FOCUS-AFRICA
Full-value chain Optimised Climate User-centric Services for Southern Africa

STAKEHOLDER WORKSHOP
Focus On Tanzania

Second External Stakeholder Workshop,
14-15 September 2021
13:00 – 17:00 CET
14:00 – 18:00 EAT

Ms Babyegeya

Ms Mecklina M. Babyegeya has 11 years experience in Meteorology specifically in generation of agrometeorological products for agriculture sector in Tanzania. In 2014 to date Ms. Mecklina became a GFCS Desk Officer responsible for coordination of GFCS APA. It was a multiagency programme implemented by the TMA, WFP, TRC, WHO and UDSM under the WMO. Ms Mecklina coordinated partners to ensure successful implementation of the programme and its sustainability by developing and implementation of the NFCS. Furthermore, Mecklina worked with UKMET Office to support the implemention of MHEWS Project under the WISER. She coordinated the HIGHWAY project to reduce community risks due to bad weather in Lake Victoria. Ongoing project coordinated by Mecklina are FOCUS AFRICA and COGENT. Mecklina has a BSc (Hon) in Meteorology from Pretoria University and MSc in Urban Environmental Management from Wageningen University in the Netherlands.

OUTLINE

1. INTRODUCTION
2. CLIMATE SERVICES FOR AGRICULTURE AND FOOD SECURITY(AFS)
3. MODES OF COMMUNICATION
4. CHALLENGES
5. ENABLING ENVIRONMENT FOR COLLABORATION
6. CONCLUSION

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1. Introduction

- Climate information services are essential to help address the growing demand for food in a changing climate
- Climate change has altered the climate and the geographical food production due to shifts in rainfall
- The farming risks due to climate variability can be minimized through effective use of agrometeorological information and products

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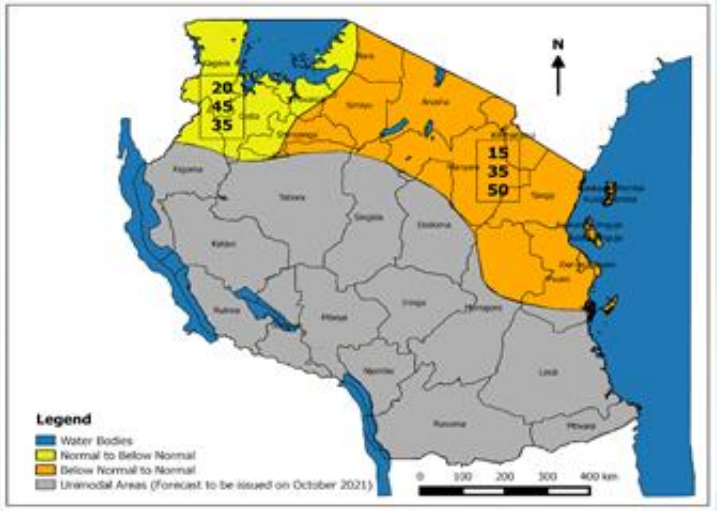
2. Climate services for agriculture and food security

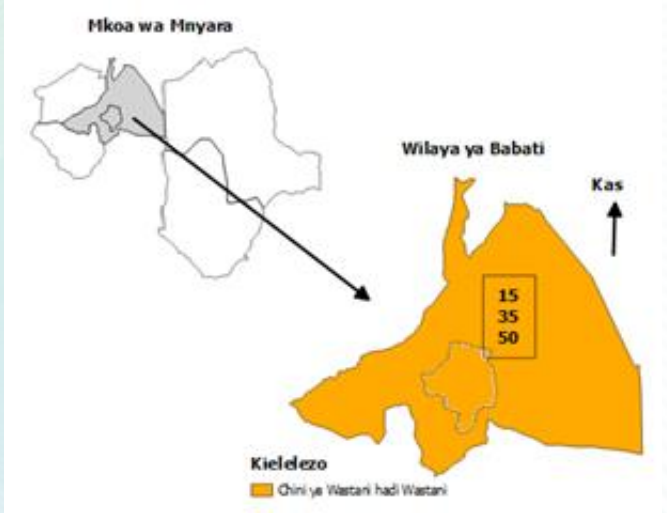
- TMA is playing a crucial role in serving the agriculture and food security sectors by providing agro-meteorological information and products
- The agrometeorological information provided by TMA include seasonal forecast, tailor made products, agrometeorological bulletins, Warnings and daily forecast
- The agrometeorological information support the farmers to make informed decisions

2.1 Tailor made Agrometeorological information for agriculture e.g onset of the season, cessation of the season, length of the season and dry spells

Seasonal forecast



Downscaled forecast at District level



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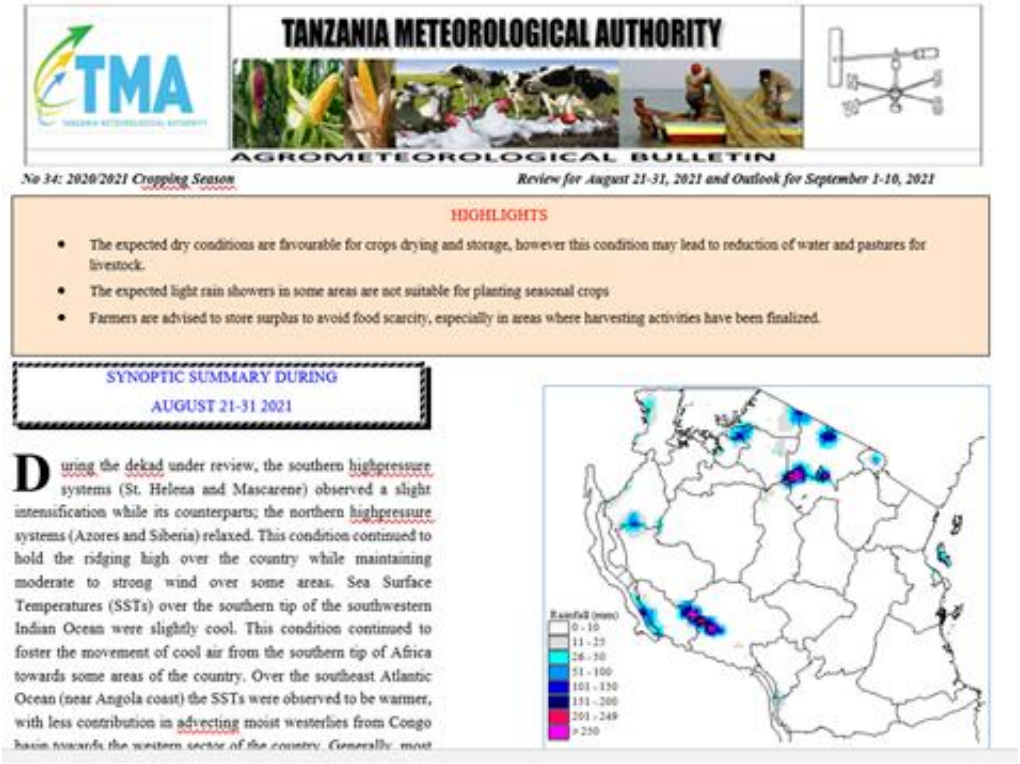
2.2 Agrometeorological bulletin (Monthly and Dekadal)

The bulletin contains;

- **The expected weather**
- **Agrometeorological summary**
- **Advisory**



TANZANIA METEOROLOGICAL AUTHORITY

AGROMETEOROLOGICAL BULLETIN

No 34: 2020/2021 Cropping Season — *Review for August 21-31, 2021 and Outlook for September 1-10, 2021*

HIGHLIGHTS

- The expected dry conditions are favourable for crops drying and storage, however this condition may lead to reduction of water and pastures for livestock.
- The expected light rain showers in some areas are not suitable for planting seasonal crops
- Farmers are advised to store surplus to avoid food scarcity, especially in areas where harvesting activities have been finalized.

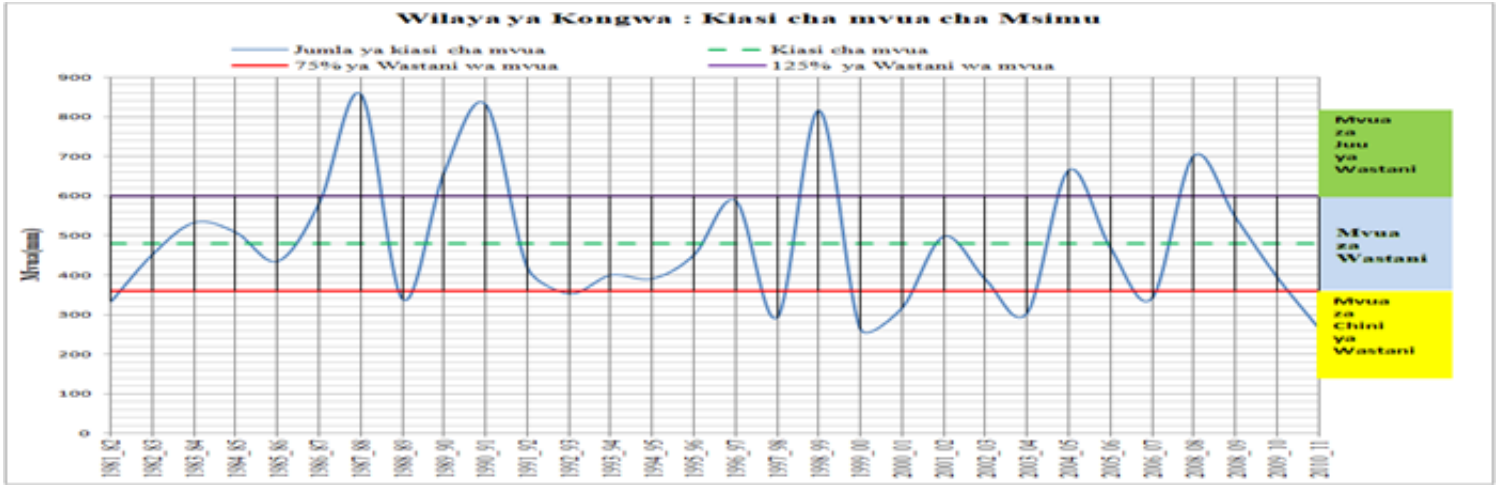
SYNOPTIC SUMMARY DURING

AUGUST 21-31 2021

During the dekad under review, the southern highpressure systems (St. Helena and Mascarene) observed a slight intensification while its counterparts; the northern highpressure systems (Azores and Siberia) relaxed. This condition continued to hold the ridging high over the country while maintaining moderate to strong wind over some areas. Sea Surface Temperatures (SSTs) over the southern tip of the southwestern Indian Ocean were slightly cool. This condition continued to foster the movement of cool air from the southern tip of Africa towards some areas of the country. Over the southeast Atlantic Ocean (near Angola coast) the SSTs were observed to be warmer, with less contribution in advecting moist westerlies from Congo

Rainfall (mm)
0 - 10
11 - 25
26 - 50
51 - 100
101 - 150
151 - 200
201 - 249
> 250

2.3 Climatological information



3. Dissemination channels of climate information

stations

TanzaniaMetAgency

newspapers

@tmaservices

TV stations

@tma_services

www.meteo.go.tz,
www.wamis.org

More than 600 email addresses receive the agrometeorological information

3.1 Sensitization seminars and training of intermediaries on Climate services provided by TMA

Kiteto district

Longido district

Kongwa district

4.Challenges

- Increasing needs of high resolution information and area specific weather and climate information
- Insufficient Meteorological Infrastructure including the need for enhanced observation networks
- Limited awareness among stakeholders in the agriculture sector
  - Farmers, intermediaries and decision makers
  - On climate information in agricultural planning and decision making

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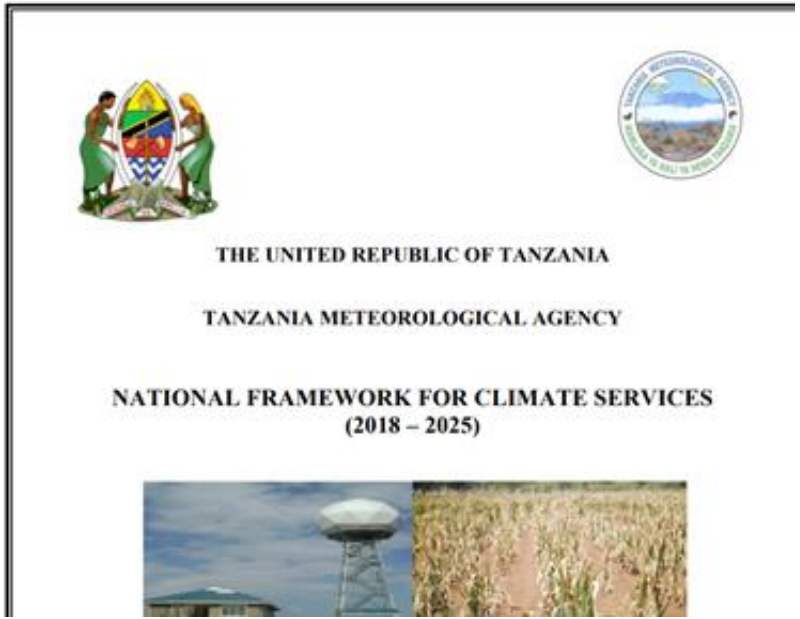
5. Enabling environment for enhancing the provision of agrometeorological services

The implementation of the NFCS that addresses

Capacity of TMA to generate quality tailormade products for farmers and livestock keepers



6. Conclusion

- There is a great improvements in provision of agrometeorological services in the country despite the available challenges.
- TMA will continue to improve by addressing the challenges through collaborative efforts with other players/stakeholders in climate services.
- TMA would like to call upon cooperation from all stakeholders to contribute in attaining effective agrometeorological services for sustainable development

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THANK YOU

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