on the positions and stature of those who help develop it, and this exercise might provide a good opportunity to invite prominent local figures or elected representatives to participate.

**The guiding questions for the exercise are:**

- What concrete short- and long-term activities are needed to reach the goals?
- What adaptation activities can community members implement individually?
- Which adaptation activities are collective and need to be guided by community institutions? Which institutions?
- Which adaptation activities can be implemented with existing community resources?
- → For which activities do we need support? What potential funding streams might we tap? Do we need to

### Sample format for developing actions

| ADAPTATION GOAL  | STRATEGY/RESPONSE                                     | WHAT WILL BE DONE AT COMMUNITY LEVEL                             |  | WHAT EXTERNAL ACTION/SUPPORT IS NEEDED                              |   |
|--|---|--|--|---|---|
|  |   | NOW  | LONG-TERM  | NOW   | LONG-TERM   |
| Secure food through agro-forestry and irrigated garden | Farmer seed exchange                                  | Women Self-Help-Group to share seeds at special event in October | Create annual seed exchange fair at village hall. Organized by farmers' cooperative and women groups | Approach extension service for new variety seeds; farmers coop head | Training on seed production and certification<br>→ Women's leader to approach NGO for support |
|  | Hold Farmer Field Schools on variety selection trials |  |  |   |   |



## TURKANA COUNTY GOVERNMENT TOURISM, CULTURE, NATURAL RESOURCES, AND CLIMATE CHANGE

### INTERVIEW GUIDE ON DEVELOPMENT OF WARD CLIMATE CHANGE ACTION PLANS

#### Introduction

This study is being conducted to help the County Government of Turkana in the development of the Ward Climate Change Action Plans 2023 – 2027 for Turkana County. This important process is being supported by various stakeholders in partnership with the Ministry of Tourism, Culture, Natural Resources and Climate Change. This process follows the establishment of the relevant climate change policy frameworks and instruments, the Turkana County Climate Change Act 2021, section 31 (1) stipulates that “*The County Executive Committee Member shall in consultation with the steering Committee and relevant sectors and through a participatory process involving relevant stakeholders, formulate a County Climate Change Action Plan within one year of this Act coming into force.*” This is a participatory process that requires involvement of the public and all the relevant stakeholders involved in addressing climate change impacts. We therefore request your support by taking part in the interviews by providing information to help in development of the Climate Change Action Plans.

#### Consent

Given the above background, do you agree to be interviewed and to take part in this activity?

|  |                       |
|--|-----------------------|
| <b>General Information:</b>                          |                       |
| County:  | Sub County:           |
| Ward:  | Sub Location/Village: |
| GPS Coordinates:<br>Latitude: _____ Longitude: _____ | Date:                 |
| Household Code:                                      |                       |

**Note respondents Names, Gender, and roles in the community**

## **A. Climate Change Trends and Projection**

1. From your experience, have you observed any changes in weather patterns and climate in the last 20-30 years? How has it changed?  
*[Prompts: Overall rainfall pattern; Do you think that temperatures are changing? Is it now cooler or warmer than before? amount of rain; timing of rain - short and long (later or earlier start?); heat (more or less?); cold (more or less?); flooding (more frequent/flash floods?); drought (more frequent?); wind (stronger winds, direction changed?)]*
2. What are the major climate episodes that have occurred in Turkana (Ward) in the last 20-30 years?  
*[Prompts: Have there been major calamities (refer for example to the 2011 drought? What are the local names of these calamities (communities tend to name calamities such as drought or flooding)?]*
3. Why/What do you think has caused these changes?  
*(Prompts: Divine intervention, communities destroying the environment/ecosystem, conflict among the communities)*
4. How are seasons changing?
5. Is the rainy season getting shorter or longer compared to 20–30 years ago?
6. Is it raining when it is not supposed to rain nowadays?
7. Are there changes in the vegetation cover and productive trends
8. Do you think that lake water level is rising? Can you recall if the shoreline was wider before? How does this affect your livelihood?
9. Can you recall some major hazards experienced in your area (e.g. floods, droughts, cyclones, heat waves)?
10. How this has affected the environment and ecosystems including: crops production, fisheries and livestock, soil and land productivity (short- and long-term effects), water quality and availability, overall access to water for drinking and irrigation, Forests and biodiversity, aquatic ecosystems
11. What does the community do in response to the observed changes and hazards

## **B. Ecosystem Profile**

1. What are the main natural assets available in your community?
2. What is the state of these natural assets (level of environmental degradation and resource depletion)?
3. What is the status of water resources and hydrology; seasonal variation in water availability (e.g. rivers, groundwater); water quality
4. Status of forests and vegetation cover, and observed changes soils and soil nutrient status
5. Land use and drivers of change biodiversity
6. What is the access of the community to water for drinking and irrigation, productive land (e.g. for agriculture and livestock), or marine resources?
7. To what extent the community depends on natural resources for livelihood?
8. Are there any environmental issues in this community such as erosion, deforestation, pollution of water resources (e.g. from agriculture), illegal fishing, expansion of agricultural land, 'slash-and-burn' practices?

## **C. Intersection of Climate Change and Human Mobility, Conflict Sensitivity and Food Security**

**Nexus of climate change and human mobility – Migrations along transhumance routes and pastoral groups' identities in relation to climate shocks. The best climate emergency adaptation strategies to promote in the area.**

1. What are the human mobility (displacement, migration, planned relocations) trends and patterns in the sub-county and the wards (forced and voluntary, permanent and temporary, in and out of the ward)?
2. What gendered elements there might be when considering mobility?

3. Is climate change or environmental degradation influencing human mobility? If, how? What are the consequences?
4. What are the impacts of migration on natural resources and ecosystem services in communities of origin?
5. Are tensions over land and natural resources contributing to human mobility?
6. How do climate change impacts affect the lives and livelihoods of pastoralists? How does this experience differ by age and gender?
7. What are the potential solutions that could prevent forced movements?
8. What is being done to support those moving due to environmental and/or climatic changes (disaggregated by age, gender and migration status)?
9. Are there high at-risk communities, including indigenous communities and socially marginalized groups, which may require planned relocation because of climate change or environmental degradation?
10. How better can local community or migrants' resources and skills be tapped to support climate action?
  - a. *Disaster risk reduction/management plans?*
  - b. *Durable solutions?*
  - c. *Climate change mitigation?*
  - d. *Climate change adaptation?*
11. Are there capacity development and advisory needs to support improved participation in climate action?
12. Are remittances reaching communities vulnerable to climate change? If yes, how?
13. Are there financial products and services to leverage remittances and diaspora funding for financing climate change adaptation?
14. How are migrants and human mobility reflected in the CIDP?
15. Are there programmes to train local-level public servants on human mobility and migrants' rights?
16. Are there any platforms at the county or Sub-County that have human mobility as part of their agenda?
17. Which are the main actors at the Sub-County who are responsible for dealing with human mobility?

**Nexus of Conflict sensitivity and food security -lessons learnt from strengthening food and nutrition security while addressing drivers of conflict and enhancing the capacity of communities to adapt to climate change.**

1. Are you aware of any incidences in the last 20-30 years where the impacts of climate change led to increased hostilities among different communities?
2. Do you think that conflict can reduce a community's ability to adapt to the impacts of climate change?
3. How can conflict reduce a community's ability to adapt to the impacts of climate change?
4. Are you aware of any incidence(s) where conflict has reduced a community's ability to adapt to climate change?
5. Do you think that early warning systems can reduce conflicts?
6. How do you think that early warning systems can reduce conflicts?

**Humanitarian crisis and development – Early warning system to inform Early Action Protocol (EAP) interventions and post crisis/recovery mechanisms. Pattern of displacements in case of disasters in the area and return pattern.**

1. Do you think climate change affects ward/ sub-county development in any way? What ways?



2. Who warns the community of predicted weather events?
3. Do you use scientific early warning to inform your work?
4. Do the pastoralists use early warning messages? How?
5. Is the integration of indigenous early warning and conventional early warning systems necessary for the creation of sustainable futures?
6. What do you think the future of pastoralism will be in the face of a changing climate?
7. Do you think the development strategy (CIDP) represents the future that the pastoralists in Turkana envision for themselves?
8. Did the vision include the views of all stakeholders? *Were community members involved in the CIDP Development process*

#### **D. Climate Change Adaptation Strategies**

1. Identify the Adaptation Strategies per sector relevant to the ward

#### **E. Climate Risk and Vulnerability by sector**

*(Economic Sector, Agriculture and Food Security, Livestock and Pastoralism, Agriculture, Fisheries, Water and Sanitation, Natural Systems, Rangelands and Wildlife Resources, Physical and Social Infrastructure, Communication Infrastructure, Mobility, Energy Sector, Human Settlement and Land use)*

1. How have the observed hazards affected various sectors?
2. What does the community do in response to the observed changes and hazards?

#### **Gender and vulnerabilities evidence and Impacts of Climate Change in the ward**

1. How does gender intersect with other significant socio-economic and cultural identities to produce complex and differentiated vulnerabilities to extreme climate events in Turkana?
2. What are the major gender-based inequalities undermining the Turkana County/ Ward pastoralist community's capacities to cope with extreme climate events?
3. What inequalities exist in access to community/household resources (e.g. weather information/early warning systems) in a pastoral community?
4. And how does this influence resilience and future sustainable pastoral economies in the face of extreme climate events?
5. Are there men's and women's animals and how does this influence resilience and future sustainable pastoral communities in the face of extreme climate events?
  - a. How do men's and women's animals affect their ability to cope – are some animals more sensitive and thus vulnerable to extreme climate events?
  - b. What challenges and opportunities do these represent in the ASALs?
  - c. Do men and women have different strategies of coping with droughts and floods in the ASALs? [differential vulnerabilities] (E.g. do women's reproductive/productive roles enable them to cope better or less than men's productive roles?)
6. How does gender affect the mobilization of different capacities to build resilience and reduce vulnerability to climatic extremes?

#### **Livelihood Activities**

1. What are the common livelihood activities in this area?

2. From your experience, describe any changes in livelihood activities in the last 30 years, if possible explain
3. In your opinion, what factors are responsible for the changes in livelihood activities in this area?
4. In your opinion, what challenges do the communities face in carrying out their livelihood activities in this area?
5. What, in your view, could be done to alleviate these challenges?
6. Are there any regulations, policies and laws set up by county and national government that assist communities in livelihood activities? If yes, kindly mention them

### **Coping Strategies**

1. From your experience, describe how the local communities apply any coping strategies during extreme climate events
2. Describe any, initiatives that cushion households against loss of livelihoods during extreme climate events?
3. What are the main intervention measures put into place by your organization to help cope with extreme climate events?
4. What challenges does your organization face in making livelihood projects sustainable?
5. In your opinion, what measures can be put in place to ensure that livelihoods in this area are sustainable?

### **Climate Change Mitigation Strategies**

1. Identify the mitigation actions per sector relevant to the ward

### **Enabling Legislative and Institutional Framework**

1. Name some institutions working on addressing impacts of climate change in your ward and some of the activities they carry out

### **List of ward climate change committees**

### **Stakeholders Responsible for Climate Change Adaptation and Service Delivery in the ward**



## TURKANA COUNTY GOVERNMENT PARTICIPATORY CLIMATE CHANGE VULNERABILITY RISK ASSESSMENT – FGD GUIDE

### **TOOL I (a): Group Interview with community members with a focus on ecosystems profile, observed climate changes and impacts on ecosystems and agriculture**

|                          |  |
|--------------------------|--|
| <b>Ecosystem Profile</b> | <p>What are the main natural assets available in your community? What is the state of these natural assets (level of environmental degradation and resource depletion)?</p> <p>Depending on the case study, the following natural resources should be explored:</p> <ul style="list-style-type: none"> <li>• marine and coastal ecosystems;</li> <li>• coastal erosion and inundation</li> <li>• water resources and hydrology; seasonal variation in water availability (e.g., rivers, groundwater);</li> <li>• water quality, forests and vegetation cover,</li> <li>• and observed changes soils and soil nutrient status, land use and drivers of change biodiversity</li> <li>• wildlife resources</li> <li>• Mining</li> </ul> <p>What is the access of the community to water for drinking and irrigation, productive land (e.g., for agriculture and livestock), or water resources?</p> <p>To what extent the community depends on natural resources for livelihood?</p> <p>Are there any environmental issues in this community such as erosion, deforestation, pollution of water resources (e.g., from agriculture), illegal fishing, expansion of agricultural land, 'slash-and- burn' practices?</p> |
|--------------------------|--|

|  |  |
|--|--|
| <b>Impact of observed climate change on ecosystems</b>   | <p>Explore people's perception for changes in local climate. Some examples:</p> <ul style="list-style-type: none"> <li>• Do you think that temperatures are changing? Is it now cooler or warmer than before?</li> <li>• How are seasons changing? Is the rainy season getting shorter or longer compared to 20–30 years ago? Is it raining when it is not supposed to rain nowadays?</li> <li>• Do you think that sea level is rising? Can you recall if the coastline was wider before? How does this affect your livelihood?</li> <li>• Can you recall some major hazards experienced in your area (e.g., floods, droughts, locust, heat waves)?</li> </ul> <p>For each of the observed changes/hazards, ask how this has affected the environment and ecosystems including:</p> <ul style="list-style-type: none"> <li>• crops production, fisheries and livestock</li> <li>• soil and land productivity (short- and long-term effects)</li> <li>• water quality and availability, overall access to water for drinking and irrigation</li> <li>• forests and biodiversity</li> <li>• Wildlife</li> <li>• aquatic ecosystems</li> </ul> <p>Afterwards, try to find out what does the community do in response to the observed changes and hazards.</p> |
| <b>Draw a simple table on a large paper/on a flip chart and summarize the obtained information into main points using the above suggested outline.</b> |  |

**TOOL I (b): Group interview with community members with focus on socio-economic profile, observed climate changes and impacts on livelihood.**

|                               |   |
|-------------------------------|---|
| <b>Socio-economic profile</b> | <p>Main productive sectors (agriculture, fisheries, business/industries) Level of household income diversification and overall food security of the community</p> <p>Agriculture sector profile information such as:</p> <ul style="list-style-type: none"> <li>• Dominant form of farming (small, medium or large farms)</li> <li>• Main agricultural production and level of crops diversification</li> <li>• Livestock</li> <li>• Fisheries</li> <li>• Mining</li> <li>• Economic dependency on specific production (e.g., rice or certain type of fish)</li> <li>• Financial capacity such as access to credit, loans and insurance. Social issues such as access to education and health care,</li> <li>• Migration.</li> <li>• Cultural marriage ceremonies</li> <li>• Family institutions</li> </ul> |
|-------------------------------|---|

|  |  |
|--|--|
| <p><b>Impact of observed climate change on livelihood and productive sectors</b></p> | <p>Explore people's perception for changes in local climate. Some examples:<br/> Do you think that temperatures are changing? Is it now cooler or warmer than before?<br/> How are seasons changing? Is the rainy season getting shorter or longer compared to 20–30 years ago? Is it raining when it is not supposed to rain nowadays?<br/> How changes in rainfall and temperatures are affecting the main socio-economic activity</p> <ul style="list-style-type: none"> <li>• <b>Seasonal calendars changing (Traditional naming of months in a seasonal calendar changing) why?</b></li> </ul> <p>Do you think that lake level is rising? Can you recall if the coastline was wider before? How does this affect your livelihood?<br/> Can you recall some major hazards experienced in your area (e.g., floods, droughts, cyclones, heat waves)?</p> <p>For each of the observed changes/hazards, ask how this has affected the social and economic life of the community including:</p> <ul style="list-style-type: none"> <li>• income generation and food security, poverty levels and migration</li> <li>• the productive sectors (e.g., agricultural production loss in a short- and long-term)</li> <li>• the health of the population</li> <li>• the access to education</li> <li>• Livestock production pattern</li> <li>• Fish breeding sites</li> <li>• Impact of CC on production patterns, fishing etc.</li> <li>• Give examples with relatable experiences</li> </ul> <p>Afterwards, try to find out what does the community do in response to the observed changes and hazards.</p> <p>Finally, ask respondents who are the most vulnerable people in the community such as minority groups and people with disabilities, or those living in a flood-prone area.</p> <p><b>Draw a simple table on a large paper/on a flip chart and summarize the obtained information into main points using the above suggested outline.</b></p> |
|--|--|



**Tool I (c): Group interview with community members with focus on infrastructure profile, observed climate changes and impacts on infrastructure**

|  |   |
|--|---|
| <b>Infrastructure profile</b>  | <p>Explore the community infrastructure, including what infrastructure, housing and public facilities are available, how are they maintained and are they resilient to climate hazards such as floods and droughts. Consider the following categories:</p> <ul style="list-style-type: none"> <li>▪ Housing including building materials, design and retrofitting status</li> <li>▪ Households access to water, sanitation and electricity, e.g., availability of drinking water infiltration wells, hand/motor pumps, tap water, roof-top harvesting systems, sanitation facilities</li> <li>▪ Main sources of energy and electrification status</li> <li>▪ Water infrastructure and facilities such as dams, canals, farm ponds, irrigation and drainage systems of agricultural fields</li> <li>▪ Road infrastructure and accessibility</li> <li>▪ Flood control/protection infrastructure such as drainage systems, dykes, elevated evacuation routes</li> <li>▪ Disaster-resilient infrastructure for storage of food and seeds/grains, and shelters for livestock</li> </ul> <p>Access to, and availability and condition of hospitals and public health centres</p>  |
| <b>Impact of observed climate change on infrastructure</b>   | <p>Explore people's perception for changes in local climate. Some examples:</p> <ul style="list-style-type: none"> <li>▪ Do you think that temperatures are changing? Is it now cooler or warmer than before?</li> <li>▪ How are seasons changing? Is the rainy season getting shorter or longer compared to 20–30 years ago? Is it raining when it is not supposed to rain nowadays?</li> <li>▪ Do you think that lake level is rising? Can you recall if the coastline was wider before? How does this affect your livelihood?</li> </ul> <p>Can you recall some major hazards experienced in your area (e.g., floods, droughts, cyclones, heat waves)?</p> <p>For each of the observed changes/hazards, ask how this has affected the housing, infrastructure, public facilities and connectivity of the community. For example: were there many destroyed houses and roads? was the access to hospitals and schools affected? did you have access to water and electricity?</p> <p>Afterwards, try to find out what does the community do in response to the observed changes and hazards.</p> <p>Finally, ask respondents who are the most vulnerable people in the community such as minority groups and people with disabilities, or those living in a flood-prone area.</p> |
| <b>Draw a simple table on a large paper/on a flip chart and summarize the obtained information into main points using the above suggested outline.</b> |   |

**TOOL 1 (d): Focus group discussion with community members (women, girls, youth and special groups) to explore gender roles and vulnerabilities**

|  |   |
|--|---|
| <p><b>Understanding livelihood to create community profile</b></p> | <p>What are the main labour-related activities in your community? What kind of work men do? Is it paid? How much?<br/>         What do women do, and are they paid? How much?<br/>         The following aspects could be considered:</p> <ul style="list-style-type: none"> <li>• Productive roles: paid work (e.g., agriculture, employment and other income-generating activities), subsistence production</li> <li>• Reproductive roles: domestic work (water, fuel, cooking, market), childcare and care of the sick and elderly</li> <li>• Community-related activities/duties</li> </ul> <p>What are the main livelihood assets available in your community? Who has access to these resources – both men and women? How and why?<br/>         The following aspects could be considered:</p> <ul style="list-style-type: none"> <li>• Human assets: such as health services, education, skills/training</li> <li>• Natural assets: land, water, forest, fish, ecosystem service</li> <li>• Social assets: e.g., social networks, voluntary groups</li> <li>• Physical assets: housing and basic infrastructure (e.g., water, energy), transportation, communications</li> <li>• Financial assets: e.g., credit, loans,</li> <li>• Livestock ownership, production</li> <li>• Fisherfolks</li> <li>• Mining</li> <li>• insurance Who takes important decisions in your community?</li> </ul> <p>Are women involved in community decision-making? If ‘no’, why? If ‘yes’, in what way? (e.g., decision on the management of resources and community planning process)</p> |
| <p><b>Assessing current vulnerability</b></p>                      | <ul style="list-style-type: none"> <li>• What happens when there is flood/drought? How is the community affected?</li> <li>• How are men affected? How are women, elderly and children affected?</li> <li>• What do men usually do in such cases? What about women? What are their roles?</li> </ul>  |
| <p><b>Assessing future vulnerability</b></p>                       | <ul style="list-style-type: none"> <li>• What would happen in future when the local climate is getting warmer, and rainfall is changing (and lake level is rising)?</li> <li>• How would this affect men? What about women? Why?</li> </ul>   |
| <p><b>Identifying needs</b></p>                                    | <ul style="list-style-type: none"> <li>• Given the expected climate change, what are the needs of your community? What would help you to reduce the impact of climate change?</li> <li>• What do women need? What do men need?</li> <li>• The following aspects could be considered:</li> </ul>   |

|  |   |
|--|---|
|  | <ul style="list-style-type: none"> <li>• Women's and men's need to perform their productive (labour and income-related) and reproductive (family care) roles under the challenges of climate change</li> <li>• Long-term strategic perspective related to transformation of gender roles in family and community such as increased access to decision-making and resources</li> </ul> |
| <b>Draw a simple table on a large paper/on a flip chart and summarize the obtained information into main points using the above table.</b> |   |

## TOOL 2: PARTICIPATORY COMMUNITY AND RISK MAPPING

- Community mapping is used to indicate the spatial location of natural resources (main ecosystem services), land-use types (e.g., forest area, agricultural fields and residential areas), important community assets and infrastructure (e.g., roads, bridges, energy grid, water infrastructure and utilities), and other features.
- Hazard/risk mapping could be viewed as an extension of community mapping. It illustrates the hazard-prone locations, as well as people, ecosystems and assets most at risk of hazards such as floods. Other information that could be mapped include: safe areas/route to safe areas, and local capacities such as rescue posts.

The following specific issues could be drawn on the map:

- spatial location of natural resources and main ecosystem services
- land-use types (e.g., forest area, agricultural fields and residential areas)
- important community assets and infrastructure (e.g., roads, bridges, energy grid, water infrastructure and utilities)
- location of/access to emergency centres
- other features: location of/access to markets, schools, health facilities
- most at risk locations, assets and people, based upon community's experience from past disasters.

In addition, you can collect other information relevant to support the development of infrastructure and connectivity profile of the community. More specifically, community members could be asked to share their knowledge and experience about:

- Connectivity challenges during seasonal floods (if relevant to the case study)
- Access to early-warning systems.
- Access to telecommunications (radio, television and the Internet)
- Access to electricity and main sources of energy (e.g. hydropower energy, wood harvesting)
- Main sources of and access to drinking water, household water storage and sanitation facilities

### How to present the key findings to community?

Together with the produced map, prepare a summary of the obtained information in the form of bullet points (e.g., on a flip chart).

### **Tool 3: Developing community seasonal change calendar to identify observed climate changes and impacts on livelihood**

#### **What is a community seasonal change calendar?**

Developing a seasonal calendar together with communities is a useful tool to identify how recent climate changes affect community livelihood. The calendar could be developed by drawing a simple table on a large piece of paper/flip chart as shown below.

| Season (Length) | Month | Key events and names in local language (Annual Cycle) | Typical climate | Observed changes | Observed impacts |
|-----------------|-------|---|-----------------|------------------|------------------|
| Hot Season      |       |   |                 |                  |                  |
| Wet Season      |       |   |                 |                  |                  |
| Cool season     |       |   |                 |                  |                  |

#### **How to facilitate the process of developing community seasonal calendar and what issues should be explored?**

Draw the above table and ask people to list:

- Key events (column two), which relate to any significant for the life of a community event during a year such as planting and harvesting, start of school year or seasonal income generating opportunities. Ask what do men and women do, as well as children and elderly, throughout community's annual cycle.
- Climate indicators (columns three and four) could be temperatures, timing and intensity of rainfall, wind patterns, and types and occurrence of hazards. For example, to explore this you can ask the following questions:
  - Do you think that temperatures are changing? Is it now cooler or warmer than before?
  - How are seasons changing? Is the rainy season getting shorter or longer compared to 20–30 years ago? Is it raining when it is not supposed to rain nowadays?
  - Do you think that lake level is rising? Can you recall if the lacustrine (Shoreline) was wider before?  
How does this affect your livelihood?
  - Can you recall some major hazards experienced in your area (e.g., floods, droughts, cyclones, heat waves)?
- Observed impacts relate to any hardship or loss experienced by community due to observed changes such as disruption of the annual events cycle. For example, a shift/change in seasonal patterns could affect the growing period, while annual floods may disrupt access to school and affect small-scale producers. Ask about impacts on:
  - Impact on ecosystems (e.g., forest, soil, water resources)

- Productive sectors (e.g., agriculture, fisheries, livestock, local production)
- Transportation and connectivity (e.g., access to markets, schools, health services)
- Access to water and energy
- Health and social impacts (e.g., impacts on the poorest households, on women, youths, Special groups, children)

Remember:

- The objective is to identify how recent climate changes affect community livelihood
- Ask guiding questions but leave community members to fill the table on their own
- Ask people to provide examples as much as possible
- While community is filling the calendar, write down in detail what people say because this information will be used in the vulnerability assessment.

### **How to present the key findings to community?**

Together with the produced calendar, prepare a summary of the obtained information in the form of bullet points (e.g., on a flip chart)



## Tool 4: Developing a Potential Impact Pathways graph

What is a Potential Impact Pathways graph?

The potential Impact Pathways graph is a visual presentation of the complex relationship between projected climate changes, potential hazards and multiple primary and secondary impacts (see the example provided below).

How to facilitate the process?

Working in small groups, stimulate discussion using open-ended questions such as those suggested below.

- What would happen in future when the local climate is getting warmer, rainfall is changing (and the water level is rising)?
- How would this affect:
  - Environment and natural resources such as land/soil, water, forests, fish, etc.
  - Agriculture and food security
  - Local production, income and migration
  - Access to water and energy, and other services such as transportation and education
  - Health of people
  - Mining
  - Wildlife
  - Pastoralism
  - Fisheries
  - Livestock
  - Tourism
- How would this affect men? How would this affect women? How would this affect the elderly and children, special groups?

## Tool 5 Developing a Venn Diagram

Venn diagrams are used as a tool for mapping key stakeholders and analysing their decision-making power with the objective to explore institutional relationships in a village. Understanding the decision-making power, relationships and processes in a community could help to identify vulnerable groups (according to age, gender, socio-economic status, skills and abilities), potential conflict of interest in the context of climate change, and determine how local institutions can influence adaptation.

- Who are the decision makers/leaders? How many of them are women?
- Who are the most vulnerable/marginalised people in the community? Why?
- Are there community-based organizations? What roles do they play and are they supported by the community?
- What are the relationships between different actors in the community (what is dividing and connecting different actors)? What are the gender roles/norms?
- What factors influence the change in decision-making power?
- What actors are relevant to any identified tensions in the community?
- Are there any plans that identify vulnerable groups and have specific plans or activities to address them?

- Are any organisations or institutions working in the community to address the needs or requirements of vulnerable people? What are they doing/what services do they provide?
- Are there any self-help groups in the community?



# TURKANA COUNTY GOVERNMENT TOURISM, CULTURE, NATURAL RESOURCES, AND CLIMATE CHANGE

## INTERVIEW GUIDE ON DEVELOPMENT OF WARD CLIMATE CHANGE ACTION PLANS

### Introduction

This study is being conducted to help the County Government of Turkana in the development of the Ward Climate Change Action Plans 2023 – 2027 for Turkana County. This important process is being supported by stakeholders in partnership with the Ministry of Tourism, Culture, Natural Resources and Climate Change. This process follows the establishment of the relevant climate change policy frameworks and instruments, the Turkana County Climate Change Act 2021, section 31 (1) stipulates that *“The County Executive Committee Member shall in consultation with the steering Committee and relevant sectors and through a participatory process involving relevant stakeholders, formulate a County Climate Change Action Plan within one year of this Act coming into force.”* This is a participatory process that requires involvement of the public and all the relevant stakeholders involved in addressing climate change impacts. We therefore request your support by taking part in the interviews by providing information to help in development of the Climate Change Action Plans.

### Consent

Given the above background, do you agree to be interviewed and to take part in this activity?

|  |                       |
|--|-----------------------|
| <b>General Information:</b>                          |                       |
| County:  | Sub County:           |
| Ward:  | Sub Location/Village: |
| GPS Coordinates:<br>Latitude: _____ Longitude: _____ | Date:                 |
| Household Code:                                      |                       |

|   |  |
|---|--|
| <b>1.0 Respondent's Socio-Demographic Characteristics</b>   |  |
| Name of Respondent: _____   |  |
| 1.1 Are you the head of this household? 01 Yes [ ] 02 No [ ] (if yes skip to 1.3)                                       |  |
| 1.2 If no, what is your relationship with the household head?<br>01 Spouse, 02 Son 03 Daughter 04 Other (specify) _____ |  |
| 1.3 Gender of respondent:<br>1. Male [ ] 2. Female [ ]  | 1.4 How many members are in this household? _____<br>Male _____ Female _____ |

|  |
|--|
| <p>1.5 Respondent's Age bracket: (tick where appropriate)<br/> 01) &lt; 30 years <input type="checkbox"/> 02) 31-40 years <input type="checkbox"/> 03) 41-50 years <input type="checkbox"/> 04) 51-60 years <input type="checkbox"/> 5) 61 &gt; years <input type="checkbox"/></p>   |
| <p>1.6 How long have you lived in this area? (tick where appropriate)<br/> 01) &lt; 20 years <input type="checkbox"/> 02) 21-30 years <input type="checkbox"/> 03) 31-40 years <input type="checkbox"/> 04) 41-50 years <input type="checkbox"/> 5) 51 &gt; years <input type="checkbox"/></p>   |
| <p>1.7 What is your highest level of education?<br/> 1. Primary <input type="checkbox"/> 2. Secondary <input type="checkbox"/> 3. Tertiary (University/College) <input type="checkbox"/> 4. Other <input type="checkbox"/> specify _____</p>   |
| <p><b>2.0 Climate Variability and Rainfall</b></p>   |
| <p>2.1 Have you observed any changes in rainfall in the recent past? 01 Yes <input type="checkbox"/> 02 No <input type="checkbox"/> (if no skip to section 3)</p>  |
| <p>2.1.1 If yes, for how many years? _____</p>   |
| <p>2.1.1 If yes, what kind of change have you observed?<br/> 01. Increase in rainfall days in a season <input type="checkbox"/> 02 Decrease in rainfall days in a season <input type="checkbox"/><br/> 03 Rainfall coming late in the season <input type="checkbox"/> 04 Rainfall coming early in the season <input type="checkbox"/></p>  |
| <p>2.1.2 Which of the following statements are true about observed changes in rainfall in your area?<br/> 01 Rainfall has become more unpredictable <input type="checkbox"/><br/> 02 Drought episodes have become longer and more frequent <input type="checkbox"/><br/> 03 Any other observed changes <input type="checkbox"/> (Specify) _____</p>  |
| <p>2.2 Have these changes affected your economic activities in any way? 01 Yes <input type="checkbox"/> 02 No <input type="checkbox"/> (if no skip to Question 2.3)</p>  |
| <p>2.2.1 If yes, what changes have you observed?<br/> 01 Increase in fodder <input type="checkbox"/> 02 Decrease in fodder <input type="checkbox"/> 03 High farm yields <input type="checkbox"/><br/> 04 Low farm yields <input type="checkbox"/> 05 Increase in fish catches <input type="checkbox"/> 06 Decline in fish catches <input type="checkbox"/><br/> 07 Others <input type="checkbox"/> (Specify) _____</p>   |
| <p>2.3 What are the main impacts extreme climate events experienced in this area? (Multiple answers allowed)<br/> 01 Drought <input type="checkbox"/> 02 Floods <input type="checkbox"/> 03 Desert Locust <input type="checkbox"/> 04 Other <input type="checkbox"/> (Specify) _____</p>   |
| <p><b>4.0 Land Use and Land Use Change</b></p>   |
| <p>4.1 What are the main uses of land in this area?<br/> 01 Forest Land <input type="checkbox"/> 02 Shrub land <input type="checkbox"/> 03 Cropland <input type="checkbox"/> 04 Grazing land <input type="checkbox"/> 05 Settlement <input type="checkbox"/><br/> 06 Urban/Artificial <input type="checkbox"/> 07 Bare land <input type="checkbox"/> 08 Water body <input type="checkbox"/> 09 Others <input type="checkbox"/> (Specify) _____</p>   |
| <p>4.2 Based on your knowledge and experience for last 30 years, what was the original use of this land?<br/> 01 Forest Land <input type="checkbox"/> 02 Shrub land <input type="checkbox"/> 03 Cropland <input type="checkbox"/> 04 Grazing land <input type="checkbox"/> 05 Settlement <input type="checkbox"/><br/> 06 Urban/Artificial <input type="checkbox"/> 07 Bare land <input type="checkbox"/> 08 Water body <input type="checkbox"/> 09 Others <input type="checkbox"/> (Specify) _____</p>                    |
| <p>4.3 Has there been any change in the use of land in the last 30 years? 01 Yes <input type="checkbox"/> 02 No <input type="checkbox"/></p>   |
| <p>4.3.1 If yes, what are these changes?<br/> 01 Forest to Grazing Land <input type="checkbox"/> 02 Forest to Cropland <input type="checkbox"/> 03 Cropland to Forest <input type="checkbox"/><br/> 04 Shrub to cropland <input type="checkbox"/> 05 Grazing land to settlement <input type="checkbox"/> 06 Grazing urban <input type="checkbox"/><br/> 08 Grazing to cropland <input type="checkbox"/> 09 Others <input type="checkbox"/> (Specify) _____</p>   |
| <p>4.4 What are the main reasons for the changes in the use of the land?<br/> 01 Government Policies <input type="checkbox"/> 02 Rural Urban Migration <input type="checkbox"/> 03 Deforestation <input type="checkbox"/> 04 Reforestation <input type="checkbox"/><br/> 05 Livelihood diversification <input type="checkbox"/><br/> 07 Others <input type="checkbox"/> (Specify) _____</p>  |
| <p>4.5 How have the changes in the use of land affected your livelihood activities?<br/> 01 Increase in grazing land <input type="checkbox"/> 02 Reduction in grazing land <input type="checkbox"/> 03 Increased in farming activities <input type="checkbox"/><br/> 04 Decline in farming activities <input type="checkbox"/> 05 Increase in income <input type="checkbox"/> 06 Reduction in income <input type="checkbox"/><br/> 07 Other <input type="checkbox"/> (Specify) _____</p>                                   |
| <p><b>5.0 Household Livelihood Activities</b></p>  |
| <p>5.1 What is your main source of income?<br/> 01 Crop Farming <input type="checkbox"/> 02 Pastoralism <input type="checkbox"/> 03 Agro-pastoralism <input type="checkbox"/> 04 Fishing <input type="checkbox"/> 05 Business <input type="checkbox"/><br/> 06 Salary <input type="checkbox"/> 07 Wages <input type="checkbox"/> 08 Remittances <input type="checkbox"/> 09 Sale Charcoal <input type="checkbox"/> 10 sale of firewood <input type="checkbox"/><br/> 11 Other <input type="checkbox"/> (Specify) _____</p> |
| <p>5.2 What is the approximate monthly income for the household?</p>   |

|   |
|---|
| 1. < ksh 1000 [ ] 2. Ksh 1000 – 5000 [ ] 3. Ksh 5000 – 10000 [ ] 4. Ksh 10000 – 20000 [ ] 5. Ksh 20000 – 30000 [ ] 6. >ksh 30000 [ ]  |
| 5.2.1 Were you getting the same income in the recent past? (if yes skip to Question 5.3)  |
| 5.2.2 If no, approximately how much was your income per month?<br>1. < ksh 1000 [ ] 2. Ksh 1000 – 5000 [ ] 3. Ksh 5000 – 10000 [ ] 4. Ksh 10000 – 20000 [ ] 5. Ksh 20000 – 30000 [ ] 6. >ksh 30000 [ ]  |
| 5.3 Does your homestead have any livestock? 01 Yes [ ] 02 No [ ] ( if no skip to question 5.4)  |
| 5.3.1 If yes what type of livestock and how many?<br>01 Cattle < 10 [ ] 11-20 [ ] 20-30 [ ] >30 [ ]<br>02 Goat < 10 [ ] 11-20 [ ] 20-30 [ ] >30 [ ]<br>03 Sheep < 10 [ ] 11-20 [ ] 20-30 [ ] >30 [ ]<br>04 Camel < 10 [ ] 11-20 [ ] 20-30 [ ] >30 [ ]<br>05 Donkey < 10 [ ] 11-20 [ ] 20-30 [ ] >30 [ ]<br>06 Poultry < 10 [ ] 11-20 [ ] 20-30 [ ] >30 [ ]<br>07 Others [ ] (Specify) _____ |
| 5.3.2 Do you get any product from the livestock? 01 Yes [ ] 02 No [ ]   |
| 5.3.4 If yes, which products are these?<br>01 Meat [ ] 02 Milk [ ] 03 Eggs [ ] 04 Hide [ ] 05 Others (Specify) _____  |
| 5.3.5 Do you sell any livestock and livestock products? 01 Yes [ ] 02 No [ ]  |
| 5.3.5 How do you use the income from the sale of livestock and livestock products?<br>01 Purchase of food [ ] 02 Purchase of non-food items [ ] 03 Payment of school fees [ ]<br>04 Payment of hospital bills [ ] 05 Other [ ] (Specify) _____  |
| 5.4 Do you grow any crops in your homestead? 01 Yes [ ] 02 No [ ] (if no skip to question 5.5)  |
| 5.4.1 If yes, which are the main crops that you grow?<br>01 Maize [ ] 02 Beans [ ] 03 Sorghum [ ] 04 Millet [ ] 05 Green grams [ ] 06 Cowpeas [ ]<br>07 Vegetables [ ] 08 Fruits [ ] 09 Others [ ] (Specify) _____  |
| 5.4.2 How do you water your crops? 01. Rainfall [ ] 02. Irrigation [ ]  |
| 5.4.3 If irrigation, what is the main source of water?<br>01 Borehole [ ] 02 Shallow Well [ ] 03 River [ ] 04 Pipeline [ ] 05 Dams and Pans [ ]<br>06 Natural Springs [ ] 07 River Wells [ ] 08 Others [ ] (Specify) _____  |
| 5.4.4 Do you normally sell the harvest? 01 Yes [ ] 02 No [ ]  |
| 5.4.5 If yes, how do you use the income from the sale of crop harvest?<br>01 Purchase of food [ ] 02 Purchase of non-food items [ ] 03 Payment of school fees [ ]<br>04 Payment of hospital bills [ ] 05 Other [ ] (Specify) _____  |
| 5.5 Is there anybody in your household who is engaged in any form of employment?<br>01 Yes [ ] 02 No [ ] (if no skip to question 5.6)   |
| 5.5.1 If yes, what kind of employment and how many?<br>01. Permanent [ ] < 2 [ ] 2-3 [ ] 3-4 [ ] >4 [ ]<br>02. Casual [ ] < 2 [ ] 2-3 [ ] 3-4 [ ] >4 [ ]<br>03. Self [ ] < 2 [ ] 2-3 [ ] 3-4 [ ] >4 [ ]<br>04. Others [ ] (Specify) _____   |
| 5.5.2 How is the income from employment used?<br>01 Purchase of food [ ] 02 Purchase of non-food items [ ] 03 Payment of school fees [ ]<br>04 Payment of hospital bill [ ] 05 Other [ ] (please specify) _____   |
| 5.6 Does your household practice fishing? 01 Yes [ ] 02 No [ ]  |
| 5.6.1 In a normal day, how many Kilograms of fish do you catch?   |
| 5.6.2 Do you sell your catch? 01 Yes [ ] 02 No [ ]  |
| 5.6.3 If yes, how do you use the income from the sale of fish?<br>01 Purchase of food [ ] 02 Purchase of non-food items [ ] 03 Payment of school fees [ ]<br>04 Payment of hospital bills [ ] 05 Other [ ] (Specify) _____  |
| 5.7 Has your household always been practicing livelihoods mentioned above? 01 Yes [ ] 02 No [ ] (if yes skip to section 6.0)  |
| 5.7.1 If no, what livelihood activities were you practicing previously?   |
| 5.7.2 What made you change your livelihood activities?  |
| <b>6.0 Household Coping Strategies /Climate Change Adaptation</b>   |
| 6.1 Does your household experience any challenges in productivity during extreme climate events?<br>01 Yes [ ] 02 No [ ] (if no skip to 6.3)  |
| 6.2.1 If Yes What kind of challenges do you experience? (Multiple answers allowed)<br>01 Livestock pests and diseases [ ] 02 Human diseases [ ] 03 Crop pests and diseases [ ]<br>04 Conflicts with neighboring community [ ] 05 Other [ ] (please specify) _____   |



|   |  |
|---|--|
| <p>6.3 What alternative activities does your household engage in to survive extreme climate events?</p> <p>01 Sell livestock <input type="checkbox"/> 02 Engage in other income generating activities <input type="checkbox"/></p> <p>03 Reduce expenses on non-essentials <input type="checkbox"/> 04 Withdraw children from school <input type="checkbox"/></p> <p>05 Sell household assets (electronics, furniture, bicycle, motorbike, sewing machine, etc.) <input type="checkbox"/></p> <p>06 Migration of entire household <input type="checkbox"/> 07 Migration of livestock <input type="checkbox"/> 08 Borrow money/food <input type="checkbox"/> 09 Remittances <input type="checkbox"/> 10 Other <input type="checkbox"/> (Specify) _____</p> |  |
| <p>6.4 Are there institutions in your area that assist your household against challenges of extreme climate events? 01 Yes <input type="checkbox"/> 02 No <input type="checkbox"/></p>  |  |
| <p>6.4.1 If yes, what category of institutions are they?</p> <p>01 National Government <input type="checkbox"/> 02 County Government <input type="checkbox"/> 03 Non-Governmental Organizations <input type="checkbox"/></p> <p>04 Community group <input type="checkbox"/> 05 Private Sector <input type="checkbox"/></p> <p>06 Other <input type="checkbox"/> (Specify) _____</p>   |  |
| <p>6.4.2 What type of assistance has been put in place by these organizations?</p> <p>01 Infrastructure development <input type="checkbox"/> 02 Cash transfer <input type="checkbox"/> 03 Market linkages <input type="checkbox"/></p> <p>04 Dissemination of timely weather information <input type="checkbox"/> 05 Capacity Building <input type="checkbox"/> 06 Aid (Food/seed) <input type="checkbox"/></p> <p>07 Other <input type="checkbox"/> (Specify) _____</p>  |  |
| <p>6.5 What challenges have you faced in accessing the assistance?</p> <p>01 Inadequate financial capital <input type="checkbox"/> 02 Inadequate training and information <input type="checkbox"/></p> <p>03 Little access to services <input type="checkbox"/></p> <p>04 Other <input type="checkbox"/> (Please specify) _____</p>   |  |
| <p>6.5.1 In your opinion what can be done to assist you to permanently avoid the above challenges?</p>  |  |
| <p>6.6 Do you belong to any social group (Chama)? 01 Yes <input type="checkbox"/> 02 No <input type="checkbox"/> (If no skip to section 7)</p>  |  |
| <p>6.6.1 If yes, how many of them?</p> <p>01 one <input type="checkbox"/> 02 two <input type="checkbox"/> 03 three <input type="checkbox"/> 04 more than three <input type="checkbox"/></p>   |  |
| <p>6.6.2 What is the main purpose for the social groups (chamas?) (multiple answers allowed)</p> <p>01 savings/Table banking/loans <input type="checkbox"/> 02 Social support (during weddings, circumcision, funerals) <input type="checkbox"/></p> <p>03 Other <input type="checkbox"/> (please specify) _____</p>  |  |
| <p><b>7.0 Water Sources</b></p>   |  |
| <p>7.1 In a normal season, where do you collect water from? (Multiple answers allowed)</p> <p>01 Boreholes <input type="checkbox"/> 02 Rivers <input type="checkbox"/> 03 Dams and Pans <input type="checkbox"/> 04 Wells <input type="checkbox"/> 05 Piped Water <input type="checkbox"/></p> <p>06 Springs <input type="checkbox"/> 07 Natural ponds <input type="checkbox"/> 08 River wells <input type="checkbox"/> 09 Other <input type="checkbox"/> (Specify) _____</p>   |  |
| <p>7.2 Do you get sufficient water for your daily needs from these sources? 01 Yes <input type="checkbox"/> 02 No <input type="checkbox"/></p> <p>(If yes, skip to question 7.3)</p>  |  |
| <p>7.2.1 If no, how do you supplement the deficit?</p>  |  |
| <p>7.3 Is the water source freely accessible by everyone? 01 Yes <input type="checkbox"/> 02 No <input type="checkbox"/></p> <p>(If yes skip to question 7.4)</p>   |  |
| <p>7.3.1 If no, what has to be done in order to access the water?</p>   |  |
| <p>7.4 Who is responsible for collecting domestic water in your household? 01 Males <input type="checkbox"/> 02 Females <input type="checkbox"/> 03 Both <input type="checkbox"/></p>   |  |
| <p>7.5 How far is water source from your household?</p> <p>01) 0-5 Km <input type="checkbox"/> 02) 6-10 Km <input type="checkbox"/> 03) 10-15Km <input type="checkbox"/> 04) &gt;15 Km <input type="checkbox"/></p>   |  |
| <p>7.6 On average, how long do you queue at the water source before fetching water?</p> <p>01 0-15 mins <input type="checkbox"/> 02 16-30 Mins <input type="checkbox"/> 03 31-45 Mins <input type="checkbox"/> 04 45-60 Mins <input type="checkbox"/> 05 &gt; 60Mins <input type="checkbox"/></p>   |  |
| <p>7.7 Do you buy water at the water source?</p> <p>01) Yes <input type="checkbox"/> 02) No <input type="checkbox"/></p>  | <p>7.8 If yes, how much is a 20 liters jerry can? _____</p> <p>1. &lt; Ksh 5 <input type="checkbox"/> 2. Ksh 5 – 10 <input type="checkbox"/> 3. Ksh 10 – 15 <input type="checkbox"/></p> <p>4. Ksh 15 – 20 <input type="checkbox"/> 5. &gt;Ksh 20 <input type="checkbox"/></p> |

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| <p>7.9 What are the main challenges experienced when accessing the water sources?</p> <p>01 Long distance trekking <input type="checkbox"/> 02 Drying up of the water source <input type="checkbox"/></p> <p>03 Competition with neighboring community <input type="checkbox"/> 04 Water quality <input type="checkbox"/></p> <p>05 Breaking down of water source <input type="checkbox"/> 06 Other <input type="checkbox"/> (please specify) _____</p>            |
| <p>7.10 Have you ever experienced conflicts over water resources? 01 Yes <input type="checkbox"/> 02 No <input type="checkbox"/> (if no skip to section 8)</p>   |
| <p>7.11 If yes, was the conflict resolved? 01 Yes <input type="checkbox"/> 02 No <input type="checkbox"/> (if no skip to section 8)</p>  |
| <p>7.12 If yes, how was the conflict resolved?</p>   |
| <p><b>8. Market Access</b></p>   |
| <p>8.1 What is the name of your nearest market?</p> <p>01 Lokichar <input type="checkbox"/> 02 Lodwar <input type="checkbox"/> 03 Kalokalar <input type="checkbox"/> 04 Turkwell <input type="checkbox"/> 05 Kainuk <input type="checkbox"/> 06 Lorugum <input type="checkbox"/></p> <p>07 Kerio <input type="checkbox"/> 08 Kalemngorok <input type="checkbox"/> 09 Katilu <input type="checkbox"/> 010 Other (Please Specify) _____ <input type="checkbox"/></p> |
| <p>8.2 How far is the market from your homestead?</p> <p>01) 0-5 Km <input type="checkbox"/> 02) 6-10 Km <input type="checkbox"/> 03) 10-15Km <input type="checkbox"/> 04) &gt;15 Km <input type="checkbox"/></p>  |
| <p>8.3 Do markets operate throughout the year? 01) Yes <input type="checkbox"/> 02) No <input type="checkbox"/></p>  |
| <p>8.4 If no, what are the main causes of market not to operate throughout the year?</p> <p>01 Conflicts/Insecurity <input type="checkbox"/> 02 Poor infrastructures <input type="checkbox"/> 03. Quarantine <input type="checkbox"/> 04. Commodities are not readily available <input type="checkbox"/></p> <p>05. Others <input type="checkbox"/> (Please Specify) _____</p>   |
| <p>8.5 What are the main food commodities sold in the market? (multiple answers allowed)</p> <p>01 Cereals (E.g. Maize and Beans) <input type="checkbox"/> 02 Livestock <input type="checkbox"/> 03 Livestock products <input type="checkbox"/> 04 Fish <input type="checkbox"/></p> <p>05 Others <input type="checkbox"/> (Please Specify) _____</p>  |
| <p>8.6 What are the main nonfood commodities sold in the market?</p> <p>01 Clothing <input type="checkbox"/> 02 Medicine <input type="checkbox"/> 03 Toiletries <input type="checkbox"/> 04 Construction Material <input type="checkbox"/></p> <p>05 Others <input type="checkbox"/> (Please Specify) _____</p>  |

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