

Design of the FAO/MAAIF Intervention System/Database

The system is derived from the “information sheets” whose development was a joint effort undertaken by all stakeholders. The system will be cloud-based i.e it will be accessible through a web browser by visiting a URL e.g <https://nsyea.ensibuuko.com/> and will further be complimented by a mobile app to enable the capture/entry of data.

At a high level, the system will operate as follows;

1. On the Web System: An **Administrator** (Ensibuuko) will create user accounts.
User accounts are what will permit the other stakeholders access the system
2. On the Web System: UNFFE will then create the interventions
3. On the Web System: UNFFE will create **Data Entrant** accounts for the data entrants
4. On the Mobile App: The **Data Entrant** will then use a tablet to access the system and enter data for the beneficiaries.

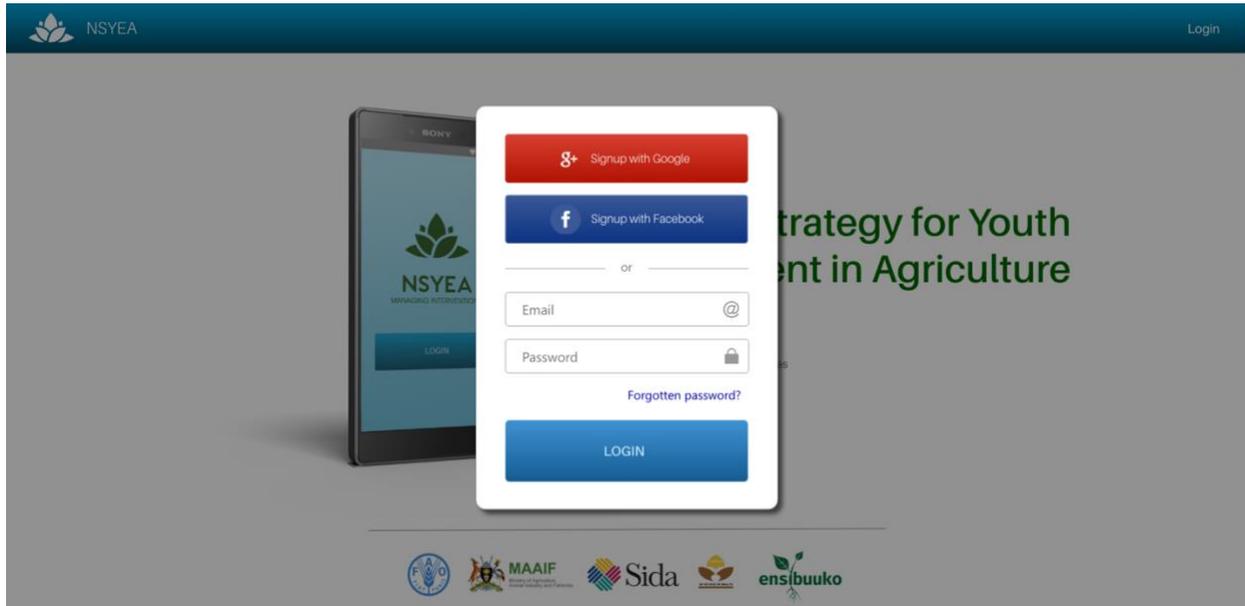
Interface 1: Accessing the web system

On visiting the selected URL (e.g <https://nsyea.ensibuuko.com/>) through a web browser, the user will access this interface



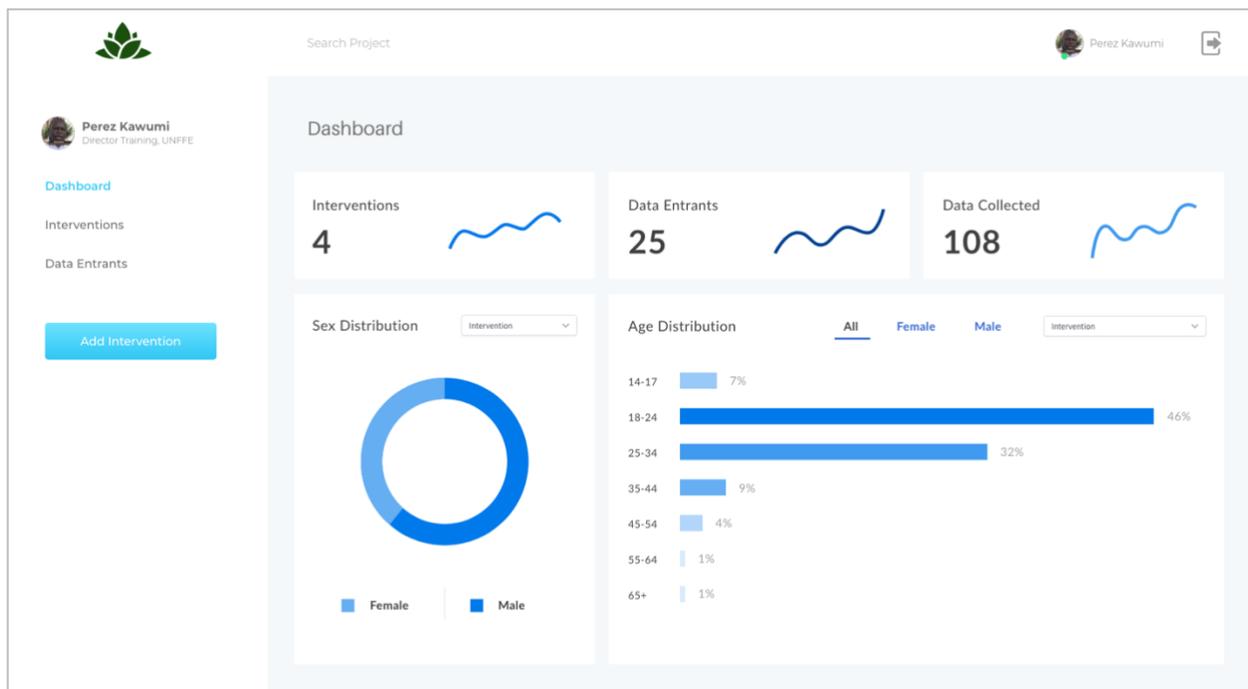
Interface 2: Logging in

User accounts will be created by the administrator however to login, click login in the top-right



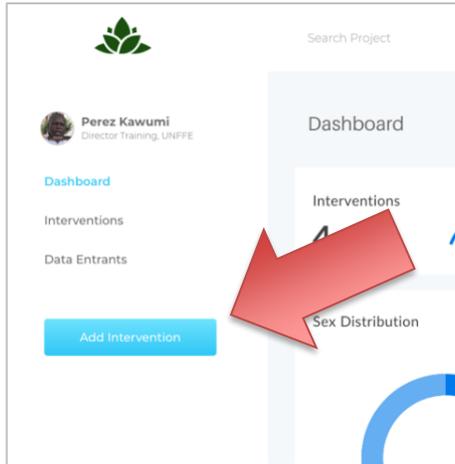
Interface 3: Dashboard

Different user-types will have different dashboards however the UNFFE dashboard will appear as shown below;

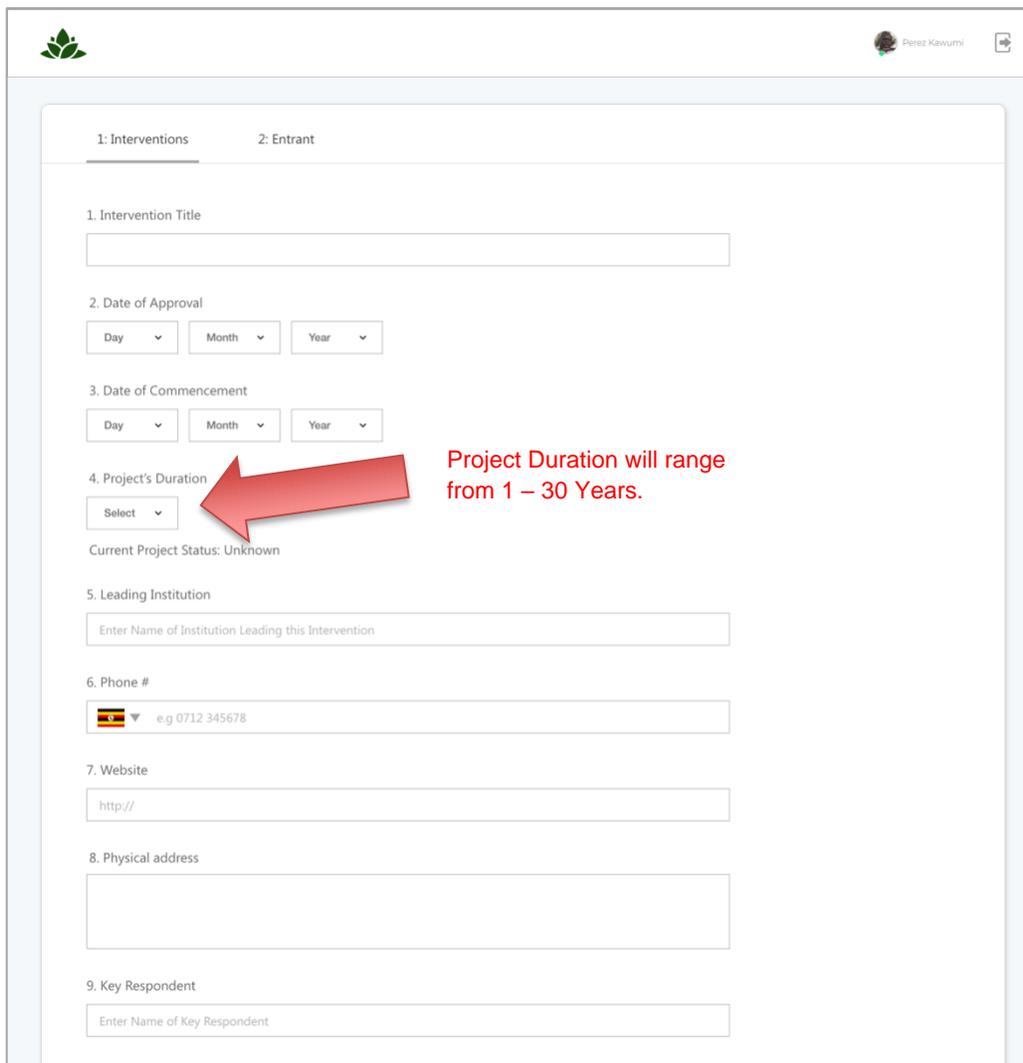


Interface 4: UNFFE creates an intervention

UNFFE will create an intervention by clicking the “Add Intervention” button



Which will launch the following interface ...

A screenshot of a form titled '1: Interventions' and '2: Entrant'. The form contains several fields:

- 1. Intervention Title: A text input field.
- 2. Date of Approval: Three dropdown menus for Day, Month, and Year.
- 3. Date of Commencement: Three dropdown menus for Day, Month, and Year.
- 4. Project's Duration: A dropdown menu with 'Select' as the current value. A red arrow points to this dropdown, and a red text box next to it says 'Project Duration will range from 1 – 30 Years.'
- Current Project Status: Unknown
- 5. Leading Institution: A text input field with the placeholder 'Enter Name of Institution Leading this Intervention'.
- 6. Phone #: A text input field with a country code dropdown (showing a flag) and the placeholder 'e.g 0712 345678'.
- 7. Website: A text input field with the placeholder 'http://'.
- 8. Physical address: A large text input field.
- 9. Key Respondent: A text input field with the placeholder 'Enter Name of Key Respondent'.

10. Phone #

 e.g 0712 345678

11. Email

12. Key Implementing Partner



13. Typology of Lead Institution

Select

14. Total Budget on Youth Interventions

UGX

15. Youth Specific Budget/Investment (2017-2019)

UGX

16. Planed Youth Specific Budget/Investment (2020-2021)

UGX

17. Districts Targeted

District

Beneficiaries 14 - 17

Males Females

Beneficiaries 18 - 35

Males Females

Youth Graduates

Males Females

Youth Non-Graduates

Males Females



Youth budget (17-19)

UGX

Youth budget (TOTAL)

UGX

Youth specific (TOTAL)

UGX

18. Type of support provided

Select

19. Thematic Area of the NYSEA it contributes to

Select

20. % of youth already obtained

Options Include:

1. Public institution
2. Workers' organization
3. Employers' organization
4. Producers' organization
5. Private sector company or group
6. National research institute
7. Regional or international research institute
8. National statistics institute
9. Non-Governmental organization (NGO)
10. Regional or International Non-Governmental organization (NGO)
11. Multi-stakeholder mechanism or platform
12. UN organization
13. Youth organization
14. Development bank or Fund
15. Commercial bank or microfinance institution
16. Regional Economic and Political Community
17. Bilateral cooperation
18. CSO

Options Include:

1. Life skills
2. Mindset Change
3. Technical agricultural production skills
4. Climate-Smart agricultural approaches
5. Entrepreneurship skills (BDS)
6. Agri-entrepreneurship skills
7. Marketing skills
8. Training on OSH
9. Equipment on OSH
10. Other decent work-related aspects
11. Financial literacy
12. Empowering youth to work in groups
13. Formalization support
14. Legal support to youth
15. Support to access natural resources (e.g. land and water)
16. Support to access inputs
17. Risk reduction support (ex. Access to insurance, disaster risk reduction, etc.)
18. Value addition skills/ Processing

Options Include:

1. Strengthening the enabling environment for the youth employment
2. Supporting youth-oriented agricultural extension
3. Improving youth education and learning
4. Supporting youth entrepreneurship
5. Adaptation to and mitigation of agribusiness risks and uncertainties

20. Main effects on youth already obtained

Select 

21. Is Evidence Available?

Select 

22. If "Yes" in "21" above, then


DRAG & DROP
your
Evidence, or **browse**
or insert URL below

http:// 

23. Main effects on youth expected

Select 

24. Challenges (interventions)

Challenges in extending the intervention



25. Challenges (initiatives)

Challenges in extending the initiative



26. Additional Notes (recommendations, comments)

Normal | Sans Serif | B I U O 

Write Something

[NEXT](#)

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- Options Include:**
1. Youth are better skilled for life (health, sexual education, communication, interpersonal relation)
 2. Inspire youth into agriculture
 3. Youth are better technically skilled
 4. Youth know how to develop a business plan
 5. Youth set up a new business (informal)
 6. Youth set up a new business (formal)
 7. Youth expanded their business
 8. Youth accessed credit
 9. Youth started to commercialize their agri-produce
 10. Youth increased their commercialization of their agri-produce
 11. Youth accessed new wage jobs
 12. Youth become suppliers of SMEs
 13. Youth earned better incomes
 14. Youth are more satisfied/happier

- Options Include:**
1. Youth are better skilled for life
 2. Youth are involved in agro enterprises
 3. Youth have started agro enterprises
 4. Youth are better technically skilled
 5. Youth know how to develop a business plan
 6. Youth set up a new business (informal)
 7. Youth set up a new business (formal)
 8. Youth expanded their business
 9. Youth accessed credit
 10. Youth started to commercialize their agri-produce
 11. Youth increased their commercialization of their agri-produce
 12. Youth accessed new wage jobs
 13. Youth become suppliers of SMEs
 14. Youth earned better incomes
 15. Youth are more satisfied/happier

Upon creating an intervention, UNFFE will click "Next" to assign specific **data entrants** to this intervention. These **data entrants** will be tasked with collecting the data from the field. Sample interfaces for the "data entrant" management is provided on the next page.

 Perez Kawumi 

1: Interventions 2: Entrant

-  **Amina Lamin**
aminal2003@gmail.com Data Entrant
-  **Kugonza Beatrice**
kugonzab@gmail.com Data Entrant

Data Entrants for 'Youth Groups in Mukono' Intervention



Amina Lamin
Email: aminal2003@gmail.com
Phone: 256 772 909090
Created: 23/May/17

[Modify](#) [Remove](#)

[+ ADD DATA ENTRANT](#) [+ USE EXISTING DATA ENTRANT](#)

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 Perez Kawumi 

1: Interventions

-  **Amina Lamin**
aminal2003@gmail.com Data
-  **Kugonza Beatrice**
kugonzab@gmail.com Data

Add New Data Entrant

NAMES

EMAIL

PHONE

DATA ENTRANT'S PICTURE

Upload an image
of the Data Entrant



[ADD ENTRANT](#)

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Interface 5: Data Entrant uses the app to collect data

UNFFE “Data Entrants” will then use the mobile application to collect data. To do this, they will first login to the Mobile App (similar to steps illustrated for “Interface 2”) then select the Intervention they are to collect data for. A sample interface is shown below;

Dashboard

Interventions: 2 | Districts: 1 | Data Collected: 41

Intervention	District Interviewed?	Data Collected
Y Youth Groups in Mukono	Yes	29
F Female Youth Agricultural Cooperatives	Pending	12

These are the interventions assigned to this specific **Data Entrant**. Each intervention is clickable. Assume the intervention is specific to “Enterprises” and the **Data Entrant** is collecting data at the **District**, then upon clicking the intervention, the interface below will be launched ...

1. District

2. Total Jobs Created

3. Number of Enterprises in District

4. Type of Enterprise

Options Include:

- 1. Micro
- 2. Small
- 3. Medium
- 4. Large

Options Include:

- 1. Jobs currently generated (employees)
- 2. Jobs prospects 2020-21 (employees)
- 3. Type of skills most needed (employees)

Options Include:

- 1. Permanent
- 2. Temporary/Casual
- 3. Family Members
- 4. Skilled
- 5. Low Skilled

Options Include:

- 1. 14 - 17
- 2. 18 - 35
- 3. Above 35

NEXT



Clicking the “Next” button above will save the “District” information and immediately launch the interface from which the **Data Entrant** may begin inputting the **Enterprises** beneficiaries’ information;

A screenshot of a web application interface for entering enterprise information. The top navigation bar includes a logo on the left and a user profile 'Martin Kagoda' on the right. Below the navigation bar are tabs for 'Dashboard', 'Enterprises', 'Cooperatives', 'Youth Groups', and 'Youth Agripreneurs'. The 'Enterprises' tab is active. The form contains the following fields:

- District: A text input field with a tooltip showing four categories: **Micro:** less than UGX 5M, annual revenue; **Small:** between UGX 5 - 100M, annual revenue; **Medium:** between UGX 101 - 360M, annual revenue; **Large:** above UGX 360M, annual revenue.
- Type of Enterprise: A dropdown menu with 'Select' as the current value.
- Name of the Manager: A text input field.
- Manager's Date of Birth: Three dropdown menus for 'Day', 'Month', and 'Year'.
- Sex: A dropdown menu with 'Select' as the current value.
- Manager's Phone #: A text input field with a country code dropdown (showing Uganda) and a placeholder 'e.g 0712 345678'.
- Manager's Email: A text input field.
- Enterprise's Address: A text input field.
- Enterprise's Location (GPS): A text input field with a blue location pin icon below it.

Click me to quickly get your location

10. Type of Business

Options Include:

1. Sole proprietorship
2. Partnership
3. Ltd Company
4. Cooperative
5. Corporate Companies
6. Social enterprise

11. Product/Service



12. Node of the agri-food value chain

Options Include:

1. Production
2. Aggregation
3. Processing
4. Distribution



13. Total Employees

14. Worker Categories

Note: In the meeting, it was proposed that the developers explore the possibility of collecting specific employee data as opposed to collecting aggregated data. A revision to this specific section of the system is therefore shown below (in the red frame)

15. Do you procure from smallholders?

Formal: You have contracts with the smallholders
Informal: No contracts with the smallholders

16. If "Yes" in "15" above, what are the arrangements in place?

17. If "Yes" in "15" above, then



DRAG & DROP
your
Evidence, or **browse**



Examples include Finance, Seeds, Transportation, Advice, Machinery etc

18. Do you provide any services/inputs to your suppliers?

14. Names of Employee

Options Include:

1. Permanent
2. Temporary/Casual
3. Family Members
4. Skilled
5. Low Skilled

19. Are any of your suppliers members of cooperatives?

20. If "Yes" in "19" above, specify the supplier and the cooperative

21. Are you interested in supplies from youth / youth groups?

22. Beyond input supply, do you engage in any other collaboration with youth/youth groups?

Examples include "for transport"

23. If "Yes" in "22" above, name the nature of engagement 



24. If "No" in "22" above, would you be interested in doing so?

Examples of vulnerable groups include PWDs, albinos, elderly, IDPs etc

25. Does the enterprise engage with refugees, or any other vulnerable categories? 

26. If "Yes" in "25" above, in which functions / tasks are they found?



27. "What actions are being taken by the enterprise to ensure environmental sustainability?"



SAVE & EXIT

SAVE & CAPTURE ANOTHER

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Interface 6: If however the intervention is specific to “Cooperatives” (and the **Data Entrant** is collecting data at the **District**), then the interface below will be launched

Dashboard Enterprises **Cooperatives** Youth Groups Youth Agripreneurs

1. District

- Agri-food cooperatives
- Agri-food producers/farmers organizations
- Other forms (e.g associations)
- Youth-only (or mainly) group

2. Number of Cooperatives in District ⓘ
 Agri-food cooperatives Agri-food producers Other forms e.g associations Youth-only

3. Jobs Worker Categories Sex Age Range
 Select Select Select Select Insert Sum

Options Include:

- Jobs currently generated (employees) 2017-2019
- Secondary jobs currently generated (coop members) 2017-2019
- Jobs prospects 2020-21 (employees)
- Secondary Jobs prospects 2020-21 (coop members)
- Type of skills most needed (employees)

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Clicking the “Next” button above will save the “District” information and immediately launch the interface from which the **Data Entrant** may begin inputting the **Cooperatives** beneficiaries’ information;



Dashboard

Enterprises

Cooperatives

Youth Groups

Youth Agripreneurs

1. District

- Agri-food cooperatives
- Agri-food producers/farmers organizations
- Other forms (e.g associations)
- Youth-only (or mainly) group

2. Type of Cooperative

3. Name of the Cooperative

4. Year of Registration

5. Name of the Manager

6. Manager's Phone #

7. Manager's Email

8. Cooperative's Address

9. Cooperative's Location (GPS)



Click me to quickly get your location

10. Type of Activity



Options Include:

1. Bulking
2. Logistics-transport
3. Primary Farming
4. On farm services
5. Value addition
6. Marketing
7. Input supply
8. Post-Harvest handling

11. Product/Service

Enter Business' Product or Service

+

12. Node of the agri-food value chain

Select

Options Include:

1. Production
2. Aggregation
3. Processing
4. Distribution

+

13. Total Employees

Male Female

14. Worker Categories Sex Age Range

Select Select Select Insert Sum

+

15. In which functions are Male youth more involved?

Select

Options Include:

1. Producers
2. Managers
3. Workers for the coop
4. Interns on stage
5. Other (provide details)
6. None

16. In which functions are Female youth more involved?

Select

17. Are there youth 14-30 below 30 in managerial positions (e.g on the Executive Board)?

Select

Examples of vulnerable groups include PWDs, albinos, elderly, IDPs etc

18. Does the enterprise engage with refugees, or any other vulnerable categories?

Select

19. If "Yes" in "18" above, in which functions / tasks are they found?

Function / Task

Examples include Finance, Seeds, Transportation, Advice, Machinery etc

+

20. Do you provide any services/inputs to your suppliers?

Select

21. "What actions are being taken by the enterprise to ensure environmental sustainability?"

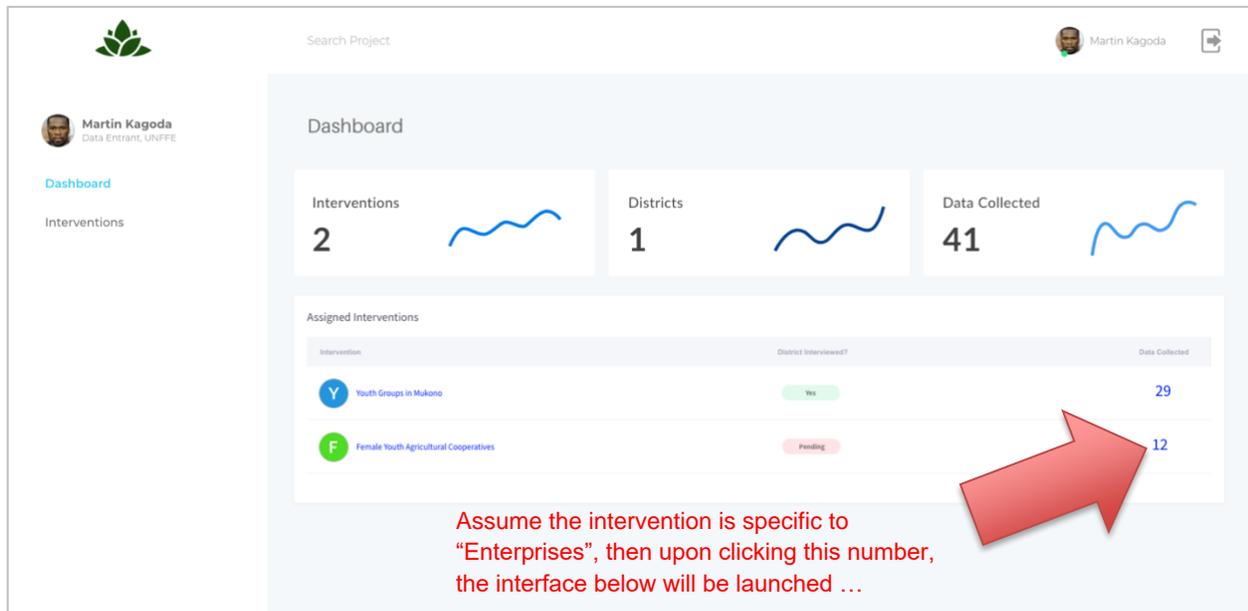
Action being undertaken

+

SAVE & EXIT SAVE & CAPTURE ANOTHER

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Interface 7: If the UNFFE Data Entrant is however collecting data from the actual beneficiaries (Enterprises, Cooperatives, Agripreneurs or Youth Groups etc) and wishes to go directly to the collection of information on the Youth Group, they may then click the number against the “Intervention”;



The screenshot shows a dashboard for Martin Kagoda, a Data Entrant for UNFFE. The dashboard includes a search bar, a sidebar with navigation options (Dashboard, Interventions), and three main metrics: Interventions (2), Districts (1), and Data Collected (41). Below these metrics is a table titled 'Assigned Interventions' with columns for Intervention, District Interviewed?, and Data Collected. The table lists two interventions: 'Youth Groups in Mukono' (29 data collected) and 'Female Youth Agricultural Cooperatives' (12 data collected). A red arrow points to the number 12 in the 'Data Collected' column for the second intervention. A red text box at the bottom of the screenshot reads: 'Assume the intervention is specific to “Enterprises”, then upon clicking this number, the interface below will be launched ...'.

Intervention	District Interviewed?	Data Collected
Y Youth Groups in Mukono	Yes	29
F Female Youth Agricultural Cooperatives	Pending	12

Upon clicking the numbers (see red arrow above), depending on the type of Intervention, the following interfaces will be launched:

Interface 8: If the Intervention is for “Youth Groups”, then the interfaces below will be launched:

Dashboard Enterprises Cooperatives **Youth Groups** Youth Agripreneurs

1. District

2. Name of the Group

3. Year of Registration
Day Month Year

4. Name of the Incharge

5. Incharge's Phone #

6. Incharge's Email

7. Group's Address

8. Group's Location (GPS)





Click me to quickly get your location

9. Type of Activity



Options Include:

1. Bulking
2. Logistics-transport
3. Primary Farming
4. On farm services
5. Value addition
6. Marketing
7. Input supply
8. Post-Harvest handling

10. Product/Service



11. Node of the agri-food value chain



Options Include:

1. Production
2. Aggregation
3. Processing
4. Distribution



12. Total Members

13. Employee Categories

Sex

Age Range

14. "What actions are being taken by the enterprise to ensure environmental sustainability?"



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Interface 9: If the Intervention is for “Youth Agripreneurs”, then the interfaces below will be launched:

Dashboard Enterprises Cooperatives Youth Groups **Youth Agripreneurs**

1. District

2. Name of the Business

3. Name of the Agripreneur

4. Agripreneur's Date of Birth
Day Month Year

5. Sex
Select

6. Agripreneur's Phone #

7. Agripreneur's Email

8. Agripreneur's Address

9. Agripreneur's Location (GPS)


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10. Type of Business

Select



Options Include:

- 1. Sole proprietorship
- 2. Partnership
- 3. Ltd Company
- 4. Cooperative
- 5. Corporate Companies
- 6. Social enterprise

11. Product/Service

Enter Agripreneur's Product or Service



12. Node of the agri-food value chain

Select



Options Include:

- 1. Production
- 2. Aggregation
- 3. Processing
- 4. Distribution



13. Total Employees

Male Female

14. Worker Categories

Sex

Age Range

Select Select Select Insert Sum



15. What share of raw materials is procured from Small Holder farmers?

Select (%)



Options will range from 1% - 100%

16. Is any raw material procured from youth-only groups?

Select

Formal: You have contracts with the smallholders
Informal: No contracts with the smallholders

17. If "Yes" in "16" above, what are the arrangements in place?

Select

18. If "Yes" in "16" above, then


 DRAG & DROP
 your
 Evidence, or **browse**



Examples include Finance, Seeds,
 Transportation, Advice, Machinery etc

19. Do you provide any services/inputs to your suppliers?

Select

20. Are any of your suppliers members of cooperatives?

21. If "Yes" in "20" above, specify the supplier and the cooperative

22. Do you train or mentor other youth?

23. If "Yes" in "22" above, how?



24. Beside current activities, do you engage in any other collaboration with other youth/youth groups (e.g for transport)?

25. If "No" in "24" above, would you be interested in doing so?

26. Are you part of a youth broader network or association?

27. If "Yes" in "26" above, which one?

28. What are the main challenges you face?



Options Include:

1. Access to finance
2. Access to land
3. Access to training
4. Access to laborers
5. I have to complement with other jobs to make a living
6. Others please mention

29. "What actions are being taken by the enterprise to ensure environmental sustainability?"

