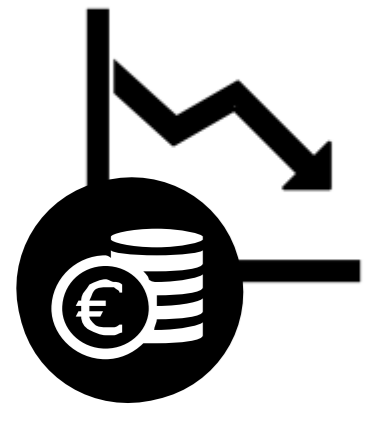


## Breads from African Climate-Resilient Crops for Improving Diets and Food Security

### Global Challenges...



Africa is increasingly dependent on imported wheat, while traditional crops are underutilized.



Refined wheat replaces traditional crops in the diet, and due to the increasing price, no longer affordable for the most vulnerable.



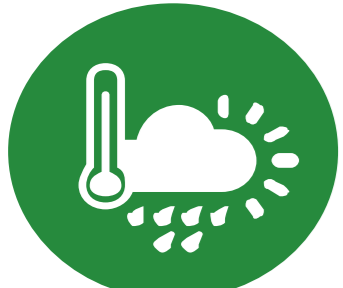
Due to climate change, maize yields in Africa are expected to decrease by 30% in 2050.

### ...affecting people's daily lives



Peter is chapati-maker in the Kasanvu Slum in Kampala, Uganda. His wheat flour chapatis with some beans (Kikomando) are a popular meal and important part of the daily diet. The prices of wheat and fuel are increasing rapidly, but Peter can't raise the prices as his low income clients can't afford it. Peter is forced to make the size of his chapatis smaller and smaller, leaving the stomachs of his clients more and more unfilled.

### NUTRIFOODS project developed bread-type products from African crops.



Climate Resilient Crops like sorghum, cow pea and cassava are highly resistant to high temperatures and drought. Need less fertilizer and prevent soil degradation. Crop heterogeneity enhances biodiversity.



These crops provide valuable ingredients for attractive bread products and offer commercial opportunities, create jobs and employment and reduce Africa's dependency on imported wheat.



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A combination of sorghum, cow pea and cassava is more affordable compared to imported wheat



and provides a highly nutritional product with proteins, dietary fibres and micronutrients.



Various products like chapati and tin breads successfully produced in practice and now being commercialized. Mandazi etc. to follow.



### Currently being implemented commercially in Uganda, where next?



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