



Food and Agriculture
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SUSTAINABLE
DEVELOPMENT
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AFCAS 28
LEVERAGING
DATA & STATISTICS
FOR AGRIFOOD
SYSTEMS
TRANSFORMATION
IN AFRICA

AGENDA ITEM 4:
IMPLEMENTATION OF THE
50X2030 INITIATIVE IN
AFRICA REGION



AFRICAN
COMMISSION ON
**AGRICULTURAL
STATISTICS**

The Annual Agricultural Sample Survey in Tanzania – achievements and perspectives

Presenter: Mr Titus Mwisomba





- ❖ Introduction
- ❖ Why a new Annual Agricultural Sample Survey (AASS)?
- ❖ Features of the new AASS
 - ❖ Module Rotation
 - ❖ Sample design
 - ❖ Survey calendar
- ❖ Progress to date
- ❖ Summarized Timeline
- ❖ Challenges
- ❖ Lessons learned



- The *50x2030 Initiative: To Close the Agricultural Data Gap* has the main objective of bridging the agricultural data gap by transforming country data systems across 50 countries in Africa, Asia, the Middle East and Latin America by 2030.
- Tanzania is one of the 27 African countries that are receiving technical assistance from the Initiative.
- Providing technical assistance to the Annual Agricultural Sample Survey (AASS), the Initiative helps the Tanzania National Statistical System (NSS) to fulfill the Tanzania Statistical Master Plan II (TSMP-II)



- NBS and OCGS have conducted two rounds of an Annual Agricultural Sample Survey in 2016 and 2017. The survey programme was discontinued due to planning of the 2019/20 NSCA
- Through the IDA project *Eastern Africa Regional Statistics Program for Results*, the Government of Tanzania decided to invest on generating statistics for the agricultural sector. The current plan is to conduct four rounds of a sample agricultural survey on annual basis (2023-2027). Features of the new AASS are:
 - The adoption of a list frame, which is can be updated and maintained more easily than an area frame;
 - Better integration with the agricultural sector information needs
 - Rotation of topics; and
 - Government funded survey



MODULE ROTATION IN TANZANIA (I)

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| | YEARS | | | |
|---|-------------|-------------|-------------|-------------|
| | 2023 | 2024 | 2025 | 2026 |
| CORE - Core Agriculture Module | CORE | CORE | CORE | CORE |
| <i>Non-Standard Units Survey</i> | ■ | | | |
| ILP - Income, Labor and Productivity | ● | | | ● |
| WEN - Women Empowerment and Nutrition | | ● | | |
| MEA - Machinery, Equipment and Assets | | ● | | |
| PME - Production Methods and Environment | | | ● | |



MODULE ROTATION IN TANZANIA (II)

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- Between 2023 and 2026, the Tanzania AASS will collect core data on crop and livestock production on annual basis. In addition,
- The **AASS 2023** is collecting data on inputs (and their cost), revenues and the overall **farm economy**. This will inform several indicators for the national agricultural sector as well as the SDG 2.3.1 (land and labour productivity for small-holders) and SDG 2.3.2 (income of small-holders). Further, a special survey on non-standard units has been implemented to enhance the quality of production data through the survey program.
- The **AASS 2024** will collect data on farm **machinery and equipment** and on **women's empowerment and nutrition**
- The **AASS 2025** will collect data on **production methods and environment**
- The **AASS 2026** will focus again on the **farm economy**



- The FAO and NBS sampling experts worked very closely on the AASS sample design.
- After several iterations, the final sample for the household sector is composed of 1,352 EAs (**16,224 ag households**). In addition, enterprises will be interviewed on full enumeration (**around 1,300 enterprises**).
- Survey results will be representative at **regional level**. Further, applying Small Area Estimation techniques, the AASS will generate **indirect estimates at the council level** to better support the country planning and monitoring

| Overall | Number of EAs | Number of Agricultural HHs |
|-------------------|---------------|----------------------------|
| Tanzania | 1,352 | 16,224 |
| Mainland Tanzania | 1,234 | 14,808 |
| Zanzibar | 118 | 1,416 |



IMPLEMENTATION PROGRESS (I)

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- In Tanzania, the agricultural year goes from October to September and most of the country has two seasons (Vuli and Masika).
- To ensure high-quality data, the initial plan for the AASS 2023 was to conduct two visits, one focusing on the Vuli season and one focusing on Masika season, plus livestock and fish farming. Further, we wanted to include crop cutting for maize and rice.
- Due to funding access delays, we are ultimately conducting one visit. We aim to conduct to two visits in the future survey rounds.



IMPLEMENTATION PROGRESS (II)

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- The Non-Standard Unit Survey has been carried out in October 2023. With the FAO assistance, we will generate conversions which will help transforming crop and livestock production quantities from local to standard quantities (Kg).
- The AASS 2023 data collection is ongoing. It was launched in November 2023 and will end in Jan 2024. It collects data on crops, livestock and aquaculture for the entire 2022/23 agricultural year, which started on 1st October 2022 and ended on 30th September 2023.



SUMMARIZED TIMELINE

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| ACTIVITY | | | | | | | |
|-------------------------------|-----------------|----------------|---------------------|------------------------|----------------------|-----------------|----------|
| | 18-23 Sept 2023 | 9 -21 Oct 2023 | 25 Oct - 7 Nov 2023 | 8 Nov 2023- 8 Jan 2024 | January – March 2024 | April-June 2024 | Jul 2024 |
| Pretest | X | | | | | | |
| Training of Trainers (TOT) | | X | | | | | |
| Training of Enumerators (TOE) | | | X | | | | |
| Data Collection | | | | X | | | |
| Data Processing and Analysis | | | | | X | | |
| Report Writing | | | | | | X | |
| Dissemination | | | | | | | X |

- To ensure that statistics are used for planning and programme purposes, it is crucial that findings are released in a timely manner.
- For this reason, NBS and OCGS aim to release the survey reports and estimates **within 7 months from the end of data collection.**



- Data collection during the **rain period** is a challenge for enumerators who shall move from one place to another. This might prolong the time required for field work.
- **Accessing funds** on time is essential, especially in view of a two-visit approach.
- Further work will be required to improve the **PHC 2022 frame**, especially on demarcating properly some large EAs



LESSONS LEARNED

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- While implementing the survey programme, coordination of all key actors within NSS is fundamental
- Development of Dashboard to monitor the progress of Data collection at EA level, helps to estimated duration of the exercise and improve the speed
- Data quality is one of the key issues, therefore all levels of data quality control should be in place while planning for the survey.

**THANK YOU FOR
YOUR ATTENTION!**

**ASANTE SANA
MERCİ
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