



NATIONAL CLIMATE SMART AGRICULTURE (CSA) MONITORING AND EVALUATION FRAMEWORK AND AN ONLINE CSA REPORTING TOOL.



Alliance





Module outline



MODULE 1
Transparency
Reporting
Requirements



MODULE 2
Kenya Climate-
Smart Agriculture
M&E Framework



MODULE 3
Climate-Smart
Agriculture
Reporting tool



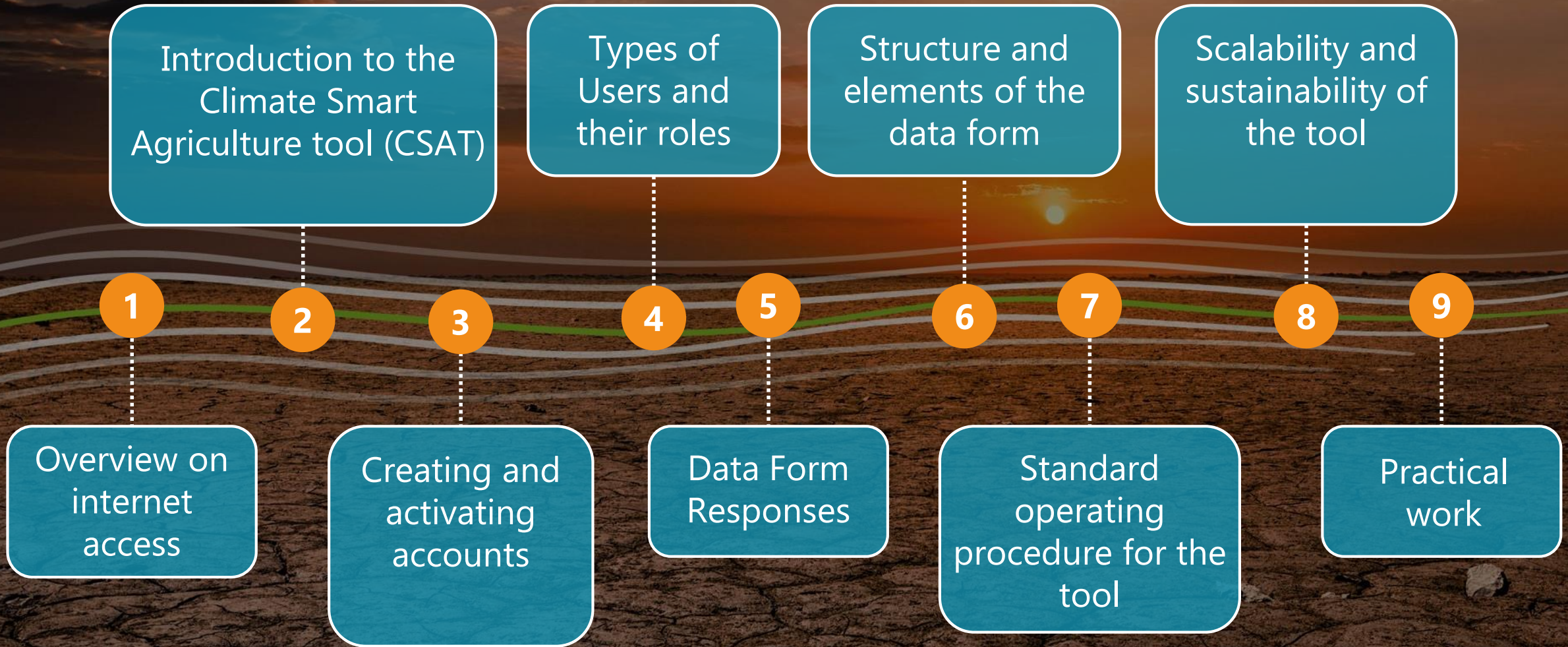
CLIMATE SMART AGRICULTURE REPORTING TOOL (CSAT)



Module 3 – CSA
Reporting Tool



Presentation Outline





●
**Overview on
internet access**



Overview on Internet Access

1

Browser: Is an application that can be used to access websites either using a computer or a mobile phone as shown below.



Chrome



Firefox



Safari



Edge



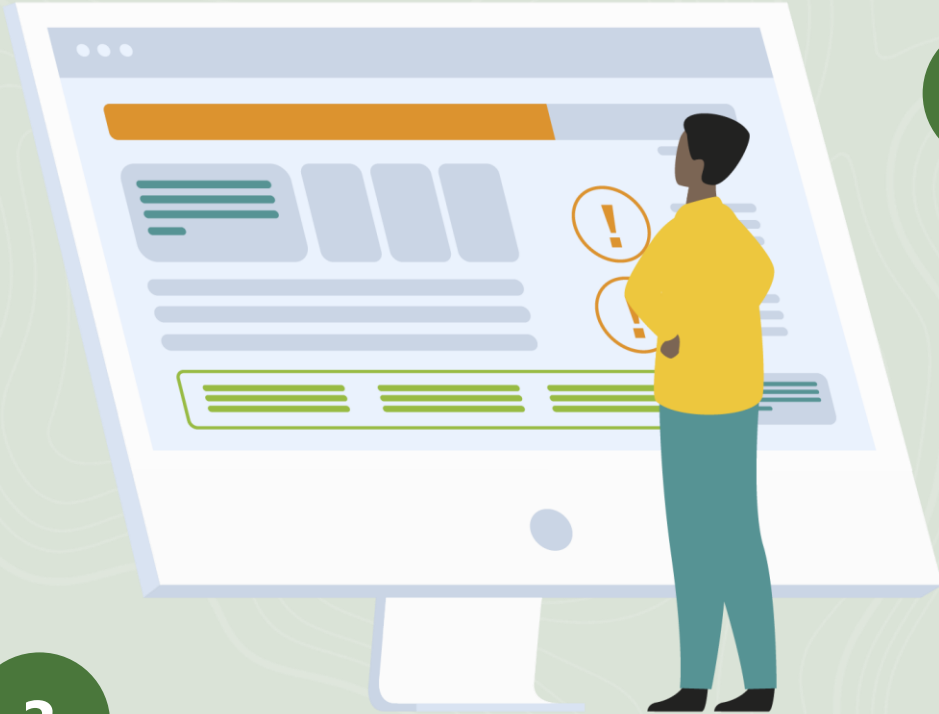
Opera



Internet Explorer

*Connect using
different
internet
browsers*





2

URL - Stands for a *Uniform Resource Locator*. A URL incorporates the domain name, along with other detailed information, to create a complete address (or “web address”) to direct a browser to a specific page online called a web page. In essence, it’s a set of directions and every web page has a unique one as shown below.

3

DOMAIN NAME: A domain name is a unique, easy-to-remember address used to access websites, such as 'alliancebioiversityciat.org', 'google.com', and 'facebook.com'.

DOMAIN NAME



<https://alliancebioiversityciat.org/stories/launch-kenya-climate-smart-agriculture-multi-stakeholder-platform-strategic-plan-kenya-csa>



URL



- **Introduction to the
Climate Smart
Agriculture tool
(CSAT)**



CSAT tool

- 1** The Climate Smart Agriculture reporting tool is **an innovative platform that was developed by partners drawn from government, private sector, research organizations, non-governmental organizations, civil society organizations and community-based organizations, based on the KCSAIF guidelines.**
- 2** **The tool was developed in response to the felt need for a digital Climate Smart Agriculture tool (CSAT)** for effective, efficient and transparent reporting of climate action in the agriculture sector.



CSAT tool

- 3 It is configured to accept data inputs from various sources and to store it in a centralized database for analysis and further action.
- 4 To facilitate the understanding and adoption of the tool by CSA-MSP stakeholders at national, county, sub county and ward levels, this module will provide background knowledge on the tool and a detailed step-by-step guide on how to use the CSAT online website reporting tool.



Usability of the CSAT



The online web application is designed for use by CSA-MSP stakeholders at county and national levels who serve as reporters, reviewers and administrators in climate action related projects.

The tool can be accessed using a variety of devices: tablets, laptops, desktops, and mobile phones if they have an internet connection.



However, it is important to note that **the tool cannot be used offline**. An online connection is required in order to access the tool and be able to submit data!



Usability of the CSAT

The main aim of the tool is to **support the reporting of data at national, county, sub county, and ward levels on CSA projects** to help in the tracking of progress of climate actions.

The **Kenya Climate Smart Agriculture Implementation Framework (KCSAIF)** sets the scope of this tool with requisite indicators to measure the advancement towards the goal, impact, output, and outcomes.





Types of Indicators

The indicators in the tool are organized in four main outcomes.



Outcome 1:
**Institutional
Coordination of
CSA Policy and
Implementation
Strengthened**



Outcome 2:
**Agricultural
Productivity and
Integration of
Value Chain
Approach**



Outcome 3:
**Building
resilience and
appropriate
mitigation
actions**



Outcome 4:
**Communication
systems on CSA
extensions and
agro-weather
issues**



Why the CSAT?

Accuracy

Ensures that the data collected is accurate and of high quality. Thus, it provides relevant and meaningful information that is aligned with the reporting objectives from the framework.

Ease of Use

The tool is user-friendly, accessible, and intuitive, making it easy for users to collect and enter data.

Scalability

The tool can handle large amounts of data and support growing data reporting needs.

Flexibility

The tool is customizable and flexible, allowing for changes to be made as needs evolve over time. Additionally, the tool allows creation of custom reports, allowing users to tailor reports to their specific needs and requirements.



Why CSAT?

1 Security: The data collection tool ensures that data is protected from unauthorized access and breaches. Thus, the tool ensures the security of data, protecting sensitive information and ensuring data privacy.

2 Collaboration: The tool allows for collaboration and sharing of data among multiple users, if necessary. This promotes transparency, accountability, and trust.

3 Integration: The tool is able to integrate with other systems, such as databases and data visualization tools, thus facilitating more comprehensive data analysis, and through its visualization options, allows for easy interpretation.





Getting started with CSAT

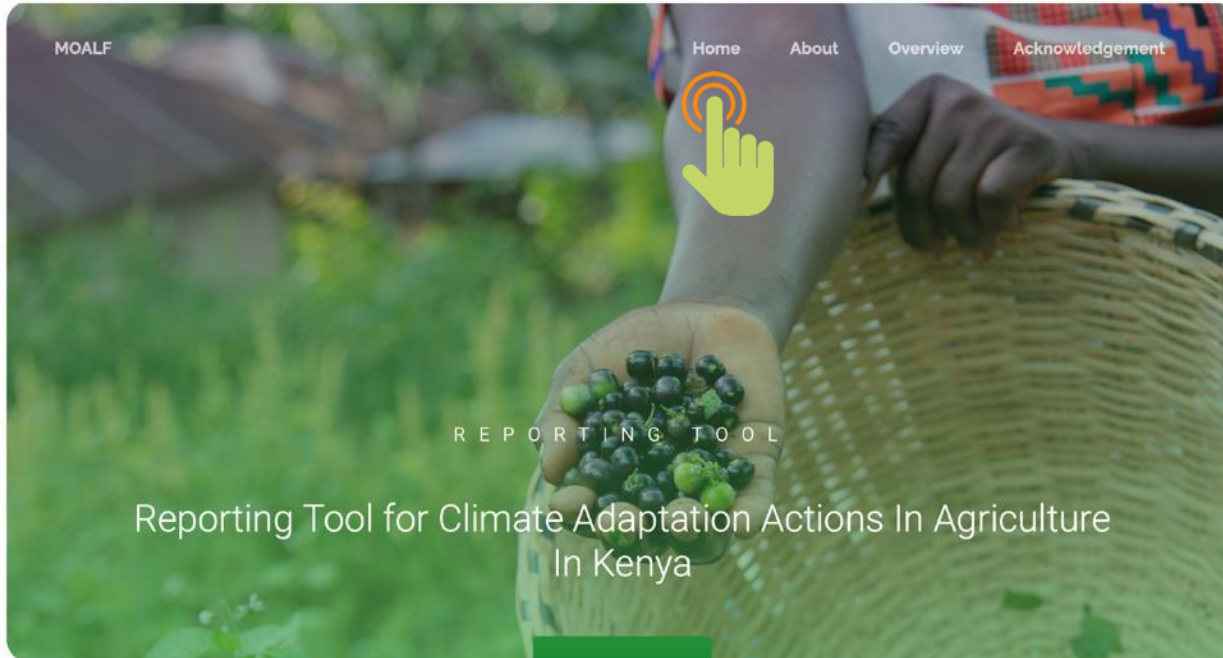
Access the website data collection tool by opening one of your browser applications and loading a URL:
<http://170.187.184.207:4200/#/home>

Once you are logged in, you will see a webpage with several options at the header with the following navigation tabs: **Home, About, Overview, Resources, Partnerships and Contacts** as shown on next slide on Homepage Window.





Description of the homepage

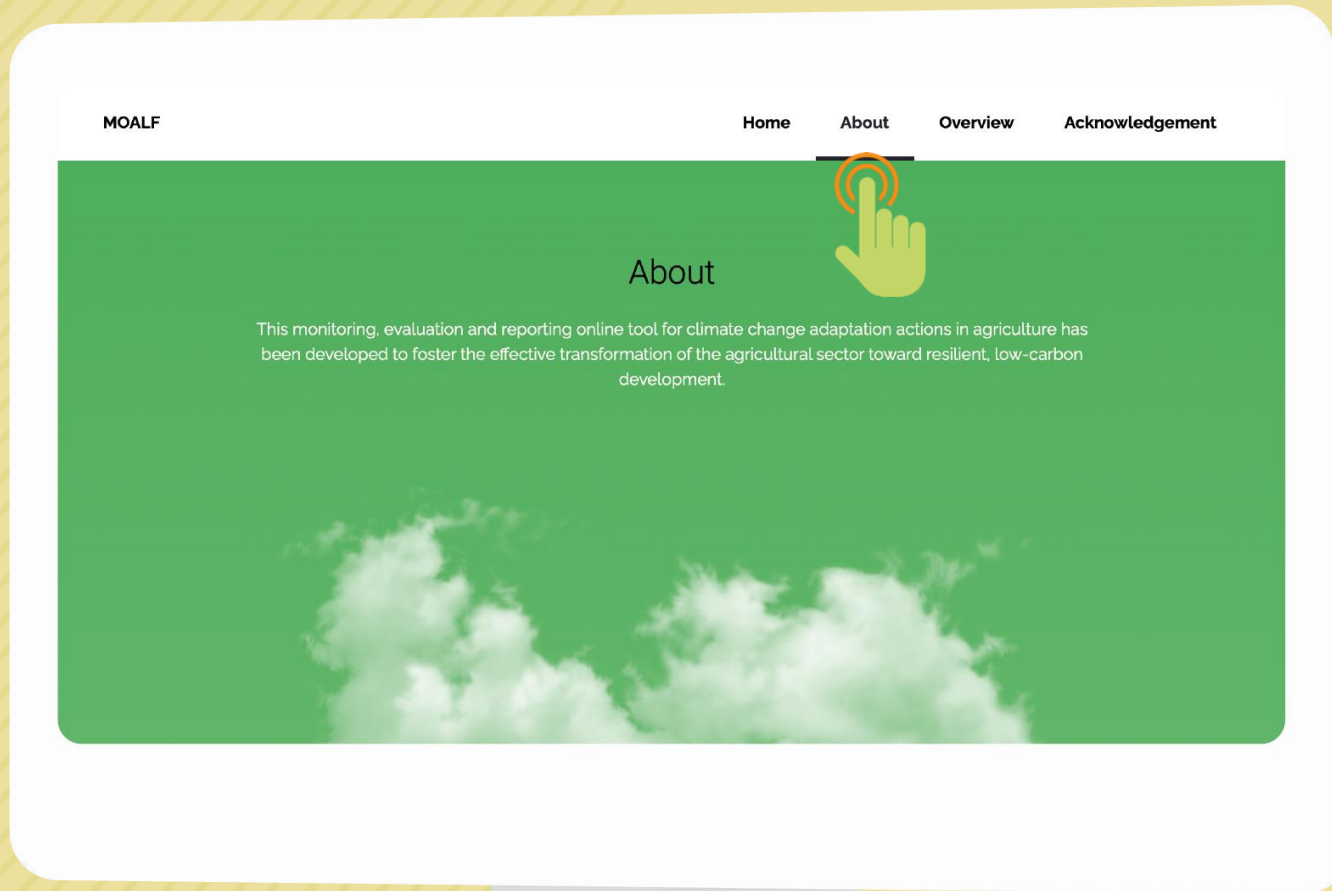


HOME TAB: This is typically the main landing page that you will be directed to upon visiting the site.

- It provides an overview of the site's purpose and content and includes links to other sections or pages within the site such as **About, Overview, Resources, Partnerships, Contact us, and a button to log in and access the data collection form.**
- Essentially, this tab provides summary information about the tool and the project.



Description of the homepage

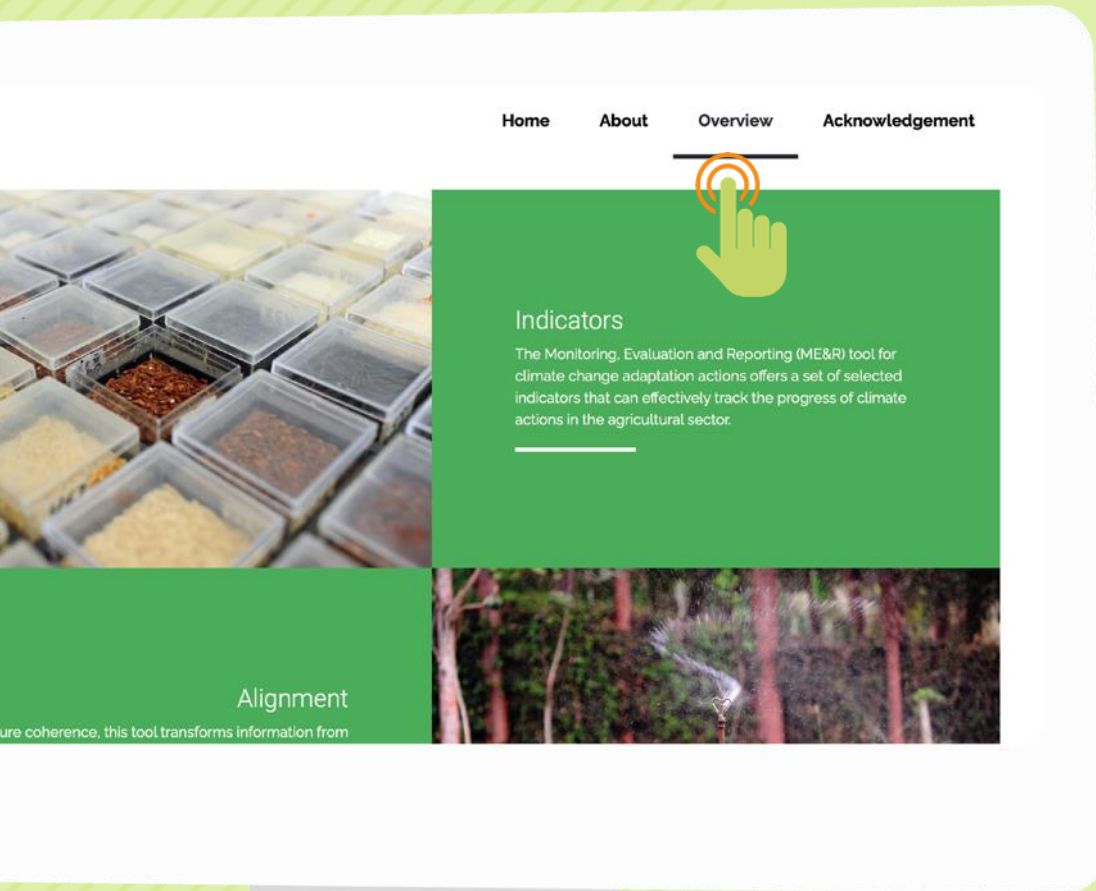


ABOUT TAB: This tab provides information regarding the website and key persons details such as creators, owners, or administrators.

- This tab gives an idea of the background and history of the website, as well as information about the partners behind its development.



Description of the homepage



OVERVIEW TAB: It is a summary of the main goals, objectives, and scope of the tool.

- **Framework:** Kenya climate smart agriculture monitoring and evaluation framework 2018-2027
- **Goal:** Advance towards a sustainable, long-term, low carbon, and climate-resilient national development plan that meets the aspirations of Vision 2033.
- **Scope:** This entails the creation of a tool that facilitates the development of a sustainable system for efficient and effective governance of climate resilient and low carbon growth in the agricultural sector.
- **Timeline:** The KCSAIF will be implemented from 2018 to 2027.



Description of the homepage

- 1 Key Deliverables:** One of the key deliverables include a website that is completely designed with improved user experience, increased website traffic, and higher customer engagement to enable effective, efficient and transparent reporting of indicators at county and national levels.
- 2 Responsibility:** The tool will be managed by the Climate Change Unit in the Ministry of Agriculture, Livestock Development on behalf of the CSA-MSP project partners at national and county levels. The partners consist of national and county governments, private sector, NGOs, CSOs, and CBOs among others.
- 3 Beneficiaries:** the main beneficiaries of this tool will be decision makers in the agricultural sector, donors, county and national governments, and UNFCCC national focal point.



Description of the homepage

RESOURCE TAB: This provides additional information and materials related to the main content or purpose of the website. This tab contains a variety of resources, including:



Downloadable files: such as PDFs, case studies, or other documents providing in-depth information about the tool and framework.



Links to external resources: this includes links to articles, blogs, or other websites that provide further information on the framework and tool.



Description of the homepage

RESOURCE TAB cont.



Videos: this includes tutorial videos, product demos that provides information and enhances the user's experience on the website.



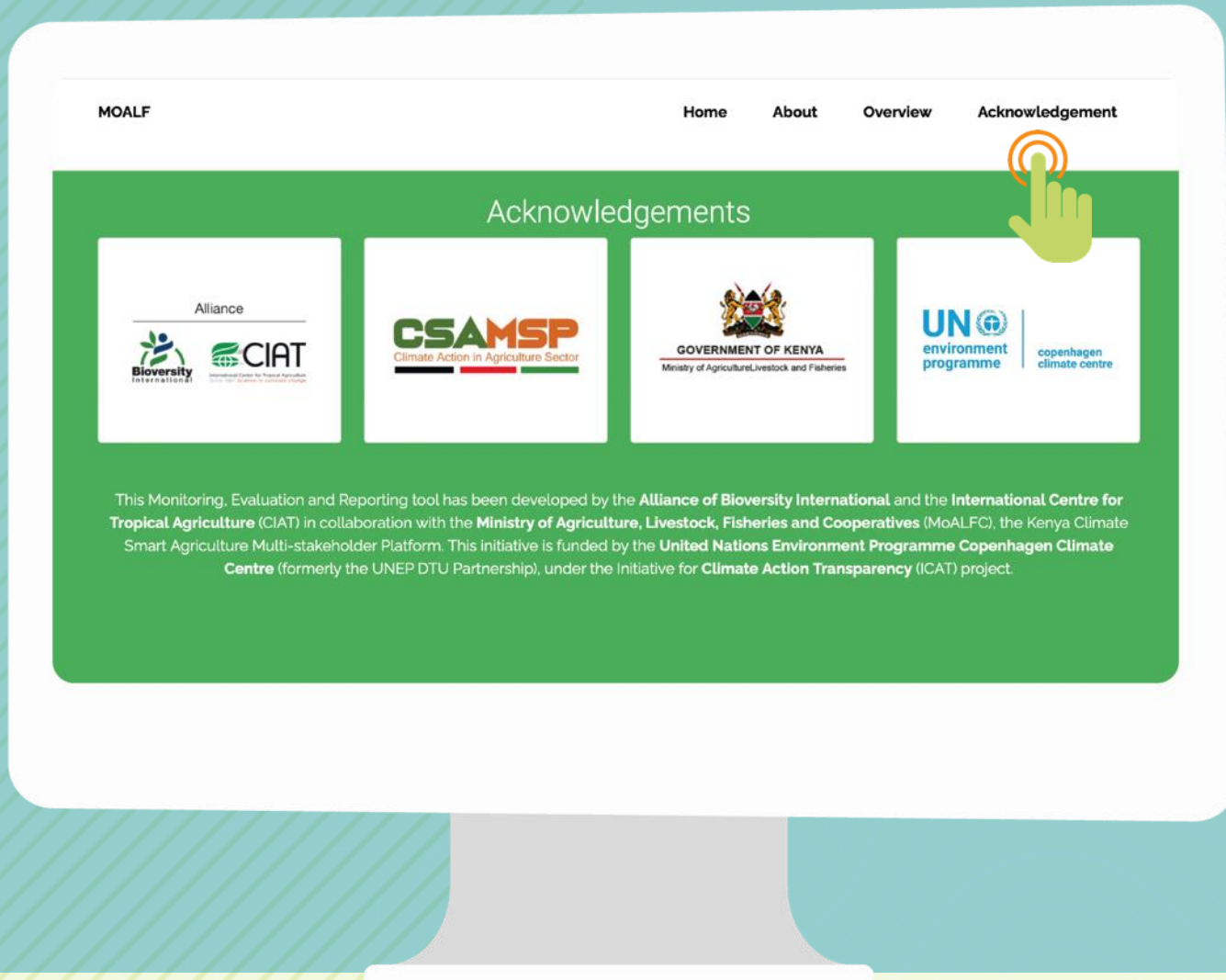
Images: this includes galleries, infographics, or other visual resources that provide additional information to support the main content.



Glossary: this includes a list of terms and definitions related to the subject matter of the website.



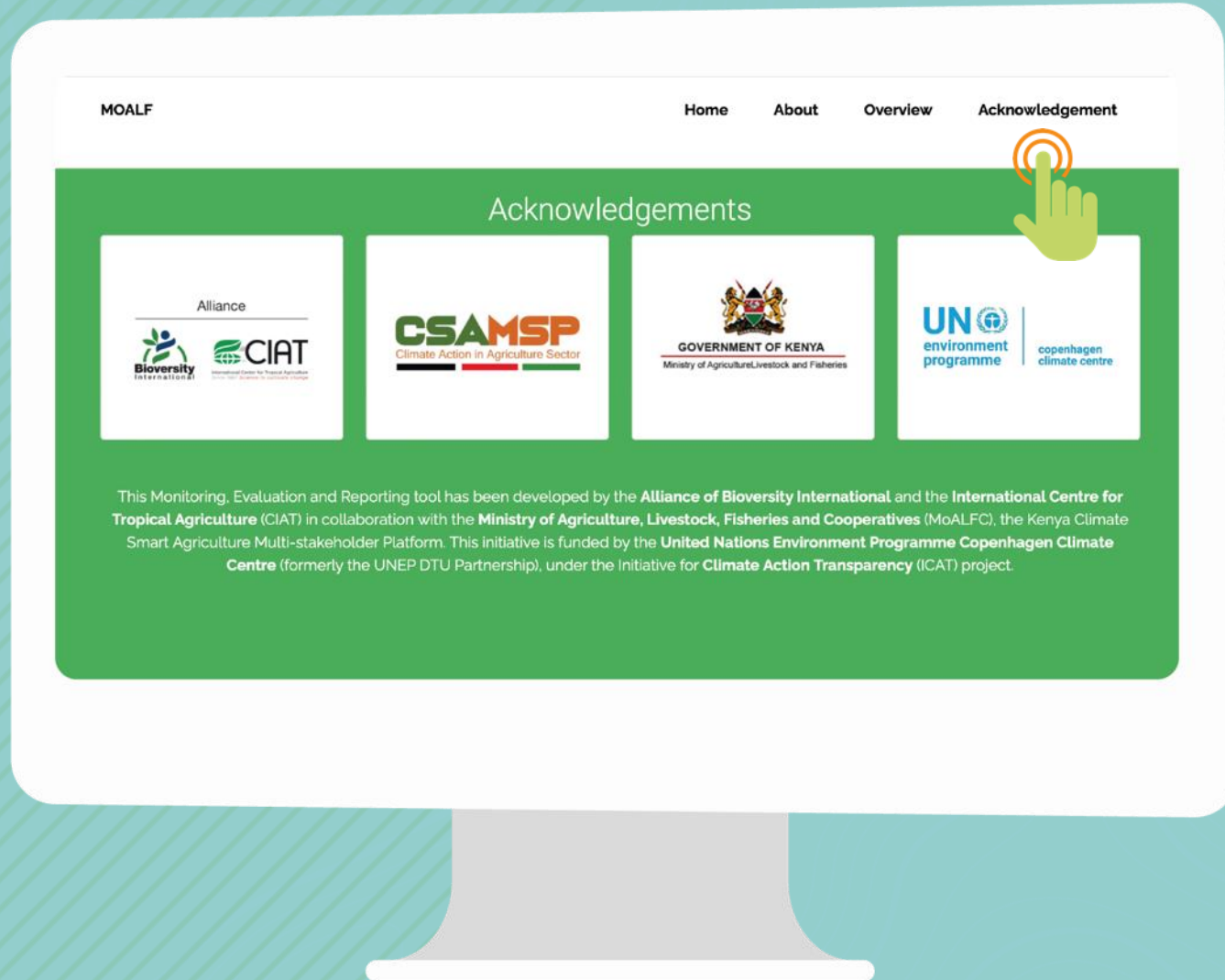
Description of the homepage



ACKNOWLEDGEMENT: This gives credit and recognition to individuals, organizations, or entities that contributed to the content, development of the tool, or support to the development of the website.

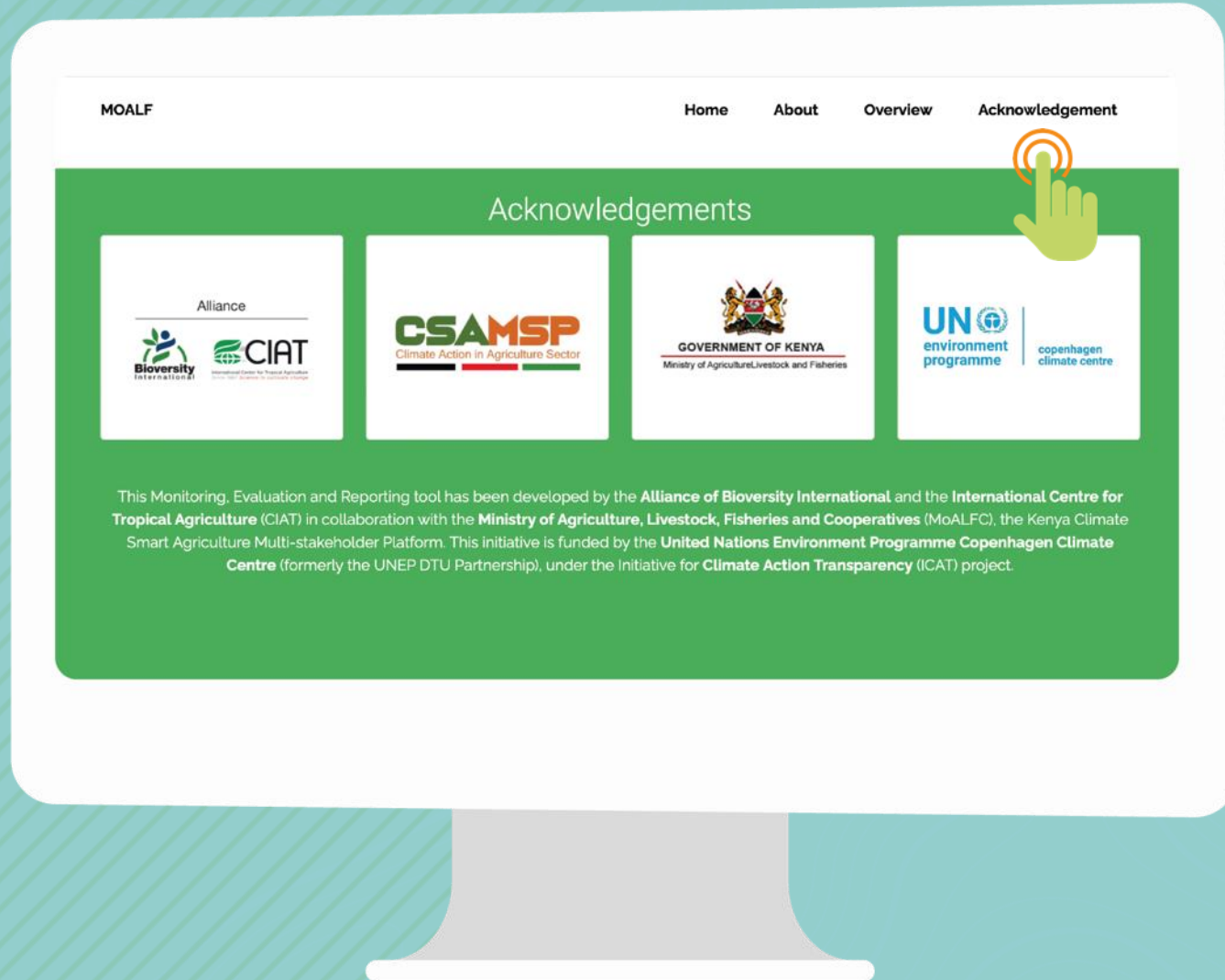
- **Contributors:** They include a list of individuals who have written articles, created videos, provided images or other content that is used on the website. They include climate action experts from government, research organizations, private sector, CSOs, CBOs, and NGOs.

ACKNOWLEDGEMENT Cont.



- **Partners:** They include a list of organizations, companies, or other entities that have partnered with the developers of the website to provide additional resources, information, or other forms of support. They include government, research organizations, private sector, CSOs, CBOs, and NGOs
- **Sponsors:** United Nations Environment Programme Copenhagen Climate Centre (formerly the UNEP DTU Partnership).

ACKNOWLEDGEMENT Cont.



- **Credits:** This can include a list of individuals or organizations that have provided technical support, design services, or other forms of assistance in the development and maintenance of the website. They are the Alliance of Bioversity International and the International Centre for Tropical Agriculture (CIAT) in collaboration with the Ministry of Agriculture, Livestock, Fisheries and Cooperatives (MoALFC), the Kenya Climate Smart Agriculture Multi-Stakeholder Platform.



Contact us tab

It is used to provide users with information on how to get in touch with the website owner, operator, or support team. This tab can contain a variety of information and resources, including:



Contact Form: This is a web form that users can fill out to send a message directly to the website owner or support team.



Email Address: This is an email address that users can use to send a message directly to the website owner or support team.



Contact us tab Cont.



Phone Number: This is a phone number that users can call to get in touch with the website owner or support team.



Mailing Address: This is a physical address that users can use to send mail to the website owner or support team.



Social Media: This can include links to the website owner or support team's social media profiles, such as Facebook, Twitter, or LinkedIn.



●

Creating and activating accounts



Creating an Account



From the website home page, click the button **“GET STARTED”**

After clicking “GET STARTED”, the pop-up window as shown having the following features will show up:

Login

Email

Enter email address

Password

Enter password

LOGIN

Need an account? Sign up! | Forgot your password? Recover it!

1 2 3 4

The login form is a white box with a light gray border. It has a title 'Login' at the top. Below the title are two input fields: 'Email' with the placeholder 'Enter email address' and 'Password' with the placeholder 'Enter password'. A green 'LOGIN' button is at the bottom right. At the bottom of the form, there is a link: 'Need an account? Sign up! | Forgot your password? Recover it!'. Blue circles with numbers 1 through 4 are overlaid on the form: 1 is at the bottom left, 2 is next to the email field, 3 is at the bottom right, and 4 is next to the password field.



Setting up an account window

Create Account - container

Full Name
Enter your full name

Email
Enter your email address

Password
Enter your password

CREATE ACCOUNT

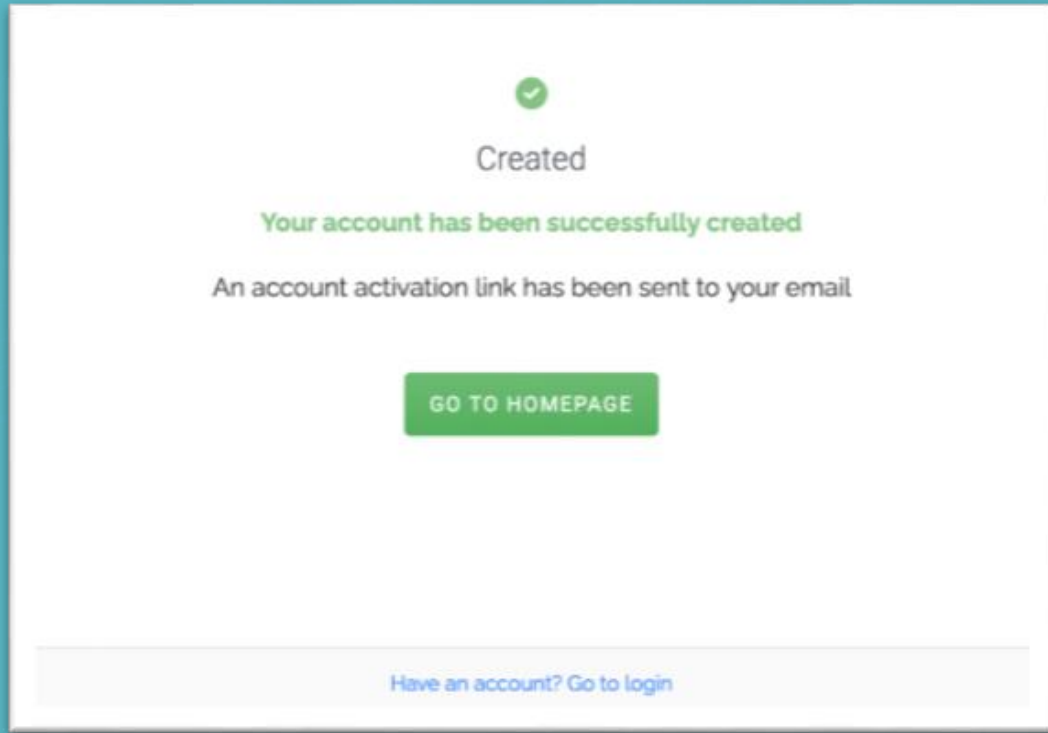
[Have an account? Go to login](#)

Click Button labelled "***Need an account? Sign up!***" for initial set up of access account. This is done only once. A new pop-up window will appear as shown.

- **Enter your full name** e.g., Jane Doe
- **Enter your valid email address**
- **Enter a strong password.** A strong password is typically comprises a combination of the following elements:
 - **Length:** A password should be at least 12 characters long. The longer, the better.
 - **Complexity:** Use a mix of upper- and lower-case letters, numbers, and symbols. Avoid using easily guessable information such as birthdays or names.
 - **Unpredictability:** Avoid using easily guessable patterns, such as "123456789" or "qwerty".
 - **Uniqueness:** Do not use the same password for multiple accounts.
 - **Examples of strong passwords:**
 - C0mpl3xP@ssw0rd!
 - 1m@g1n@t!v3P@ssw0rd
 - P@ssw0rdW1thSymb0ls#23
- **Click "CREATE ACCOUNT"**



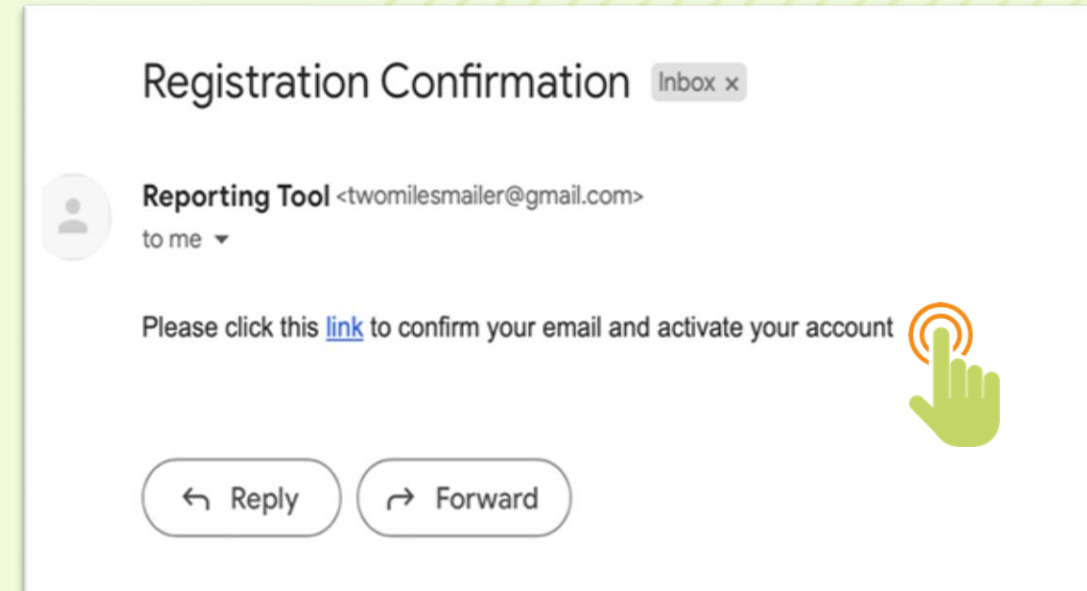
Setting up an account window



When the account set up is complete, you will see a new pop-up window as shown above. It indicates that your account creation is successful. You then go to your email account and click the activation link send to you.

Activating account

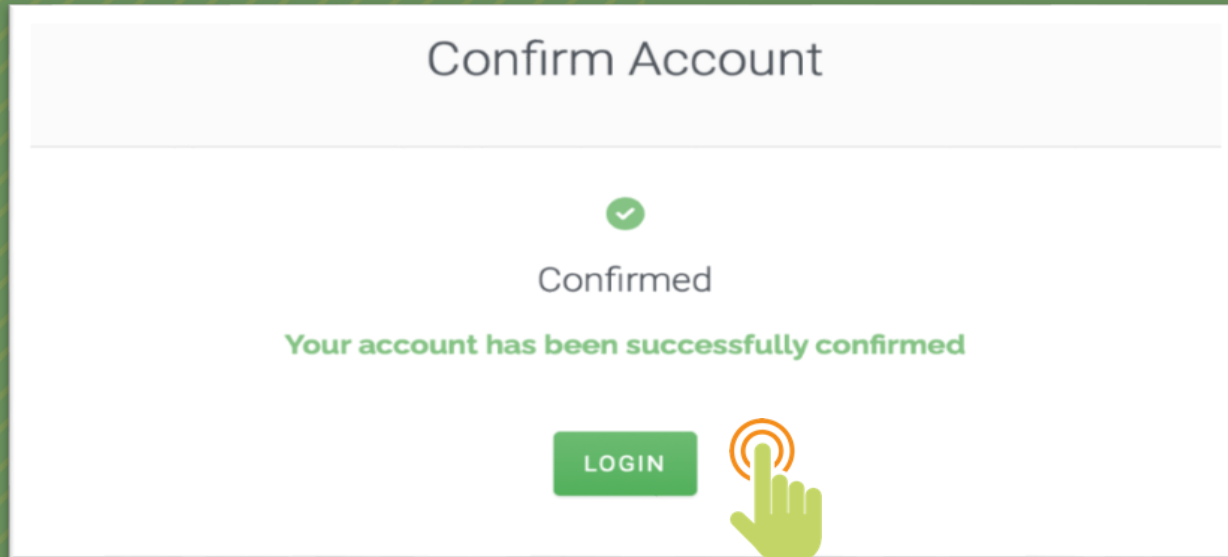
In the inbox of your email account, the email message will appear as follows, with the subject "Registration Confirmation". Click on the blue link to confirm your account as shown in below.





Setting up an account window

A successful activation window will then appear as shown below.



Click **“LOGIN”**.

A new pop-up window will appear as shown on the right.

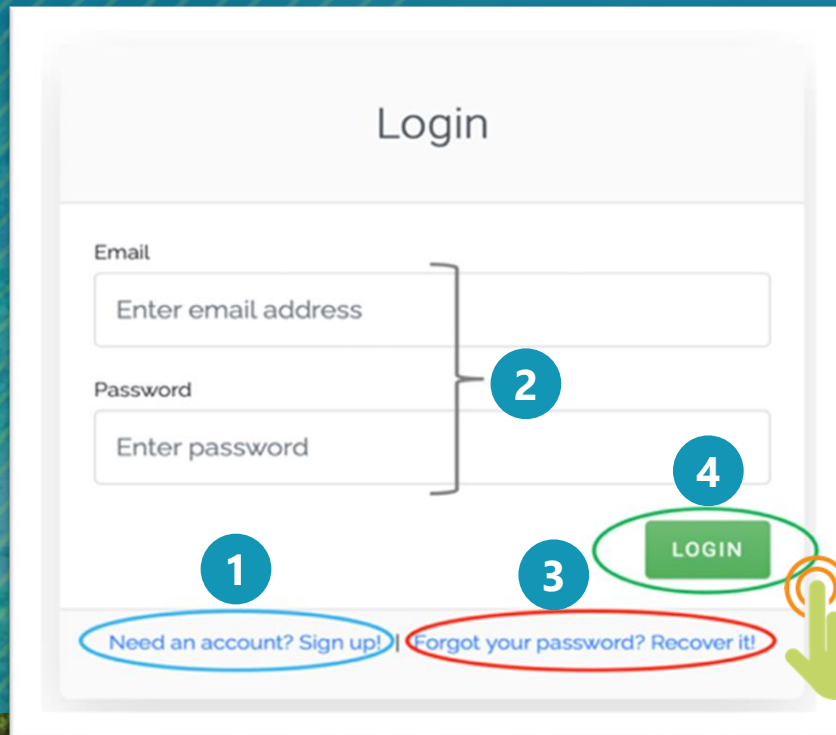
Enter the following details:

- The email you used during the set up
- The password you included during setup

If you forgot your password, you could recover it by resetting your password as shown in the Figure below:

1 From the login window, Click on "Forgot your password? Recover it" (option 3 below)

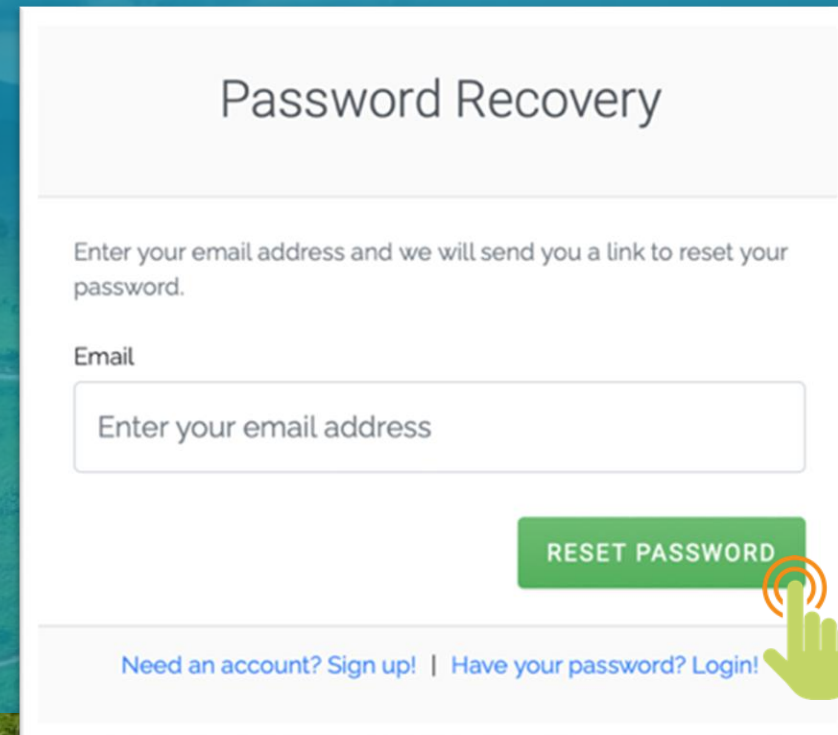
2 On the next pop up window, enter the email address used during setting of account



The screenshot shows a 'Login' form with the following elements and annotations:

- 1**: A blue circle pointing to the link "Need an account? Sign up!" at the bottom left.
- 2**: A blue circle pointing to a bracket that groups the "Email" and "Password" input fields.
- 3**: A red circle pointing to the link "Forgot your password? Recover it!" at the bottom center.
- 4**: A blue circle pointing to the "LOGIN" button.

Hand icons indicate the click actions for the "Forgot your password? Recover it!" link and the "LOGIN" button.

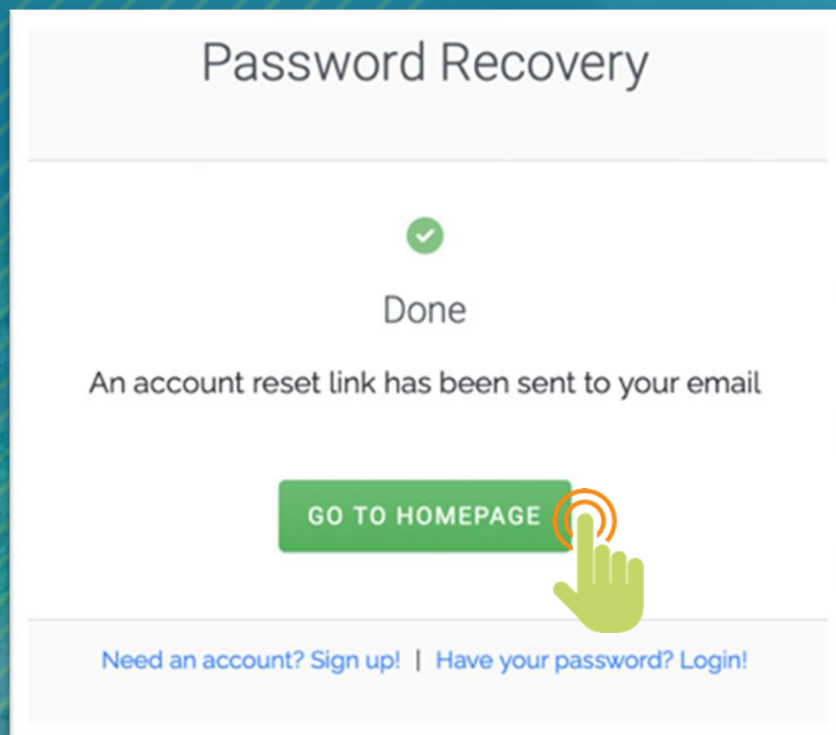


The screenshot shows a 'Password Recovery' form with the following elements:

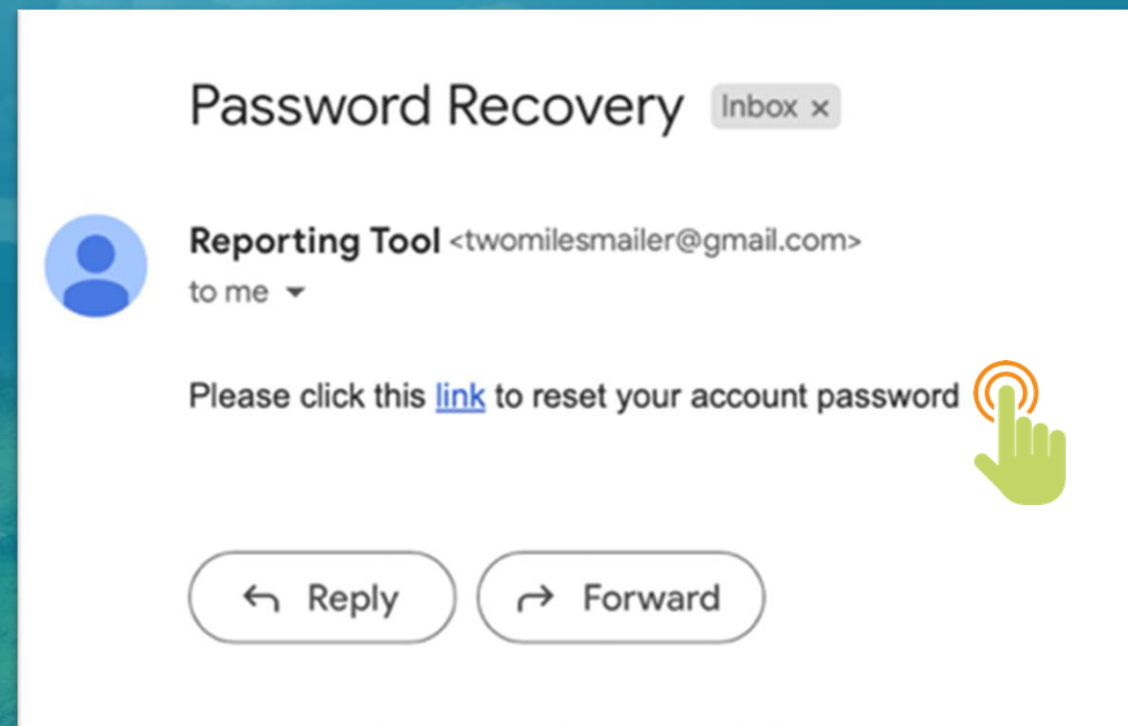
- Text: "Enter your email address and we will send you a link to reset your password."
- Input field: "Email" with the placeholder text "Enter your email address".
- Button: "RESET PASSWORD" (green).
- Footer: "Need an account? Sign up! | Have your password? Login!"

A hand icon indicates the click action for the "RESET PASSWORD" button.

3 A successful password recovery pop up window will appear as shown below

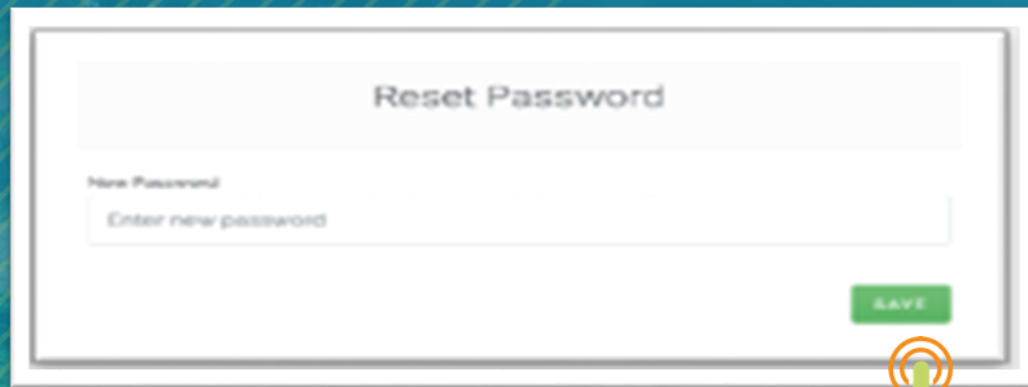


4 Log in to your email by clicking the blue link on the email labeled "Password Recovery" as shown below



5

On the new pop up window, enter your new strong password and click save as shown below

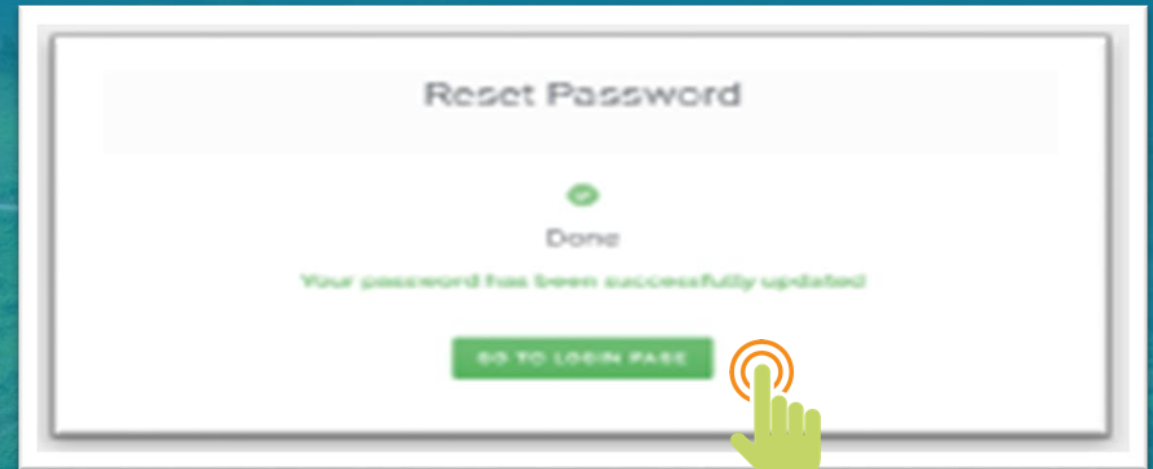


The screenshot shows a white rectangular pop-up window titled "Reset Password". Inside the window, there is a text input field labeled "New Password" with the placeholder text "Enter new password". Below the input field is a green button labeled "SAVE". A green hand icon with a red target symbol is positioned over the "SAVE" button, indicating it should be clicked.

6

The new pop up window will appear showing your password has been successfully updated as shown below.

Click on "**GO TO LOGIN PAGE**" and enter your email and your new password. This will log in to the system.



The screenshot shows a white rectangular pop-up window titled "Reset Password". At the top center, there is a green checkmark icon and the word "Done". Below this, the text "Your password has been successfully updated" is displayed in green. At the bottom center, there is a green button labeled "GO TO LOGIN PAGE". A green hand icon with a red target symbol is positioned over the "GO TO LOGIN PAGE" button, indicating it should be clicked.



●

Types of Users and their roles



User Roles

- After successful log in, proceed to setup your data collection form in the landing page.
- The tool will be managed by a team of three user categories including reporters, reviewers, and administrator. The roles of each of these users are described herein under.

REPORTERS

The reporters in the CSA reporting process play a key role.

Their task is to gather the documented CSA actions from their organizations'/institutions' projects within a specified reporting period, and submit them through the CSA reporting tool.

The information must be accurate and representative of the organization's CSA related efforts in the designated location.





User Roles

Working with the administrator and the county's CSA-MSP steering committee, the reviewer will ensure that all stakeholders are properly profiled and given access to the reporting tool for their respective organizations/institutions to report.

REVIEWER

The reviewer, serving as the CSA desk officer at the county level, will oversee the reporting process for county level stakeholders, and also ensure the quality of all reports submitted by reporters/organizations in the county.





User Roles

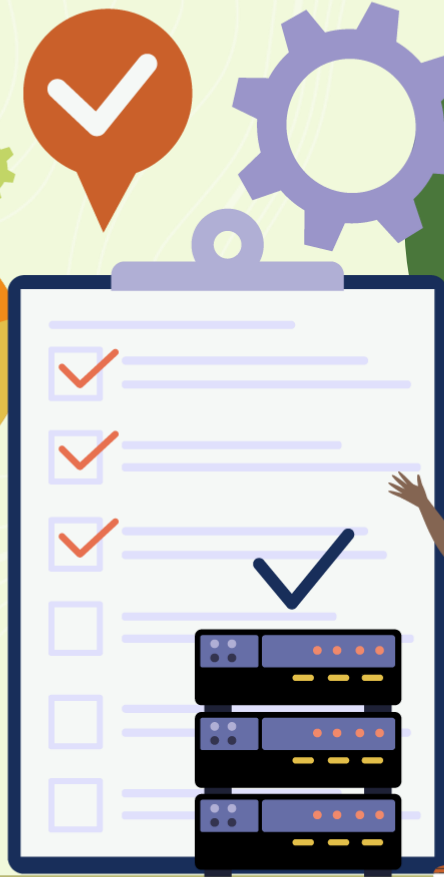
ADMINISTRATOR

The Administrator plays a crucial role in the reporting of CSA actions across the country, operating primarily from the CCU at the head office of the Ministry headquarters.

Their responsibilities include assigning roles to the reporters and reviewers, and ensuring that the reporting tool functions properly.

The administrator also profiles organizations/institutions with the necessary credentials to access it for reporting their CSA activities.

The Administrator is in addition responsible for verifying the quality of submitted data, conducting statistical analyses, consolidating the data, and developing the final report for submission to the CCD.





Data Form Responses



Data Forms Responses



How to access data forms after approval by the administrator:

Click getting started button as shown

A data response form window will open, showing the type of form, e.g. KCSAIF1, and the reporting period. **Click the button to select reporting period as shown below:**



The screenshot shows a web application interface for 'REPORTING TOOL' under the 'KENYA CLIMATE SMART AGRICULTURE IMPLEMENTATION FRAMEWORK'. The main heading is 'Data Forms Responses' with a subtitle 'The draft and submitted data forms responses as at different reporting periods'. The interface includes a filter section for 'Form' (set to 'KCSAIF Form 1') and 'Period' (set to 'Sat. Oct 01 2022 - Mon. Oct 31 2022'). Below this is a tabbed interface with 'Draft', 'In Review', and 'Published' tabs. A search bar is present above a table of responses. The table has columns for '#', 'Location', 'Respondent', 'Status', and 'Actions'. A red arrow points to a button in the 'Actions' column of the first row, which is circled in red. A green hand icon is shown clicking this button. At the bottom right, there is a watermark that says 'Activate Windows. Go to Settings to activate Windows.'

#	Location	Respondent	Status	Actions
1	Muranga	lydia.kimani@gmail.com	Draft	
2	Gitugi	lynnoriewo@gmail.com	Draft	
3	Trans Nzoia	cblukorito@gmail.com	Draft	

Click on the **Draft**, then **click (+)** sign on the bottom right to select location.



REPORTING TOOL KENYA CLIMATE SMART AGRICULTURE IMPLEMENTATION FRAMEWORK

Form: KCSAIF Form 1

Period: Sat, Oct 01 2022 - Mon, Oct 31 2022

Draft In Review Published

Search

#	Location	Respondent	Status	Actions
1	Muranga	lydia.kimani@gmail.com	Draft	
2	Gitugi	lynnoriewo@gmail.com	Draft	
3	Trans Nzoia	cblukorito@gmail.com	Draft	
4	Kenya	africaiccasa@gmail.com	Draft	

Active Windows



A small pop-up window will appear. Click the button to select the location as illustrated below:



The screenshot shows a web application interface for a reporting tool. The header is green and contains the text "REPORTING TOOL" and "KENYA CLIMATE SMART AGRICULTURE IMPLEMENTATION FRAMEWORK". Below the header, there are tabs for "Draft", "In Review", and "Published". A search bar is present. The main content area displays a table with columns: "#", "Location", "Respondent", "Status", and "Actions". The table contains four rows of data. A pop-up window titled "Report" is overlaid on the table. The pop-up has a "Location" field with a "Choose Location" button. A red arrow points to a green button with a location pin icon, which is circled in red. A hand icon is shown clicking this button. A "SAVE" button is at the bottom of the pop-up.


#	Location	Respondent	Status	Actions
1	Muranga		Draft	
2	Gitugi		Draft	
3	Trans Nzoia		Draft	
4	Kenya		Draft	

After clicking the button, another small window will open up with a **list of administrative units**. Search and **select the name of administrative unit you require** as shown below:



A screenshot of a web application interface. The main window is titled "REPORTING TOOL" and "KENYA CLIMATE SMART AGRICULTURE IMPLEMENTATION FRAMEWORK". It shows a table with columns for "#", "Location", "Status", and "Actions". The table contains four rows: 1 Muranga, 2 Gitugi, 3 Trans Nzoia, and 4 Kenya. A modal window titled "Report" is open, showing a search interface. The modal has a "System" dropdown set to "Devolved" and a breadcrumb "Home / Kenya / Bomet". Below this is a search bar labeled "Search by administrative units names" which is circled in red. Below the search bar is a list of administrative units with radio buttons and "Drill" buttons (green arrows pointing down). The units listed are Bomet Central, Bomet East (circled in red), Chepalungu, Konoin, and Sotik. A green hand icon is shown clicking on the "Bomet East" radio button. At the bottom of the modal, there are pagination controls showing "1" and "5 items per page".

Upon selection of the name of the administrative unit, **click save button as shown below:**



The image shows a screenshot of a web application interface titled "KENYA CLIMATE SMART AGRICULTURE IMPLEMENTATION FRAMEWORK". The main content is a table with the following data:

#	Location	Respondent	Status	Actions
1	Muranga	lydia.kimani@gmail.com	Draft	
2	Gitugi		Draft	
3	Trans Nzoia		Draft	
4	Kenya		Draft	
5	Rumuruti Township		Draft	

A modal window titled "Report" is open, showing a "Location" dropdown menu with "Bomet Central" selected. A red circle highlights a green "SAVE" button at the bottom of the modal, with a red arrow pointing to it. A hand icon is shown clicking the button. The background table is dimmed.

After saving, the **Data Form Response** window will open based on **target location for data entry** as shown below:



The screenshot shows a web application interface for 'REPORTING TOOL' under the 'KENYA CLIMATE SMART AGRICULTURE IMPLEMENTATION FRAMEWORK'. The main heading is 'Data Forms Responses' with a subtitle 'View the draft and submitted data forms responses as at different reporting periods'. A table lists a 'KCSAIF Form 1' with a 'Target' of 'Bomet Central' and a 'Status' of 'Draft'. A red circle highlights the 'Target' and 'Bomet Central' cells, and a hand icon points to the 'Target' cell. Below the table, there are sections for 'OUTCOME 1: INSTITUTIONAL COORDINATION OF POLICY AND IMPLEMENTATION STRENGTHENED' and 'OUTPUT 1.1: STRENGTHENED INTER-MINISTERIAL AND COUNTY GOVERNMENT COORDINATION'. This section contains three data entry rows: '1.1.1. No. of joint CSA coordination forums *', '1.1.2. No. of harmonized CSA policies *', and '1.1.3. Mainstreamed relevant National CSA policies (KCSAIF, KCSAS, NCCA/NCCAP or any other)' with radio buttons for 'Yes' and 'No'. A 'CLOSE' button is in the top right corner. An 'Activate Windows' watermark is visible at the bottom right.

KCSAIF Form 1		CLOSE
Target	Bomet Central	
Status	Draft	

OUTCOME 1: INSTITUTIONAL COORDINATION OF POLICY AND IMPLEMENTATION STRENGTHENED

OUTPUT 1.1: STRENGTHENED INTER-MINISTERIAL AND COUNTY GOVERNMENT COORDINATION

1.1.1. No. of joint CSA coordination forums *	<input type="text"/>
1.1.2. No. of harmonized CSA policies *	<input type="text"/>
1.1.3. Mainstreamed relevant National CSA policies (KCSAIF, KCSAS, NCCA/NCCAP or any other)	<input type="radio"/> Yes <input type="radio"/> No



- **Structure and elements of the data form**



Structure of the Data Form



GOAL

A national, long-term, low-carbon, climate-resilient development pathway, alongside realization of the development goals of Kenya Vision 2030

IMPACT

Improvement of agricultural livelihoods and food, nutritional, and income security through CSA extension.



Structure of the Data Form

- The form consists of a **set of indicators** that can effectively track the progress of climate actions in the agricultural sector.
- It **provides all stakeholders undertaking agricultural-sector climate actions** with the requisite indicators to measure advancements towards the goal, impact, outcomes, and outputs as outlined in the KCSAIF.
- The form, thus enables effective M&E reporting.





Structure of the Data Form



Indicators	Unit of measure
Climate change adaptation investments in the agricultural sector	Ksh.
GHG emissions per unit of agricultural produce per commodity	Kg CO ₂ eq/unit
Renewable energy investments in the agricultural sector	Ksh.
The proportion of climate-resilient households	%
Total agricultural-sector GHG emissions	Metric Tons CO ₂ eq
Prevalence of severe food insecurity in target areas	%
National average intake of calories per capita	Kcal per capita
Prevalence of stunted children under five years old	%
Household dietary diversity score, which is an index of household food availability, access, utilization, and stability of supply	Index



Outcome 1: Institutional Coordination of CSA Policy and Implementation Strengthened

The aim of **Outcome 1** is to demonstrate existence of a sustainable system for achieving coordinated, coherent, and cooperative governance of climate-resilient, low-carbon growth in the agricultural sector through improved inter-ministerial and county government coordination.

This is to be achieved through:

- deepening partnerships between state and non-state actors; and
- improved linkages between actors in the agricultural research system, advisory services, and producers.





Indicators and Units of Measure

Indicators	Unit of measure
Indicator 1.1: Total amount of finances invested in CSA	Ksh.
Indicator 1.2: Existence of functional CSA coordination mechanism at the national and county levels	Descriptive
Indicator 1.3: Presence of up-to-date CSA policies and strategies in place at both national and county levels of governance	Descriptive
Indicator 1.4: Existence of functional research-extension-farmer linkages mechanisms	Descriptive



The expected outputs include:

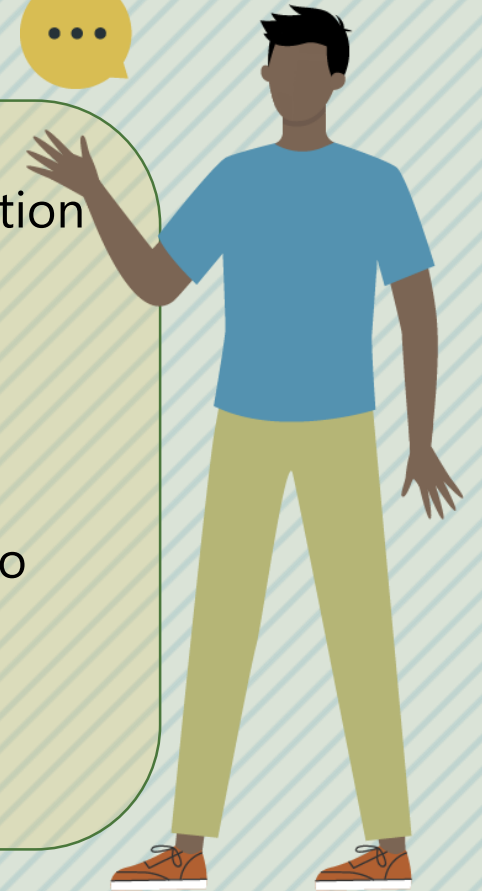
Outputs 1.1: Strengthened inter-Ministerial and County Government Coordination

Output 1.2: Strengthened Partnerships Among State and Non-State Actors

Output 1.3: Strengthened Research-Extension-Farmer Linkages

Output 1.4: Enhanced Enabling Environment for CSA

Output 1.5: Enhanced Capacities of Organizations to Address Issues Relevant to CSA





Outcome 1: Institutional Coordination of CSA Policy and Implementation Strengthened

OUTCOME 1: INSTITUTIONAL COORDINATION OF CSA POLICY AND IMPLEMENTATION STRENGTHENED

OUTPUT 1.1: STRENGTHENED INTER-MINISTERIAL AND COUNTY GOVERNMENT COORDINATION

1.1.1. No. of joint CSA coordination forums *

1.1.2. No. of harmonized CSA policies *



Outcome 2: Agricultural Productivity and Integration of Value Chain Approach

The aim of **Outcome 2** is to mainstream CSA to support the transformation of Kenya's agricultural sector into an innovative, commercially oriented, competitive, and modern industry that contributes to poverty reduction and improved food security in Kenya.





Indicators and Units of Measure

Indicators	Unit of measure
Indicator 2.1: Changes in productivity of various value chains	%
Indicator 2.2: Changes in the quantity of marketed produce or products derived from value-added commodities	Tonnes
Indicator 2.3: Change in number of value chain actors in the agricultural sector adhering to market standards	N
Indicator 2.4: Volumes of strategic reserves of foods or feeds stored	Tonnes
Indicator 2.5: Percentage change in area of land under efficient irrigation systems	%
Indicator 2.6: Proportion of small and medium-sized enterprises (SMEs) using green technologies for value addition	%
Indicator 2.7: Number of green jobs created	N
Indicator 2.8: Change in percentage of post-harvest losses by value chain	%



The expected outputs include:

Output 2.1: Improved Access to and Use of Adaptive Technologies (TIMPS)

Output 2.2: Enhanced Efficiency of Irrigation

Output 2.3: New Products Developed and Value Addition of Commodities
Enhanced

Output 2.4: Enhanced Competitiveness and Markets Access for Climate
Smart Products

Output 2.5: Improved Food and Feed Storage and Distribution





Outcome 2: Agricultural Productivity and Integration of Value Chain Approach

OUTCOME 2: AGRICULTURAL PRODUCTIVITY AND INTEGRATION OF VALUE CHAIN APPROACH

OUTPUT 2.1: IMPROVED ACCESS TO AND USE OF ADAPTIVE TECHNOLOGIES (TIMPS)

2.1.1. Types of Adaptive technologies (TIMPs) in use along value chains (crops, livestock, fisheries)

2.1.2. Types of CSA products certification (e.g., organic or Global G.A.P)



Outcome 3: Building resilience and appropriate mitigation actions

The aim of **Outcome 3** is to reduce the vulnerability of agricultural systems by cushioning them against the impacts of climate change and to reduce GHG emissions where possible.





Indicators and Units of Measure

Indicators	Unit of measure
Indicator 3.1: Percentage change in GHG emission intensity	%
Indicator 3.2: Total land under integrated soil fertility and water management practices	Ha
Indicator 3.3: Total area under Ecosystem management and degraded land rehabilitation	Ha
Indicator 3.4: Volume of water harvested and stored for agricultural use	M3
Indicator 3.5: Existence of Monitoring Reporting and Verification (MRV+) systems	Descriptive



The expected outputs include:

Output 3.1: Soil Health Improved, And Degraded Lands Rehabilitated

Output 3.2: Enhanced Conservation of Water and Other Natural Resources

Output 3.3: Enhanced Access to Climate Risk Related Agricultural Insurance and Other Safety Nets

Output 3.4: Synergies Between Adaptation and Mitigation Promoted





Outcome 3: Building resilience and appropriate mitigation actions

OUTCOME 3: BUILDING RESILIENCE AND APPROPRIATE MITIGATION ACTIONS

OUTPUT 3.1: SOIL HEALTH IMPROVED, AND DEGRADED LANDS REHABILITATED

3.1.1. No. of farmers adopting climate smart soil fertility management practices



Outcome 4: Communication Systems on CSA Extension and Agro-weather Issues

The aim of **Outcome 4** is to strengthen communication systems related to CSA extension and agro-weather issues by:

- generating, communicating, and disseminating CSA knowledge;
- enhancing access to climate information and agro-weather advisory services and early warning systems; and
- developing capacity in climate risk contingency planning.





Indicators and Units of Measure

Indicators	Unit of Measure
Indicator 4.1: Change in total number of actors with access to CSA information	N
Indicator 4.2: Existence of functional CSA information management systems	Descriptive
Indicator 4.3: Existence of functional contingency plans for climate risks response	Descriptive
Indicator 4.4: Presence of functional CSA communication strategies.	Descriptive



Outcome 4: Communication Systems on CSA Extension and Agro-weather Issues

OUTCOME 4: COMMUNICATION SYSTEMS ON CSA EXTENSION AND AGRO-WEATHER ISSUES

OUTPUT 4.1: ENHANCED CSA KNOWLEDGE GENERATION

4.1.1. No. of CSA knowledge products developed

4.1.2. No. of stakeholders generating CSA information



The expected outputs include:

Output 4.1: Enhanced CSA Knowledge Generation

Output 4.2: Enhanced CSA Knowledge Communication and Dissemination

Output 4.3: Access to Climate Information and Agro-Weather Advisory Services Enhanced

Output 3.4: Early Warning Systems and Contingency Plans for Climate Change Response Strengthened





- **Standard operating procedure for the tool**



Form Content Editing and Submission

Prior to submission of the filled reporting form, you can edit it and close by clicking "close" at the top left of the data form response window as shown below:








A screenshot of a web application interface titled "Data Forms Responses". The header bar is green and contains the text "REPORTING TOOL" and "KENYA CLIMATE SMART AGRICULTURE IMPLEMENTATION FRAMEWORK". Below the header, the main content area is white. At the top left of the main area, there is a green icon of a pencil and the text "KCSAIF Form 1". Below this, there are two rows of information: "Target Bomet Central" and "Status Draft". A green bar with white text "OUTCOME 1: INSTITUTIONAL COORDINATION OF CSA POLICY AND IMPLEMENTATION STRENGTHENED" spans the width of the form. Below this, another green bar with white text "OUTPUT 1.1: STRENGTHENED INTER-MINISTERIAL AND COUNTY GOVERNMENT COORDINATION" is present. The main form area contains three rows of input fields. The first row is labeled "1.1.1. No. of joint CSA coordination forums *" and has a text input field. The second row is labeled "1.1.2. No. of harmonized CSA policies *" and has a text input field. The third row is labeled "1.1.3. Mainstreamed relevant National CSA policies (KCSAIF, KCSAS, NCCA/NCCAP or any other)" and has two radio button options: "Yes" and "No". In the top right corner of the form, there is a green button labeled "CLOSE". A red arrow points to this button, and a red circle highlights it. A hand icon is shown clicking on the button. At the bottom right of the screenshot, there is a watermark that says "Activate Windows".

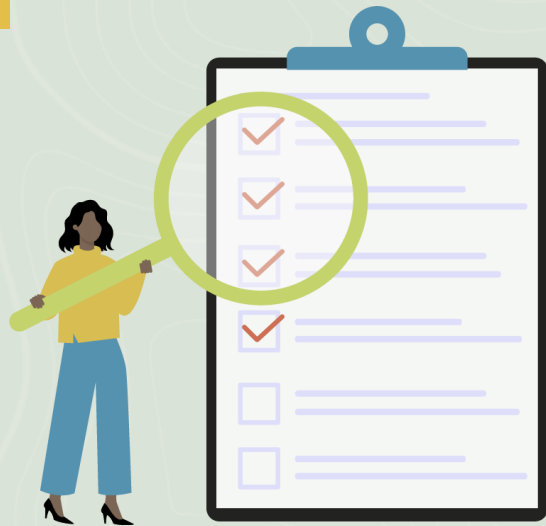


Form Content Editing and Submission

Filled data form can be accessed for editing by clicking the pencil icon as shown below:

A screenshot of a web application interface. The top navigation bar is green and contains the text "REPORTING TOOL" and "KENYA CLIMATE SMART AGRICULTURE IMPLEMENTATION FRAMEWORK". Below the navigation bar, there is a "Period" dropdown menu set to "Sat. Oct 01 2022 - Mon. Oct 31 2022". The main content area has tabs for "Draft", "In Review", and "Published", with "Draft" selected. Below the tabs is a search bar. The main content is a table with the following columns: "#", "Location", "Respondent", "Status", and "Actions". The table contains six rows of data. The "Actions" column for each row contains a pencil icon (edit) and a trash icon (delete). A red circle highlights the pencil icon for the first row, and a red arrow points to it from the right. A hand icon is visible in the bottom right corner of the screenshot.

#	Location	Respondent	Status	Actions
1	Muranga	lydia.kimani@gmail.com	Draft	
2	Gitugi	lynnoriewo@gmail.com	Draft	
3	Trans Nzoia	cblukorito@gmail.com	Draft	
4	Kenya	africaiccasa@gmail.com	Draft	
5	Rumuruti Township	africaiccasa@gmail.com	Draft	
6	Bomet Central	makena.jesca@gmail.com	Draft	 



Form Content Editing and Submission

Submit the duly filled reporting form by clicking "submit" at the bottom left of the window as shown below:

A screenshot of a web application interface. The top navigation bar is green and contains the text "REPORTING TOOL" and "KENYA CLIMATE SMART AGRICULTURE IMPLEMENTATION FRAMEWORK". Below the navigation bar is a green header for "OUTPUT 4.4: EARLY WARNING SYSTEMS AND CONTINGENCY PLANS FOR CLIMATE CHANGE RESPONSE STRENGTHENED". The main content area contains four sections, each with a label and an input field:

- 4.4.1. No. of climate risk contingency plans developed
- 4.4.2. No of stakeholders implementing the contingency plans
- 4.4.3. No. of climate risk mitigation and disaster preparedness practices
- 4.4.4. Type of functional early warning systems for climate change response (FEWSNET, weather forecast,)

At the bottom right of the form, there is a green "SUBMIT" button. A red circle highlights the button, and a red arrow points to it from the left. A hand icon is shown clicking the button.

Please note that:


- During data entry, the tool **AutoSaves** the form
- No editing after submission



●
**Scalability and
sustainability of
the tool**



Scalability of the tool



The reporting tool has the potential to be extended to other locations outside the project areas, and forms a sound basis for attribution and recognition of actors in climate action.

- With regard to attribution, the tool can give organizations reporting on climate actions the chance to be recognized for improving transparency of reporting at the county level.
- This is crucial for non-state actors who use this information to secure funding from financial institutions, or donors for their respective organizations.
- Recognition also offers organizations participating in the reporting process the opportunity to receive priority consideration for future climate change projects at the county level.
- This will incentivize actors in the county to participate in the County CSA-MSP projects and activities, thus contributing further to enhanced climate action in agriculture.



Sustainability of the tool

The reporting tool provides basis for continued flow of information that can inform decision making and resource allocation, aimed at enhancing resilience, improving productivity, and reducing emissions.

- Furthermore, the information availed by the tool can improve cross-sectoral planning and increase access to climate finance.
- The tool is accessible online and provides flexibility needed to upload content on climate action.
- The tool is designed for ease of use and quick uploading of content based on a password policy that is set by the relevant partner institutions.



**THANK
YOU**