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FOR STRATEGIC STUDIES

Security Implications of Megatrends

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at the National Defense University in Washington DC on 10 September, 2019

Overview

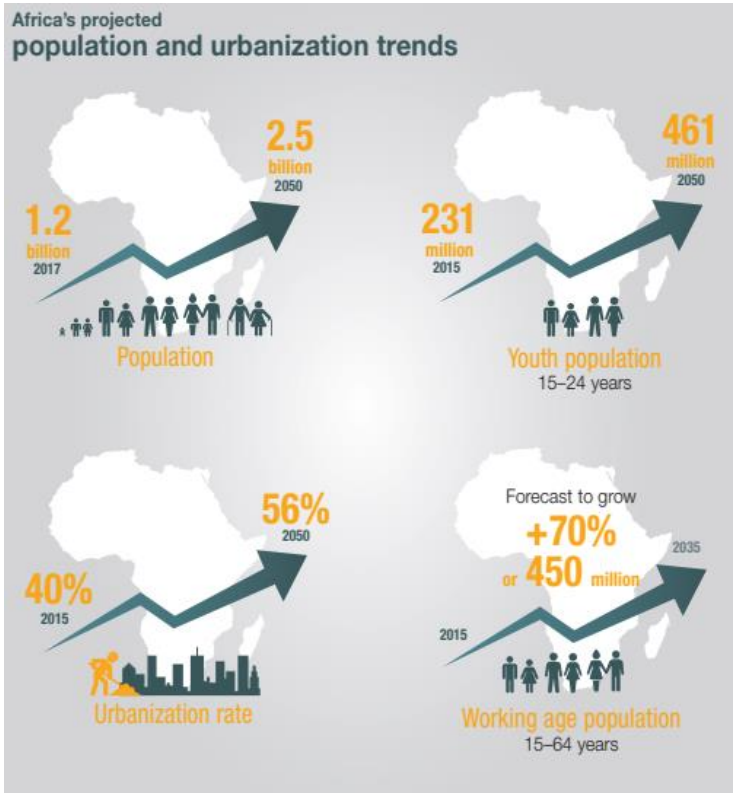
Overview of megatrends

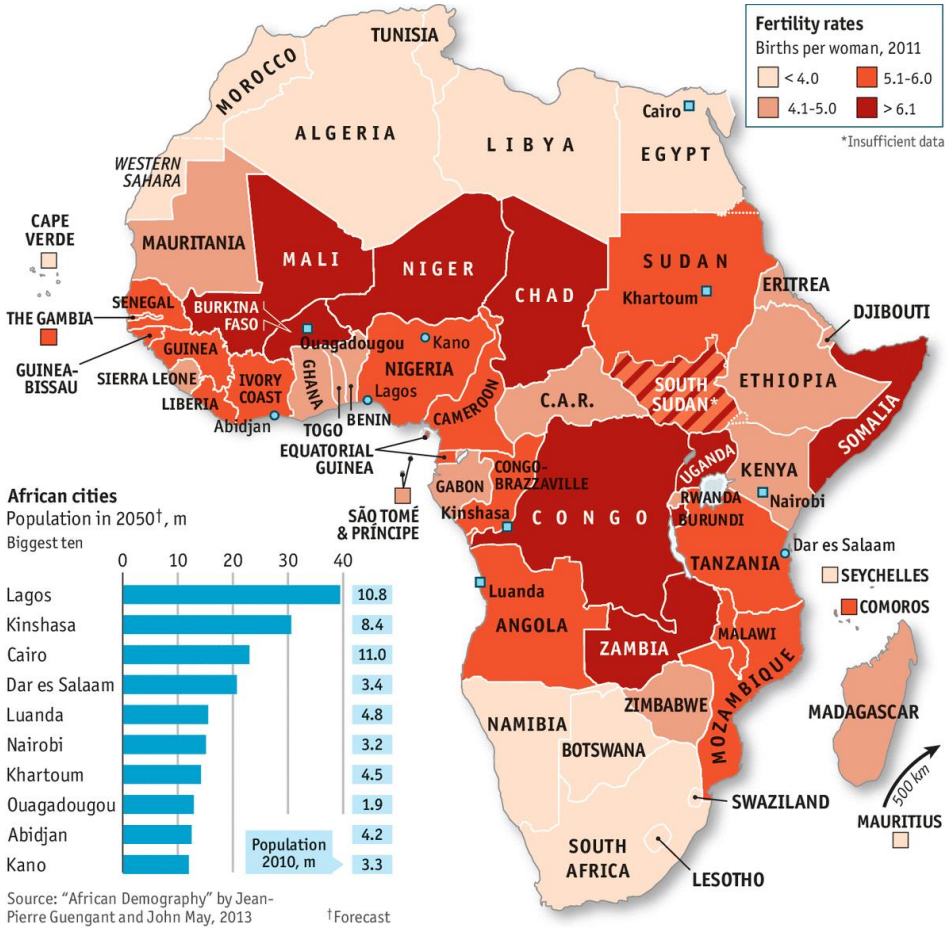
Implications for Insecurity

Mitigating Risk

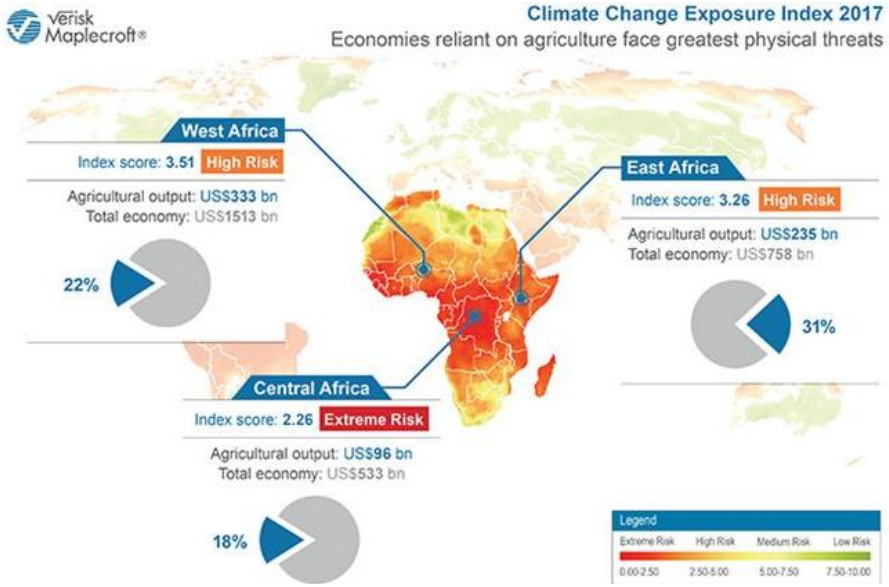
A Theory of Change

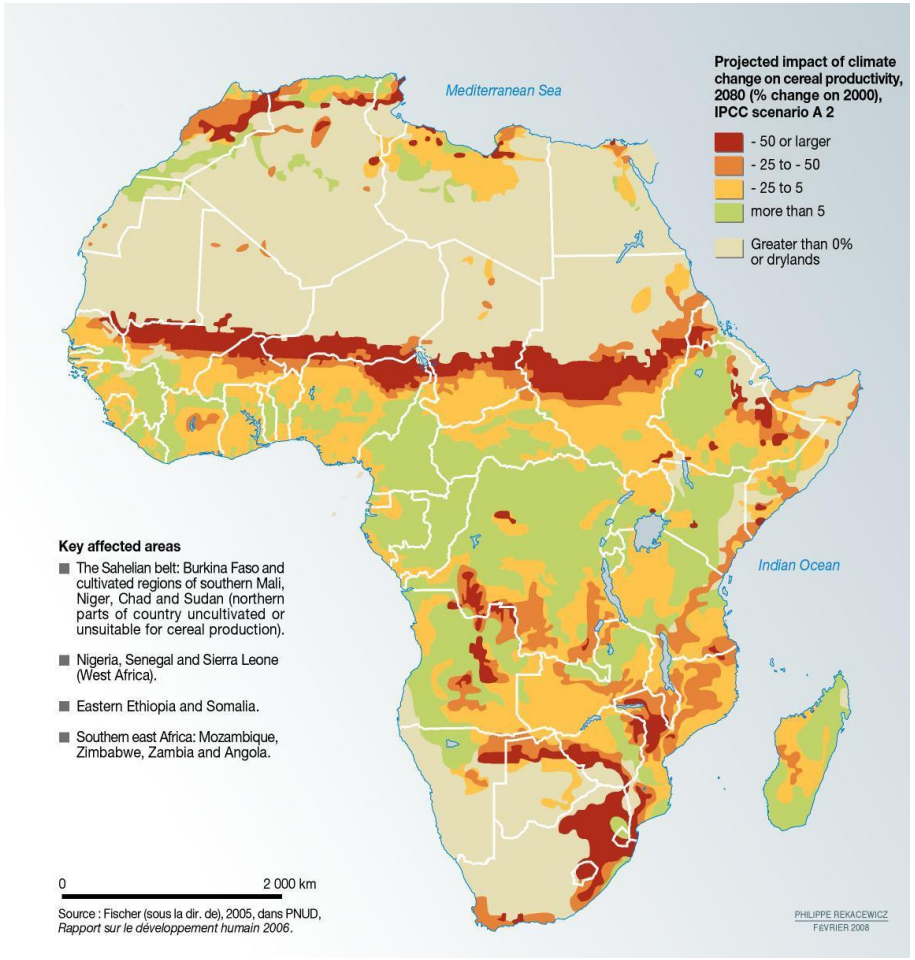
Demography


Africa's projected
population and urbanization trends
2.5
billion
2050
1.2
billion
2017
Population
461
million
2050
231
million
2015
Youth population
15–24 years
56%
2050
40%
2015
Urbanization rate
Forecast to grow
+70%
or 450 million
2035
2015
Working age population
15–64 years

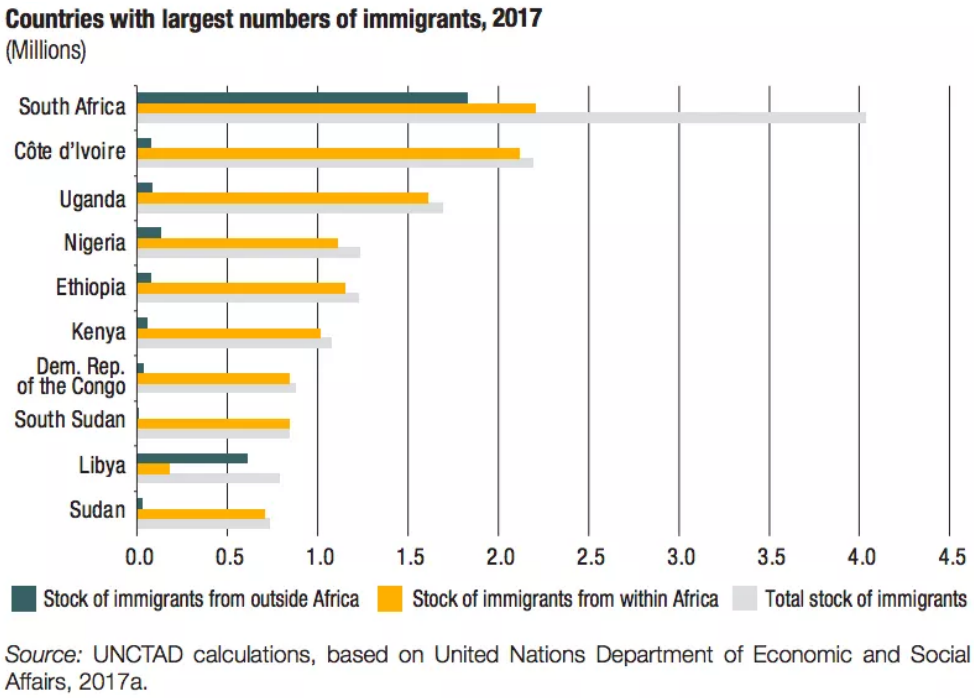

Fertility rates
Births per woman, 2011
< 4.0
4.1-5.0
5.1-6.0
> 6.1
*Insufficient data
TUNISIA
MOROCCO
ALGERIA
LIBYA
EGYPT
Cairo
WESTERN SAHARA
CAPE VERDE
MAURITANIA
MALI
NIGER
CHAD
SUDAN
Khartoum
ERITREA
DJIBOUTI
THE GAMBIA
SENEGAL
BURKINA FASO
GUINEA
GUINEA-BISSAU
SIERRA LEONE
LIBERIA
IVORY COAST
GHANA
TOGO
BENIN
Ouagadougou
Kano
NIGERIA
Lagos
Abidjan
CAMEROON
C.A.R.
SOUTH SUDAN*
ETHIOPIA
SOMALIA
EQUATORIAL GUINEA
SÃO TOMÉ & PRÍNCIPE
GABON
CONGO-BRAZZAVILLE
Kinshasa
C O N G O
UGANDA
RWANDA
BURUNDI
KENYA
Nairobi
Dar es Salaam
TANZANIA
SEYCHELLES
COMOROS
Luanda
ANGOLA
ZAMBIA
MALAWI
MOZAMBIQUE
ZIMBABWE
NAMIBIA
BOTSWANA
MADAGASCAR
SWAZILAND
SOUTH AFRICA
LESOTHO
MAURITIUS
500 km
African cities
Population in 2050†, m
Biggest ten
0
10
20
30
40
Lagos 10.8
Kinshasa 8.4
Cairo 11.0
Dar es Salaam 3.4
Luanda 4.8
Nairobi 3.2
Khartoum 4.5
Ouagadougou 1.9
Abidjan 4.2
Kano 3.3
Population 2010, m
Source: "African Demography" by Jean-Pierre Guengant and John May, 2013
†Forecast

Climate

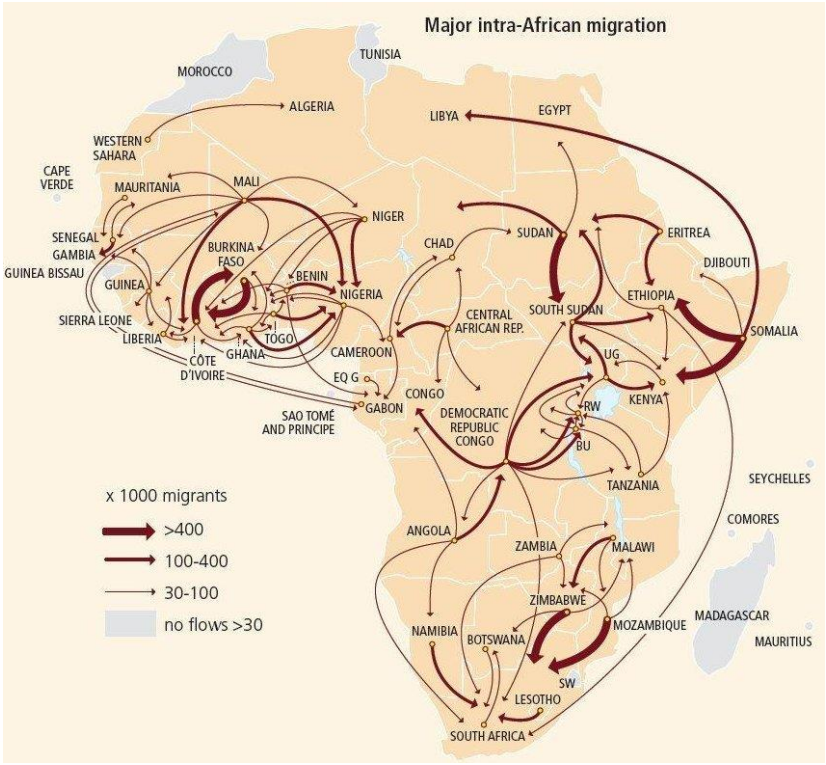

Verisk Maplecroft
Climate Change Exposure Index 2017
Economies reliant on agriculture face greatest physical threats
West Africa
Index score: 3.51 High Risk
Agricultural output: US$333 bn
Total economy: US$1513 bn
22%
East Africa
Index score: 3.26 High Risk
Agricultural output: US$235 bn
Total economy: US$758 bn
31%
Central Africa
Index score: 2.26 Extreme Risk
Agricultural output: US$96 bn
Total economy: US$533 bn
18%
Legend
Extreme Risk
High Risk
Medium Risk
Low Risk
0.00-2.50
2.50-5.00
5.00-7.50
7.50-10.00


Mediterranean Sea
Projected impact of climate change on cereal productivity, 2080 (% change on 2000), IPCC scenario A 2
- 50 or larger
- 25 to - 50
- 25 to 5
more than 5
Greater than 0% or drylands
Indian Ocean
Key affected areas
The Sahelian belt: Burkina Faso and cultivated regions of southern Mali, Niger, Chad and Sudan (northern parts of country uncultivated or unsuitable for cereal production).
Nigeria, Senegal and Sierra Leone (West Africa).
Eastern Ethiopia and Somalia.
Southern east Africa: Mozambique, Zimbabwe, Zambia and Angola.
0
2 000 km
Source : Fischer (sous la dir. de), 2005, dans PNUD, Rapport sur le développement humain 2006.
PHILIPPE REKACEWICZ
FEVRIER 2008

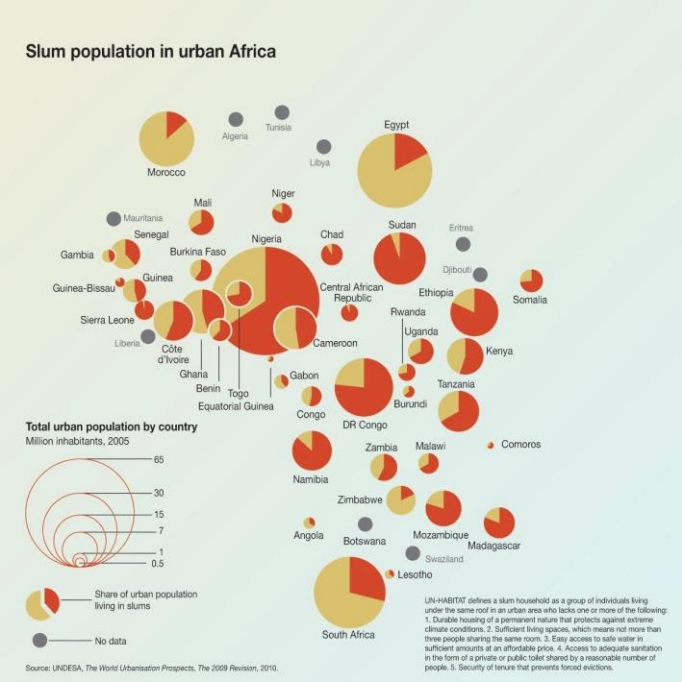
Migration



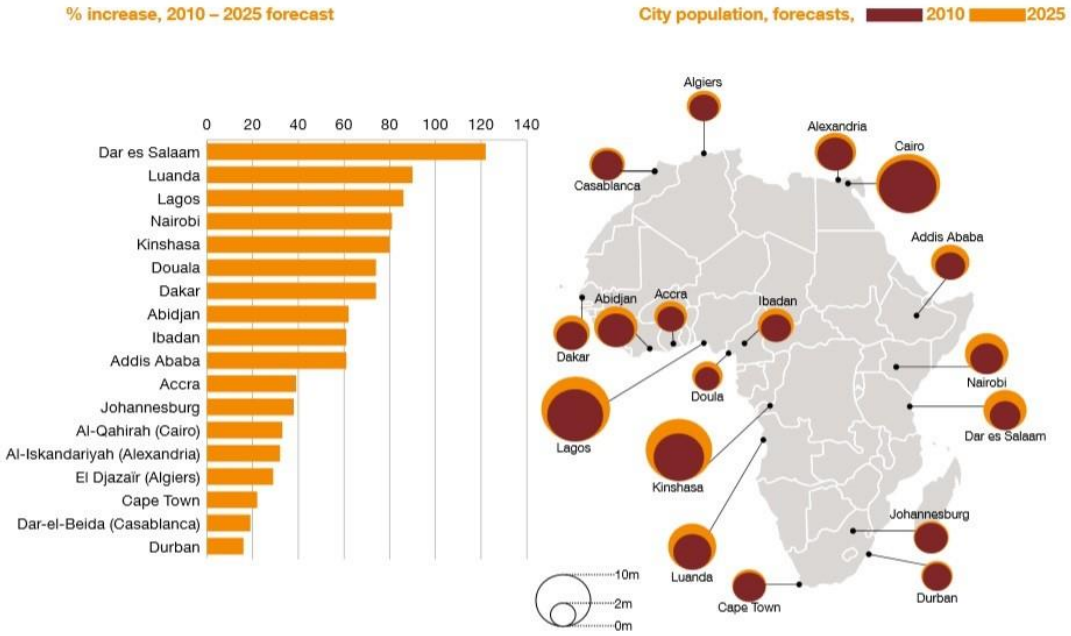
Source: UNCTAD calculations, based on United Nations Department of Economic and Social Affairs, 2017a.



Urbanization



Growth of Africa cities:



***Source**: United Nations Population Division, World Urbanisation Propectus, the 2014 revision*

Some Security Implications

- Resource competition
- State-citizen relationships
- Inter- and intra-group strife
- Trans-national crime
- Vulnerable groups

This train has left the station . . . . .

1. Slow the train down
   - *Medium- and longer term perspectives*

2. Redirect the train
   - *Focus on the opportunities*

3. Repurpose the train
   - *Creative partnerships*

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