

ICPAC

AGRICULTURE SEASONAL MONITORING, EARLY WARNING AND ASSESSMENT

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ABSTRACT

Approximately 60% of the Horn of Africa region is under Arid and Semi-Arid Lands (ASALs). Close to 80% of the total population dependent on agriculture which is mainly subsistence and rain-fed. However, rainfall is uneven, inadequate and unreliable across most part of the region with

Eastern Africa Crop Monitor

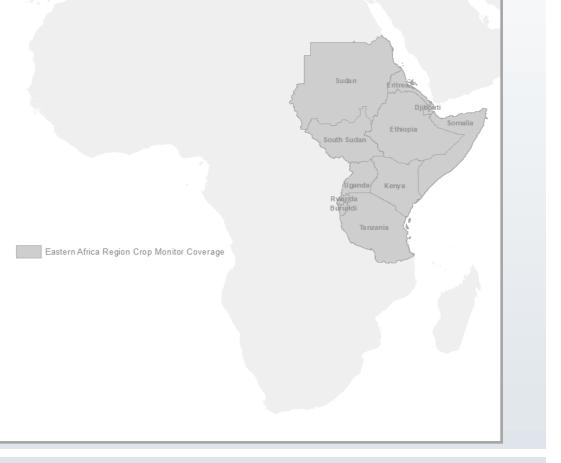


OBJECTIVE

To provide agriculture and related information for improved monitoring and assessing crop conditions, forecast food production and status of food security to issue timely early warning information to decision makers in Eastern Africa.

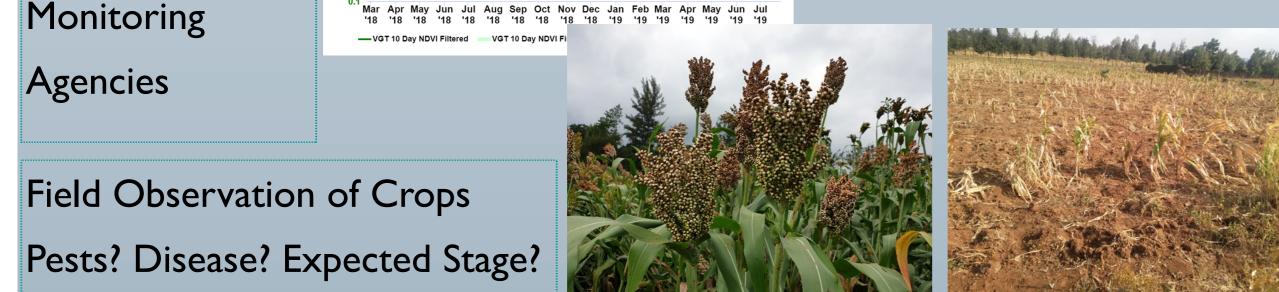
AREA COVERED

recurrent droughts observed in a larger part of the region. Climatic analysis have shown that droughts are becoming more frequent in the region. This has been causing frequent food insecurity due to livelihoods being affected. In the IGAD State of the Region report (2016), agriculture's important role in food security, socio-economic development and even socio-political stability is highlighted. Thus with increasing droughts there has been an increasing trend of resource caused conflict and human migration.



METHODS

Regional Crop Monitor Information Network (Multi sourced information for National & Regional Maps Crop Conditions Reporting Monthly Reports on Crop crop conditions) Conditions **Reports & Statistics** Dashboard **Crop Condition** tions are much better than average* at time of reporting. This label is used only during Satellite Derived Information he arain-filling through harvest stage Conditions range from slightly below to slightly above average at reporting t I time and possibility for the crop to recover to average conditions if the ground situation 碲 his label is only used during the planting-early vegetative and the vegetative Crop conditions are well below average. Crop yields are likely to be 10-25% below average. his is used when crops are stunted and are not likely to recover and impact on production ♥ ८ 🗯 rop conditions are extremely poor. Crop yields are likely to be 25% or more below average N 🖒 🏷 1 1 🚓 ited Republic of Tanzania - Singio Report on Drivers of Negative • 泳 戦 🛸 免 Conditions Crops of National Importance National Crop Very Poor -

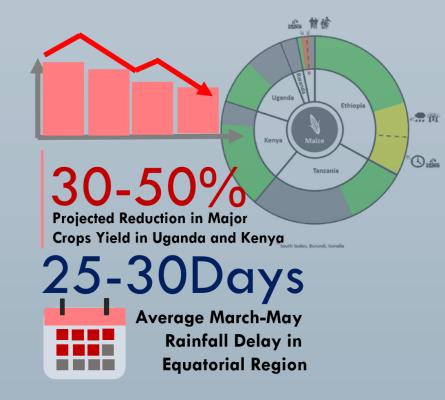




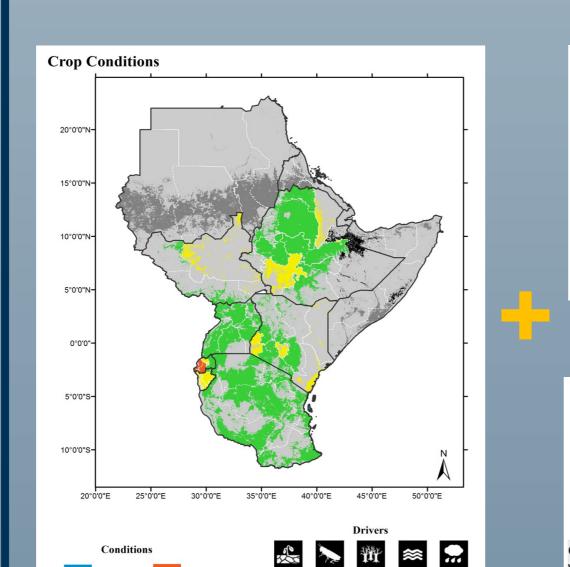


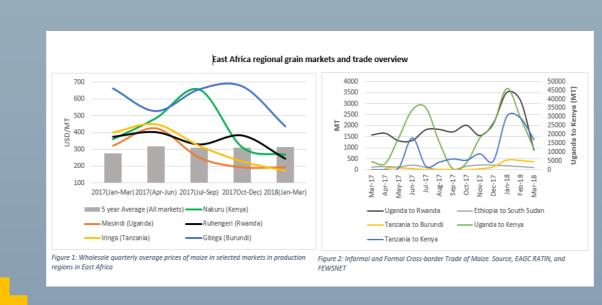
Drivers: 戦の稼業 A.

Planting-Early Vegetative, Vegetative-Reproductive, Ripening Through Harvest, Harvest (End of Season), Out of Season



Crop Conditions RESULTS: Information for Seasonal Monitoring and Early Warning **Crop Conditions** Components of Regional Crop Early Warning 20°0'0" 5°0'0" 0°0'0 Climate nformation 5°0'0"

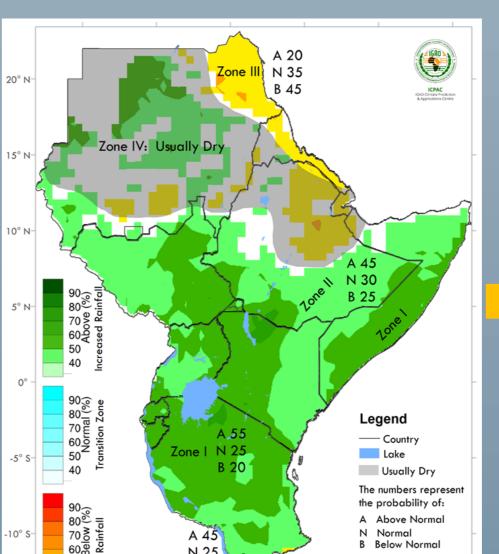




Grain Trade Commodities in

Major Production Markets





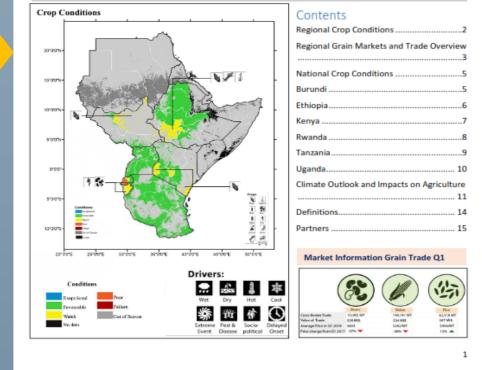
Regional Seasonal Climate

Outlook

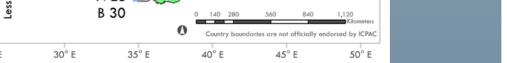
Seasonal Eastern Africa Crop Monitor Bulletin & Early Warning Info.

EASTERN Eastern Africa has been

- ate stocks. With inbound stocks from Tanzania and U rease towards the end of guarter-2 of 201







DISCUSSION & CONCLUSION

Crop

Conditions

The Eastern Africa Crop Monitor continues to gain a range of information users. Regional Food Security Nutrition Working Group uses the information contained to develop advisories on that status of food security in their monthly updates. In April 2019 ICPAC lead a multi-sector organization action call for early action in response to developing drought conditions in the region using Crop Monitor as one of the information sources. There is a user demand in having food production of the main crops to guide decision makers on exact interventions. The project is currently exploring EO solutions of crop yield estimation and forecast for early action and improved planning. The service is enhancing the development of actionable early warning information.

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