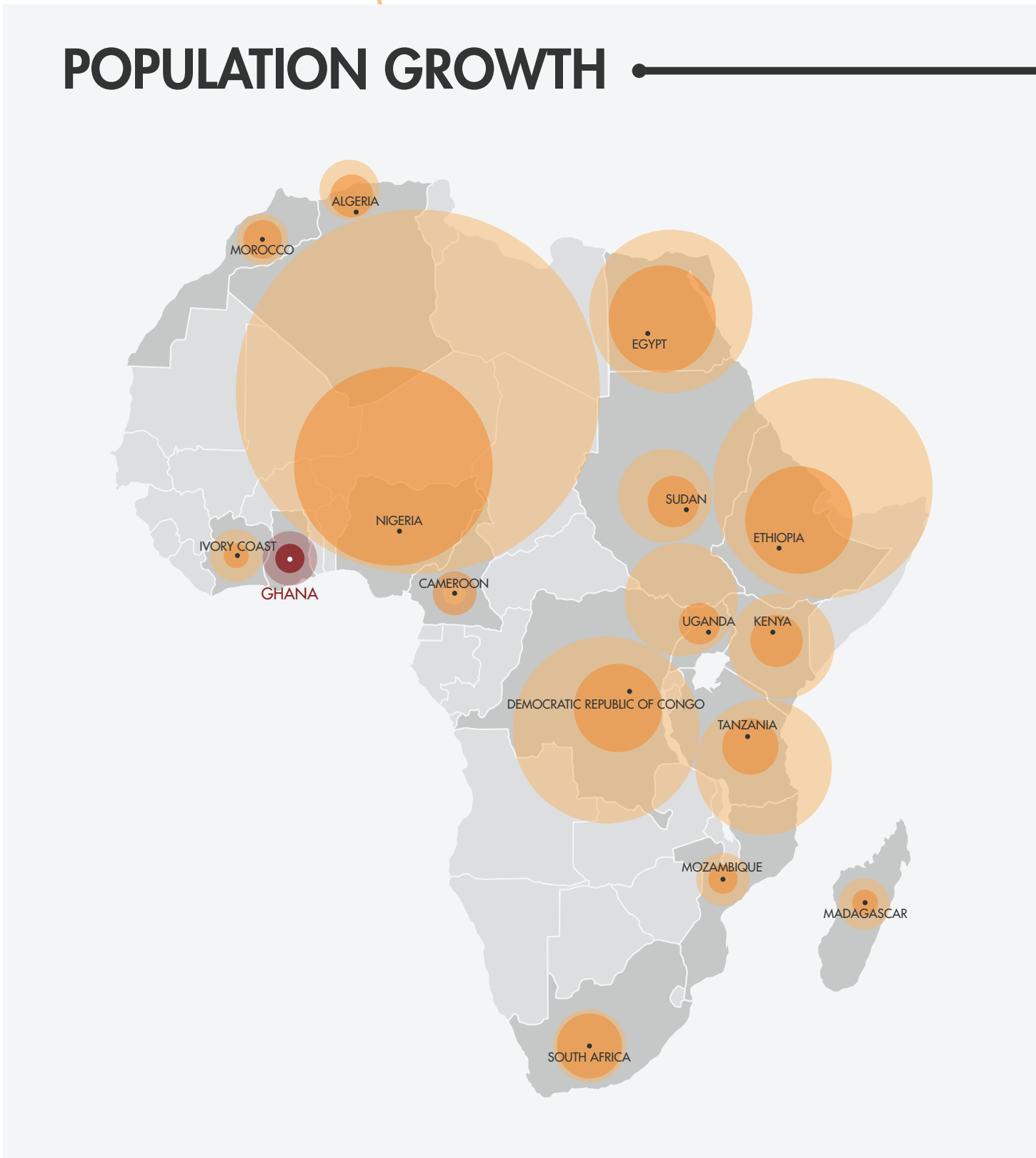


[Re]source Kumasi

Supplementing food with knowledge to work towards independent food security.

Ericka Brendel - Thesis Studio Spring 2013 - Professor Hajo Neis

POPULATION GROWTH



GENDER EQUALITY
women's rights
family planning



WATER
limited supply
use management
access to clean water



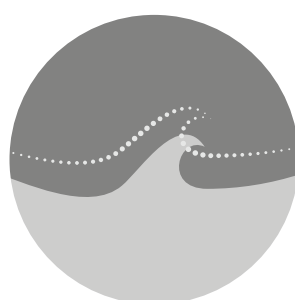
ACCESS TO INFO / TECHNOLOGY
access to education
access to research
access to knowledge



CLIMATE CHANGE
unforeseen weather
drought management
temperature fluctuations



FOOD SHORTAGE
limited supply
agricultural degradation
depletion of resources
limited land

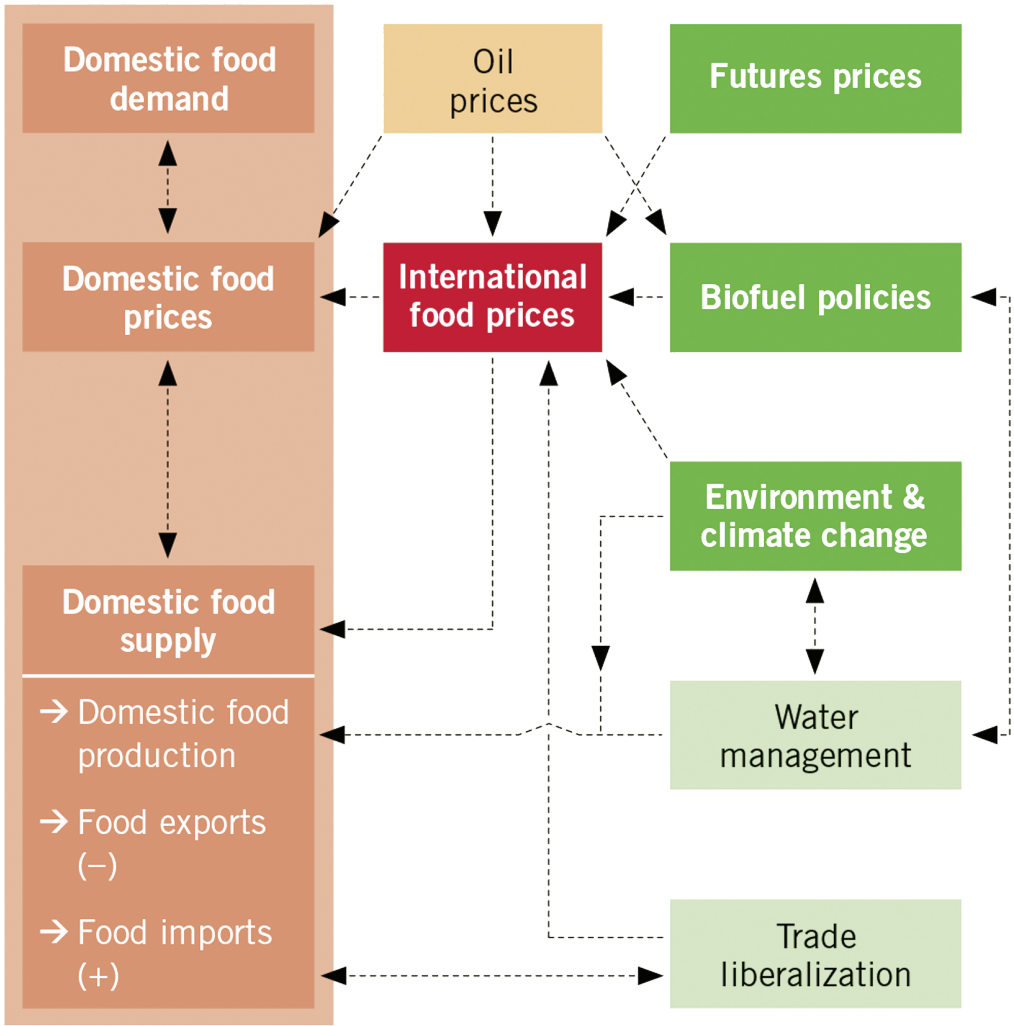


SPRAWL
un-manageable growth
cheap construction
poor planning
promotes population growth

FOOD SECURITY



2012 GHI REPORT: Market Volatility Factors

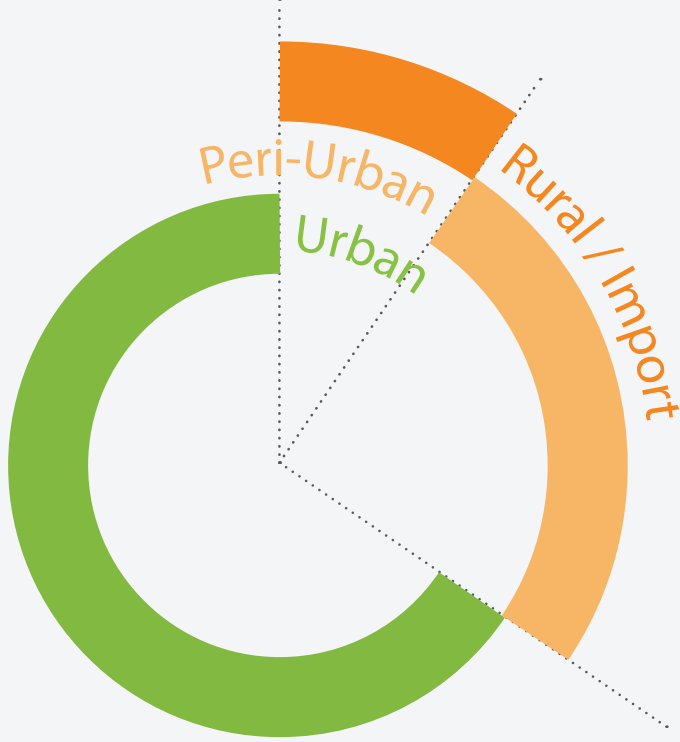


PILOT PROJECT

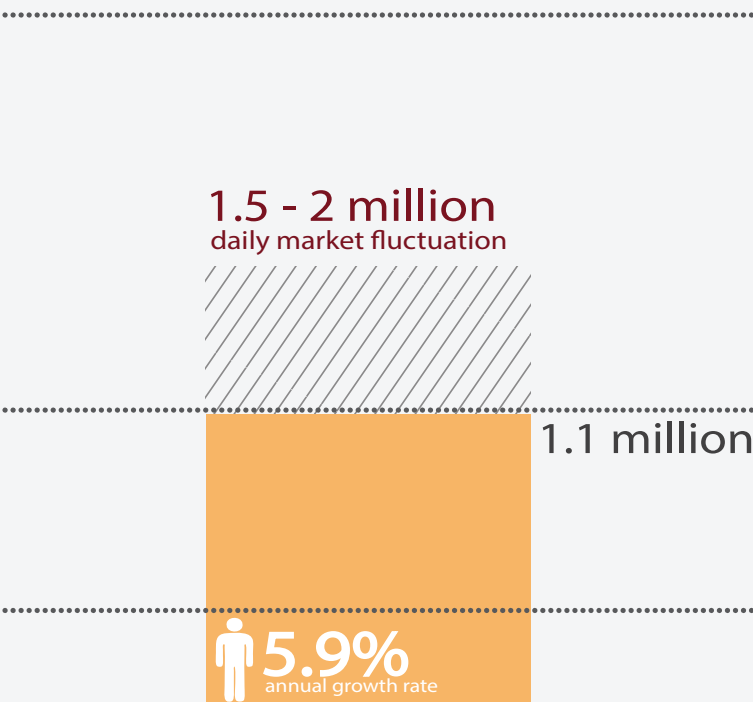


KUMASI, GHANA

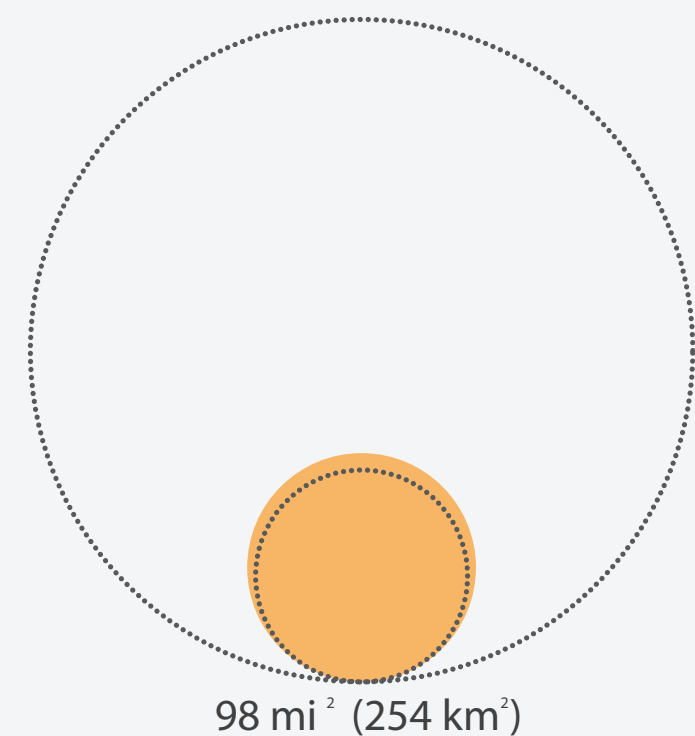
CONSUMER SOURCE



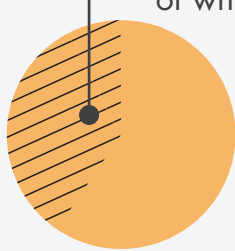
POPULATION



LAND USE



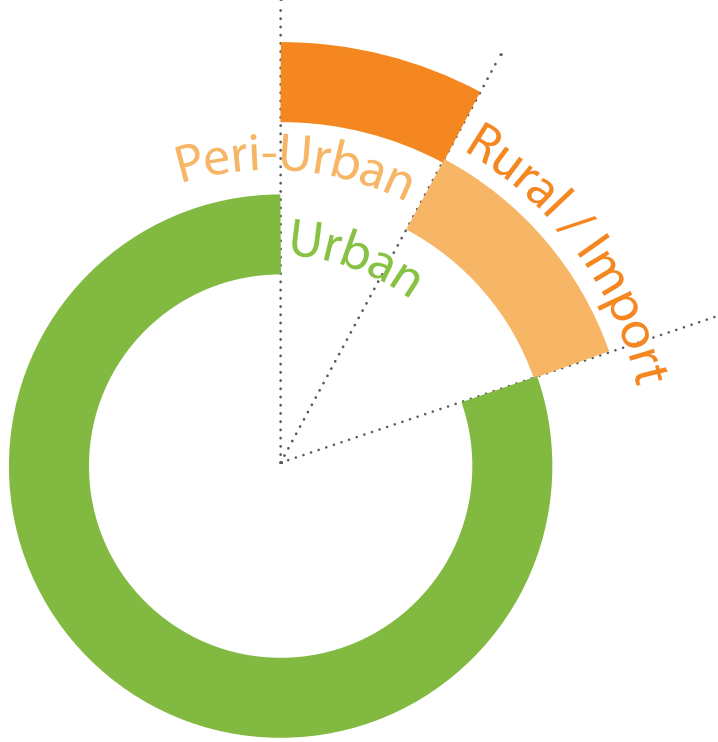
2/3
households have some vegetable farming



40% open land
approx. 101 acres (41 hectares)
of which high agricultural value

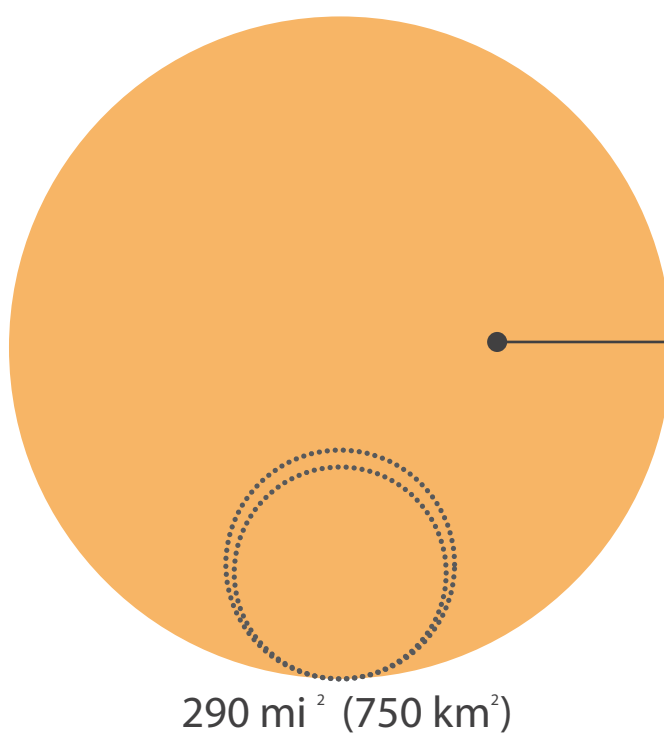


TAMALE



2.5%
annual growth rate

290,000

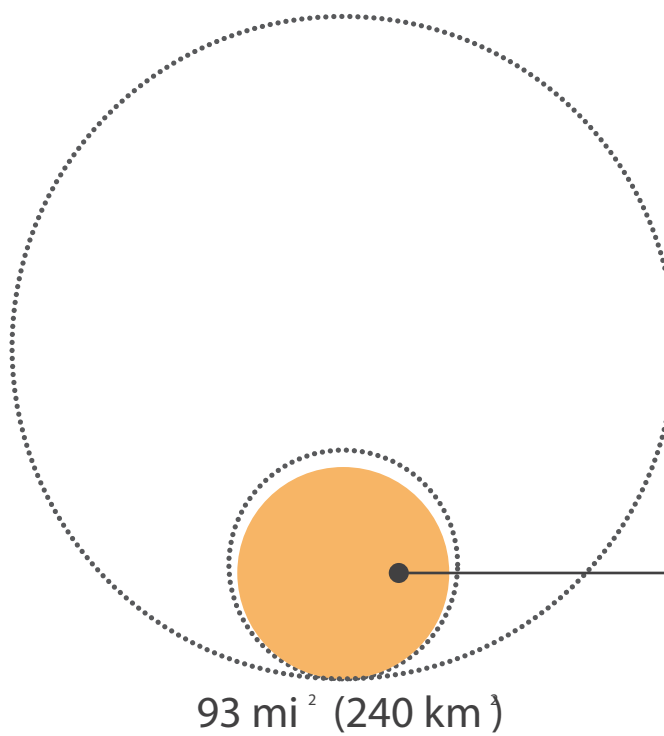
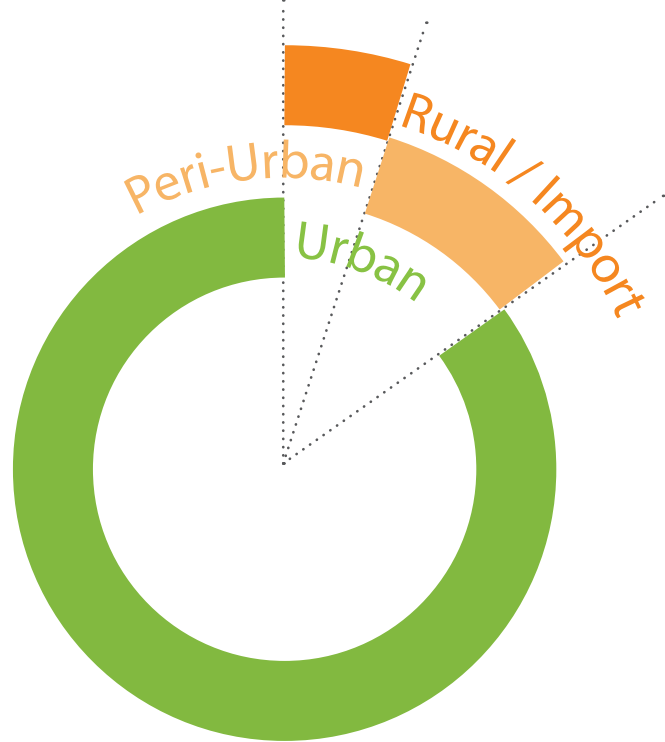


1/4
households have some farming / poultry

approx. 82 acres (33 hectares)
of land has high agricultural value



ACCRA



800,000
backyards have some farming / poultry

approx. 2417 acres (978 hectares)
of land has high agricultural value