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# FOOD SYSTEMS & FOOD SECURITY IN THE MIDDLE EAST & AFRICA

For the third year  
in a row, there has been  
a **rise in world  
hunger**

Source: WHO

In 2017,  
climate shocks led to  
acute food insecurity in  
23 countries, affecting  
**39 million people**,  
the majority of which  
were in Africa

Source: ACPF

In 2017,  
**124 million people**  
across 51 countries and  
territories faced "crisis"  
levels of acute food  
insecurity

Source: Relief Web Intl

There were **821 million  
undernourished**  
people in 2017

Source: United Nations

Globally,  
a child dies every 3  
seconds due to  
hunger, equivalent to  
**10,000 children**  
every day

Source: ACPF

Worldwide, a projected  
**50% production increase**  
will be required to feed a global  
population of almost **10 billion  
people** by 2050

Source: FAO

## CAUSES OF GLOBAL FOOD INSECURITY

- Conflict & Violence
- Adverse Climate Events
- Economic Slowdowns



## FOOD INSECURITY IN AFRICA

Africa has the highest prevalence of  
**undernourishment**

Over **257 million** African people are  
**hungry**

**50 percent of all child deaths**  
in Africa are caused by hunger

Child hunger costs African countries  
between **1.9 and 16.5% of their  
GDP**

Without increased efforts, the world  
will fall short of achieving the **SDG  
target of eradicating hunger**  
by 2030

Source: ACPF

# FOOD INSECURITY & AGRICULTURE IN SOUTHERN AFRICA



## QUICK FACTS & FIGURES

By 2050 South Africa will have to produce 50% more food to feed an estimated population of 73 million people



Source: WWF

Meat and milk demand is expected to rise by more than 200%



Source: World Resources Institute

## SIGNS THAT THE FOOD SYSTEM IS FAILING

Increasing trends in food poverty, hunger and malnutrition

A lack of dietary diversity

Child stunting

Greater vulnerability to disease

An obesity epidemic

## FOOD, NUTRITION, HEALTH & WELLBEING IN SOUTH AFRICA

**33%** of all food in South Africa goes to waste



A healthy basket of food can cost up to **65%** more than junk food

**>50%** increase in consumption of processed food since 1994



**27%** of children under the age of 5 experience stunted growth

**71%** of South African women are overweight or obese

Source: WWF South Africa

South Africa is the **most food secure country** on the African continent

Source: 2017 Global Food Security Index



South Africa ranked **44 out of 133** countries based on food **affordability, availability, quality and safety**

Source: 2017 Global Food Security Index



However, in 2017, **6,8 million** South Africans experienced hunger

Source: Stats SA

**Almost 20% of South African households had inadequate access to food in 2017**



Source: Stats SA

# FOOD INSECURITY & AGRICULTURE IN NIGERIA



Agriculture is the mainstay of Nigeria's economy, employing **two-thirds** of the labor force

Source: FAO

Nigeria ranks **103rd out of 119** countries in the 2018 Global Hunger Index

Source: Global Hunger Index



In 2017, agriculture contributed around **20.85% to Nigeria's GDP**

Source: Statista

About **90 million people** live in extreme poverty

Source: WEF

Of an estimated **71 million hectares** of cultivable land, only half is currently used for farming

Source: Food Security Portal

## FOOD, NUTRITION, HEALTH & WELLBEING IN NIGERIA



An estimated **2 million children** in Nigeria suffer from severe acute **malnutrition**

Malnutrition is a direct or underlying cause of **45% of all deaths** of children under 5



**7% of women** of childbearing age also suffer from acute malnutrition

At the same time, child **obesity** is increasing and **33%** of Nigerian adults are obese or overweight



## FURTHER THREATS TO FOOD SECURITY IN NIGERIA

Lack of political will to sustain the agricultural economy

Over-reliance on oil & gas for economic growth

Lack of infrastructure

Over-farmed land

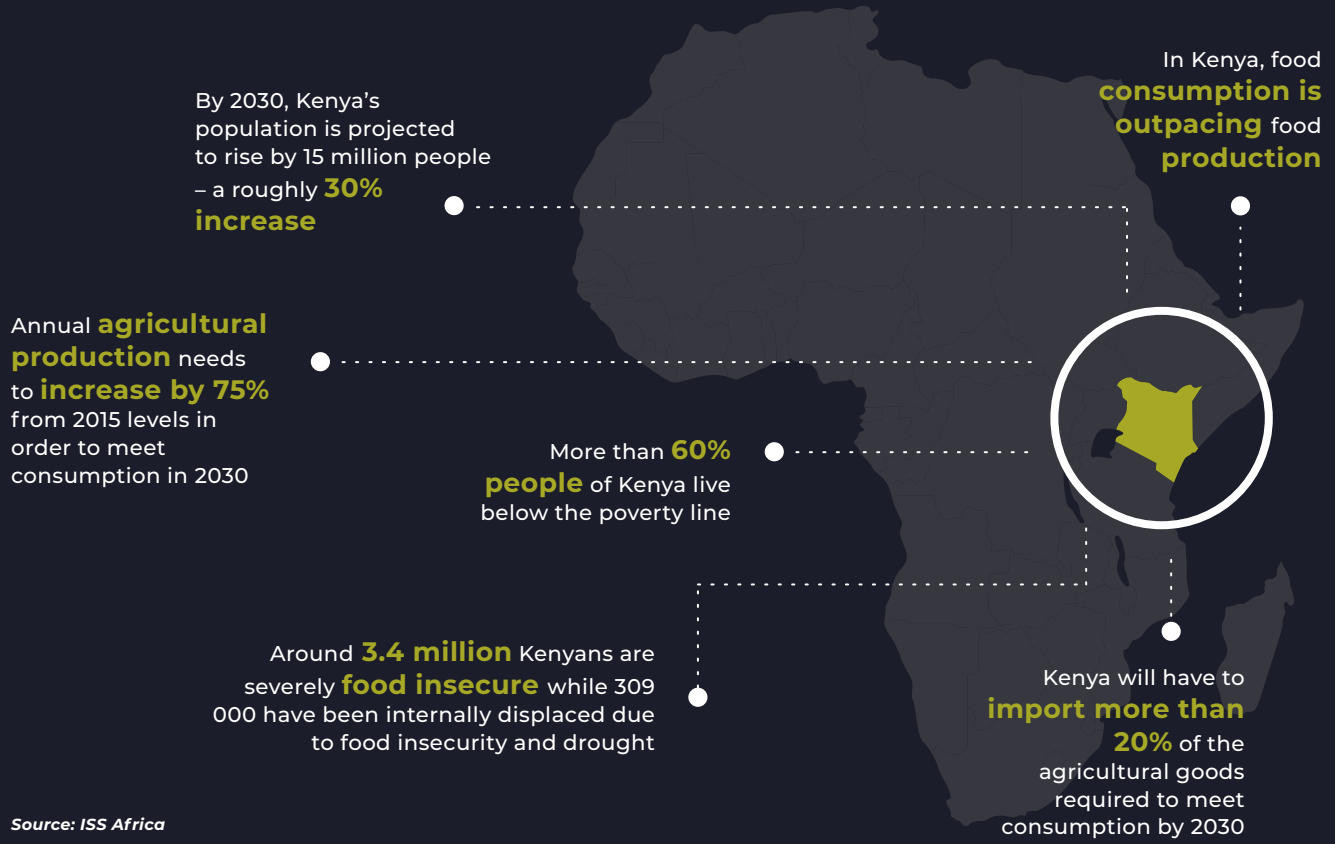
Deforestation

Overgrazing



Drought in the north & erosion and flooding in the south

# FOOD INSECURITY & AGRICULTURE IN KENYA



Source: ISS Africa

## STATE OF THE AGRICULTURAL SECTOR IN KENYA

Agriculture contributes **26%** to Kenya's GDP annually, and another **25%** indirectly

Agriculture supplies **65%** of Kenya's total exports and provides more than **18%** of formal employment

Small-scale production is **75%** of the total agricultural output



These farmers produce more than **70%** of **maize**, **65%** of **coffee**, **50%** of **tea**, **80%** of **milk**, **85%** of **fish**, and **70%** of **beef** products

Source: Kenya Agricultural Research Institute



## REASONS FOR LOW AGRICULTURAL OUTPUT IN KENYA

Low productivity in the agricultural sector

Rapid population growth

Only 2% of arable land is equipped for irrigation

Farmers struggle to gain access to finance, adequate seed, fertiliser and other inputs

Low uptake of new technology

Effects of climate change



# FOOD, NUTRITION, HEALTH & WELLBEING IN KENYA

More than **42% of people** in Kenya live below the poverty line

Source: UNICEF

Malnutrition is the single greatest contributor to **child mortality at 53%**

Source: WHO

Kenya faces a **double burden of malnutrition** - undernutrition and overweight, obesity and diet-related non-communicable diseases



**1 in 4 Kenyan children** are malnourished

Source: Save the Children

A further **2 in 5 Kenyan** children in rural areas are stunted

Source: Save the Children

**26%** of Kenyan people aged 15-49 are **overweight**, with **7% classified as obese**

Source: Emergency Nutrition Network



# FOOD INSECURITY & AGRICULTURE MIDDLE EAST & NORTH AFRICA (MENA)



● By 2050 the Middle East and Africa will be home to **3.4 billion people**

Source: WEF

● This population growth combined with climate change and geopolitical tensions has resulted in a high level of **dependence on agricultural imports**

● The region **imports 40%** of its food requirements

Source: INRA

● **Unsustainable farming practices** are widespread

● **Undernutrition, malnutrition, and obesity** coexist in the region

● **Two-thirds of arable land** in MENA is planted with water-thirsty cereals that result in a limited diet

Source: The Lancet



**33 million** people suffer from undernutrition contributing to half the region's deaths of children under five

Source: WFP

The number of malnourished children under 5 in MENA was expected to fall from 3 million to 1 million between 2000 and 2050. Instead, **due to climate change, 2 million malnourished children** could remain by 2050

Source: WFP

In those hardest hit by crises — Syria, Yemen, Iraq, Libya and Sudan — an average of **more than a quarter** of the population is **undernourished**

Source: WFP

