Strengthening Technical and institutional Capacity sub-component is supporting the strengthening of the National Agricultural Research Systems’ (NARS) technical and institutional capacity to deliver climate smart agriculture technologies, innovations and management practices (TIMPs) for crops and livestock. It is also supporting the development of sustainable seed, breeding stock and fingerling delivery systems in Kenya.

3. Supporting Agro-weather, Market, and Advisory services
This component is supporting the development of agro-weather forecasting and dissemination tools as well as marketing information systems. The component has three sub-components.

Improving Agro-meteorological Forecasting and Monitoring sub-component is supporting the strengthening of agro-weather and climate information services, capacity building for agro-weather observation and forecasting and development of ability to operate and maintain agro-weather and market information services. The aim is to help farmers, agro-pastoralists and pastoralists make informed decisions on what to produce, when to produce, where and how to produce.

Developing Integrated Weather and Market Information System sub-component is supporting the development of analytical data (‘big data’) for strengthening market information systems and delivery of integrated weather and market advisory services using ICT as well as existing agricultural extension networks.

Building Technical and Institutional Capacity sub-component is supporting institutional and technical capacity building of both the national and the eligible county governments. Relevant autonomous agencies such as Kenya Meteorological Department (KMD), Kenya Agricultural and Livestock Research Organization (KALRO), as well as the Agricultural Statistics and Agricultural Insurance Units within the Ministry of Agriculture Livestock and Fisheries are also beneficiaries.

4 Project Coordination and Management
This component is supporting project coordination and management at both the national and county levels including annual work-planning and budgeting, financial management and procurement, human resource management, safety guards compliance, Management Information System, ICT, Monitoring and Evaluation, Impact Evaluation studies, Communication Strategy and citizen engagement, nutrition, gender and social inclusion and all other project decision making bodies.

5. Contingency Emergency Response
This component will support emergencies in the agricultural sector such as natural or man made disasters or severe economic shocks arising from extreme climate events including severe droughts, foods, disease outbreaks and land slide among others. The facility will be triggered through formal declaration of a national emergency by a government authority.

Project beneficiaries: 522,000 households of smallholder farmers, agro-pastoralists, and pastoralists will benefit from the project.

Project cost: The project cost is USD 279 M with USD 250 M from the World Bank and USD 29 M from the Government of Kenya

Implementing Agency: The Ministry of Agriculture Livestock and Fisheries is the main implementing Agency at the national level with the project anchored in the State Department of Agriculture. County governments are executing agencies.

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Agriculture is the mainstay of Kenyan economy contributing about 25% of the national gross domestic product, generating most of the country’s food requirements, 65% of exports and 60% of foreign earnings. The performance of the sector has however been highly volatile with frequent droughts and flooding attributable to climate change. To respond to this challenge, the Government has formulated the Kenya Climate Smart Agriculture Project (KCSAP) to address and reduce the negative effects of climate change on the citizens.

The Kenya Climate Smart Agriculture Project (KCSAP) is a Government of Kenya project jointly supported by the World Bank. KCSAP is to be implemented over a five year period (2017-2022) under the framework of the Agriculture Sector Development Strategy (2010-2020) and the National Climate Change Response Strategy (2010).

KCSAP Development Objective is to increase agricultural productivity and enhance copying mechanisms to climate change risks among the targeted smallholder farming and pastoral communities in Kenya, and in the event of an Eligible Crisis or Emergency, to provide immediate and effective response. This objective is to be achieved by focusing on:

a) Promoting sustainable community-driven rangeland management and improved access to quality livestock services in the ASALs;
b) Improving water and soil management, especially within smallholder maize systems in the marginal rainfall areas;
c) Supporting the generation and dissemination of improved agricultural technologies, innovations, and management practices (TIMPs); and building sustainable seed systems, and

d) Enhancing access to quality climate/agro-weather, advisory and market information services among farmers and herders for improved decision making.

The project is implemented through four components thus:

1. **Up-scaling Climate Smart Agricultural Practices**

   This component is supporting interventions that promote up-take of agricultural technologies, innovations, and management practices (TIMPs) by smallholder farming, agro pastoral, and pastoral communities in Kenya. The aim is to increase these communities productivity as well as enhance their capacity to cope with climate change risks.

   The component is implemented through three sub-components:
   - Building Institutional Capacity and Strengthening Service Delivery sub component is supporting institutional capacity building at county, ward and community levels to plan, implement, and monitor ward and sub-projects as well as community micro-projects. This entails:-
     - Strengthening the capacity of counties and wards to deliver agricultural services;
     - Supporting Climate Smart Agriculture (CSA) planning and prioritization at county and ward levels;
     - Contracting private advisory service providers to facilitate and steer beneficiary communities in micro-project planning and implementation processes;
   - Building Institutional Capacity and Strengthening Service Delivery sub component is supporting institutional capacity building at county, ward and community levels to plan, implement, and monitor ward and sub-projects as well as community micro-projects. This entails:-
     - Strengthening the capacity of counties and wards to deliver agricultural services;
     - Supporting Climate Smart Agriculture (CSA) planning and prioritization at county and ward levels;
     - Contracting private advisory service providers to facilitate and steer beneficiary communities in micro-project planning and implementation processes;
   - Facilitating community institutions such as the Community Driven Development Committees in order to perform their mandate.

2. **Supporting Climate Smart Agricultural Research and Innovations**

   This component is supporting demand driven and collaborative climate smart agriculture research as well as the development of sustainable seed systems. It is implemented through three sub components;

   - Supporting Climate Smart Agricultural Research and Innovations sub-component is financing collaborative research programs to develop technologies, innovations and management practices for climate smart crop varieties, livestock breeds, aquaculture, land, water, agro-forestry, sustainable bio-energy and socio-economic research.

   - Building Competitive and Sustainable Seed Systems sub-component is supporting crop, livestock and aquaculture breeding programs. It is also promoting private sector and community involvement in the production and distribution of commercial seed for crop varieties, livestock breeds and fingerlings. This includes support for community-based seed system (CBOs), Farmer Based Organizations (FBOs), NGOs as well as emerging seed companies interested in establishing seed production and distribution retail network on climate smart varieties and breeds.