



## Kilimo Trust Consultancy to undertake Country Digital Agriculture and Adaptation Profile for Tanzania.

### 1. Background:

The Global Center on Adaptation (GCA) and the African Development Bank (AfDB) joined forces to develop the Africa Adaptation Acceleration Program (AAP). The AAP focuses on four action areas (pillars) that collectively address Africa's adaptation priorities and are shaped to fit identified niches that provide key opportunities to drive adaptation through transformative and innovative action. One of the core businesses of this program is to ensure the uptake and upscale of digital solutions to address climate adaptation and strengthen resilience of producers.

Digital Agricultural and Adaptation Profile contributes to assessing the readiness of countries for digital agriculture and adaptation transformation. It provides holistic review of digital transformation articulated around six topics: the extent of climate challenges and adaptation potentials, digital infrastructure, digital penetration, policy and regulation, business environment, human capital, and agro innovation.

Through its collaboration with the Multilateral Development Banks (MDBs) and other development partners, GCA felt a strong need to extend digital agriculture and adaptation profiles to a larger number of countries across the continent. More, this initiative will for instance support AfDB's recently approved US\$1.5 billion African Emergency Food Production Facility (AEFPF), to support countries in addressing disruption of food supplies arising from the Russia-Ukraine war. The main goal is to help countries to sustainably scale local production by at least 30 million metric tons of food, especially wheat, maize, and soybeans imported from both countries. Most AEFPF projects will use digital platforms for delivery of inputs to farmers.

In supporting the development of DAP, GCA is working with partners to plug the gaps in the information needed to provide contextual understanding of background issues, and to ensure that investments in climate adaptation projects are designed and founded on sound and robust information that provide adequate context of focal/selected countries. Its from the above backdrop that GCA has contracted Kilimo Trust to undertake Country digital profiling for Tanzania.

## 2. Goal and Objectives of the consultancy

Overall goal of the program is to create a Digital Agriculture and Adaptation Profile (DAP) for Tanzania. Specifically, respond to the question of how DCAS can be mainstreamed in implementing the adaptation options and pathways in the National Agriculture Policies, and for the agricultural sector in Tanzania.

The study will cover the main selected value chains and it will be done in below selected region in Tanzania:

S/N	ZONES	REGIONS
1.	Lake Zone	Mwanza and Shinyanga
2.	Coastal Zone	Dar es salaam, Zanzibar and Morogoro
3.	Southern highland	Mbeya, and Iringa
4.	Southern zone	Ruvuma region
5.	Central Zone	Dodoma, Kigoma
6.	Northern Zone	Arusha and Manyara

The assignment will be executed in four main phases (Inception Phase, desk-based research phase, Primary research and Reporting and Validation Phase). The profiling, business cases assessment will be designed to respond to key research questions as captured by the TOR.

S/N	Objective	Methodology	Deliverable
1.	Undertake overview of the agricultural economy of the country, the main value chains, and key challenges facing each of the value chains	Desk review and key informant interview	Literature review report, data collection tools and the inception report
2.	Analysis of climate vulnerability of major agricultural value chains (crop and livestock) in the country, including assessment of the scope/degree of climate risks to the various subsectors and value chains of the country, and evaluation of roles that digital tools can play to address these risks.	Desk review	Literature review report and inception report
3.	Evaluation of the landscape of digital tools and platform in agriculture for mitigation and/or adaptation (infrastructure, tools, enabling environment, institutions, policies, services).	Desk review and key informant interview, FGD	Draft and final report
	<ul style="list-style-type: none"> <li>Summary and analysis of the state of play and level of digitalization of the economy, with particular attention to the agriculture sector and adaptation to climate change.</li> <li>Business cases of DCAS for both farmers and digital companies</li> </ul>		

	<ul style="list-style-type: none"> <li>Existing capacity for digital transformation</li> <li>Going the last mile - dealing with gender and other inequalities in access to DCAS.</li> </ul>		
4.	Mapping of existing and promising initiatives related to DCAS in the country, governing policies, control measures and national standards for CDAS if any.	Desk review and key informant interview	Draft and final report
5.	Identifying key players (public, private, non-profit, international community) across value chains, in digital agriculture and DCAS in the country as well as their roles and solutions. Asses the level of investments to support farmers decision making using DCAS	Desk review and key informant interview	Draft and final report
6.	Assessing the challenges, barriers and opportunities to the investment, adoption, and scaling of DCAS.	Desk review and key informant interview, FGD	Draft and final report
7.	Provide business case for DAP in relation to investment operations	key informant interview, FGD	Draft and final report
8.	financial and technical implications/model for building and implementing digital platforms for delivery of inputs to farmers.	Key informant interview, FGD	Draft and final report
9.	Identifying and prioritizing promising digital climate adaptation solutions that are applicable to help producers in adapting to climate change and in building better resilience across value chains	Desk review and key informant interview, FGD	Draft and final report
10.	Proposing clear actions for leveraging potential of DCAS into investments from different stakeholders and building national database systems (data system) that integrates all the DCAS information for public uses.	Desk review and key informant interview, FGD	Draft and final report

Kilimo Trust Tanzania is therefore seeking to recruit suitable Associates to conduct the following key activities.

- i) Undertake overview of the agricultural economy of the country, the main value chains, and key challenges facing each of the value chains
- ii) Analysis of climate vulnerability of major agricultural value chains (crop and livestock) in the country, including assessment of the scope/degree of climate risks to the various subsectors and value chains of the country, and evaluation of roles that digital tools can play to address these risks
- iii) Mapping of existing and promising initiatives (tools and platforms) related to DCAS in the country.
- iv) Identifying key players (public, private, non-profit, international community) across value chains, in digital agriculture and DCAS in the country as well as their roles and solutions, governing policies, control measures and national standards for CDAS if any.
- v) Assessing the challenges, barriers and opportunities to the investment, adoption, and scaling of DCAS as well as asses the level of investments to support farmers decision making using DCAS

- vi) Provide business case for DAP in relation to investment operations
- vii) financial and technical implications/model for building and implementing digital platforms for delivery of inputs to farmers
- viii) Identifying and prioritizing promising digital climate adaptation solutions that are applicable to help producers in adapting to climate change and in building better resilience across value chains
- ix) Proposing clear actions for leveraging potential of DCAS into investments from different stakeholders and building national database systems (data system) that integrates all the DCAS information for public uses.

### 3. Expected Deliverables:

The Associate(s) will deliver the following:

- a) Report on desk review of the status of digital climate adaptation in Tanzania; identifying opportunities, challenges and threats.
- b) Approved tools for primary data collection
- c) Submitted draft digital profile for Tanzania.
- d) Approved report of the digital profile for Tanzania
- e) Raw data sets from the primary data collection

### 4. Timeline:

The consultancy will be completed within the period of 2 months, effective from 15<sup>th</sup> April to 15<sup>th</sup> June 2023.

### 5. Associate's Profile: Skills, Experience and Qualifications

- A minimum of a degree in Agricultural Economics, Agribusiness Management, ICT in agriculture, Monitoring and Evaluation, Statistics or any other related field.
- Possession of a master's degree will be an added advantage.
- A minimum of 3 years' experience conducting digital profiling consultancies and experience in conducting surveys, analyzing, synthesizing, and presenting information/Reports is a MUST.
- The Associate must possess significant evidence of academic and experiential background in digital profiling, policy analysis and implementation. Preferably the Associate should also have academic and experiential background in IT.
- A solid and diverse experience in research, monitoring and evaluation of projects and/or Programmes at national level. Previous knowledge of conducting and documenting lessons learned sessions is essential.
- Have working experience in Tanzania and the East African Community

### 6. Rights and Confidentiality

The Kilimo Trust reserves the right to reject or cancel any proposal without showing any reason. During this assignment, all materials produced shall remain the property of Kilimo Trust and cannot be used by the service provider for a purpose other than agreed upon by

both parties. The developed materials cannot be sold or used in any case without the prior permission of Kilimo Trust.

## 7. Intellectual Property

All information pertaining to this assignment (tools, interview guides, data, reports and others) which the Associate may come into contact with in the performance of his/her duties under this consultancy shall remain the property of the KT and the organization (KT) shall have exclusive rights over their use. Except for purposes of this assignment, the information shall not be disclosed to the public nor used in whatever way without the written permission of Kilimo Trust.

## 8. Safeguarding

The Associate is expected to follow Kilimo Trust safeguarding policies which include but not limited to integrity, accountability, ethical data collection processes, respect for beneficiary's privacy and protection.

## 9. Application Procedure

Application documents are required to be submitted online via email to: [recruitment@kilimotrust.org](mailto:recruitment@kilimotrust.org) before 5pm of 29<sup>th</sup> March 2023. Application documents MUST include the following:

- i) A letter stating why you consider yourself suitable for the assignment.
- ii) Brief technical proposal which includes methodology on the approach and implementation of the assignment, and the work plan for implementation of the assignment.
- iii) Updated CV highlighting qualifications and experience in similar projects
- iv) Work references - contact details (email addresses) of referees (firms for whom you've produced similar assignments).