

# Youth and Agriculture in the Climate Change Context

Inter University climate change dialogue on 20th October, 2015

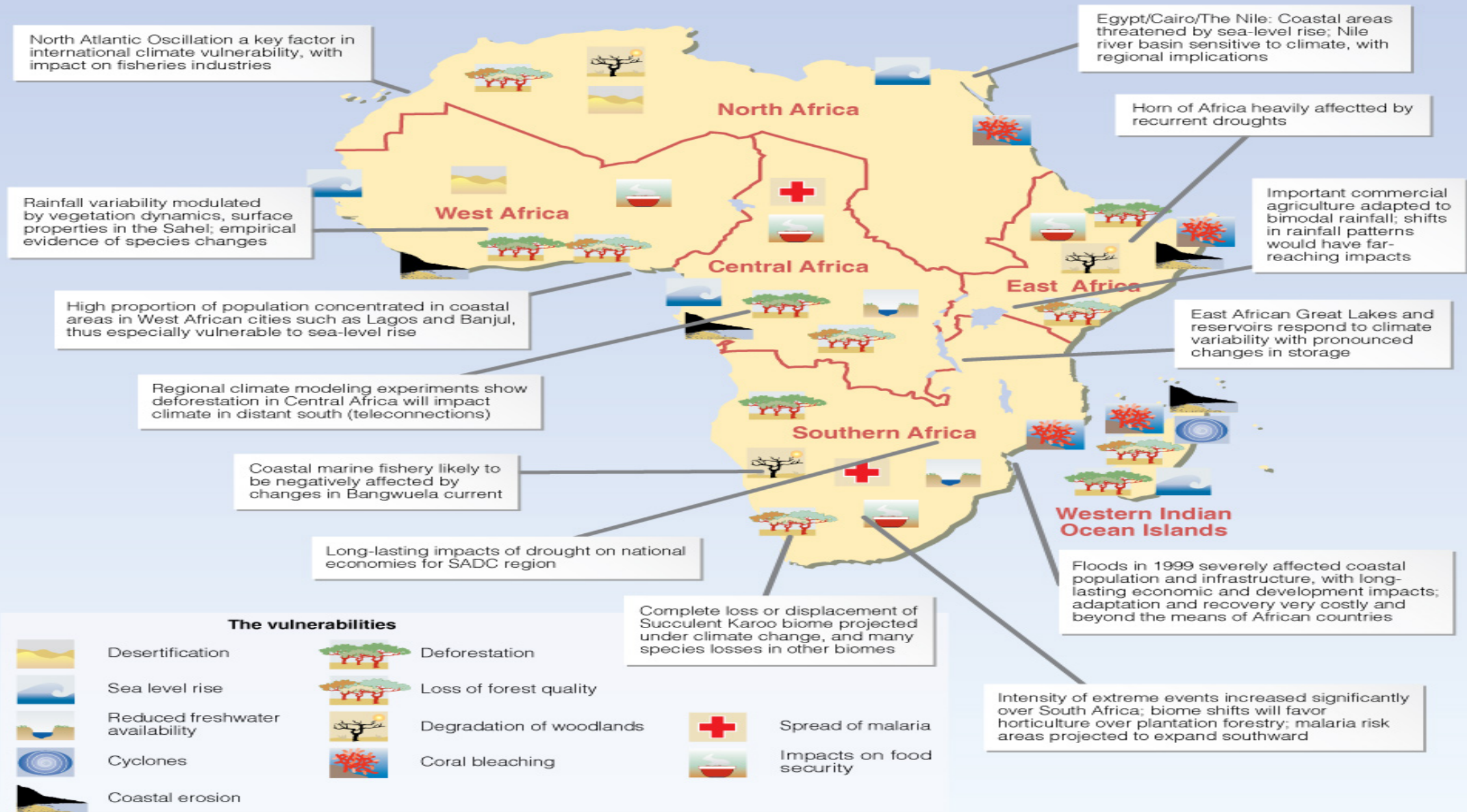
Kevin Kinusu

Techfortrade East Africa

# Outline

- ▶ Agriculture and Climate Change
- ▶ Key statistics
- ▶ Opportunities in Agriculture
- ▶ Role of the youth

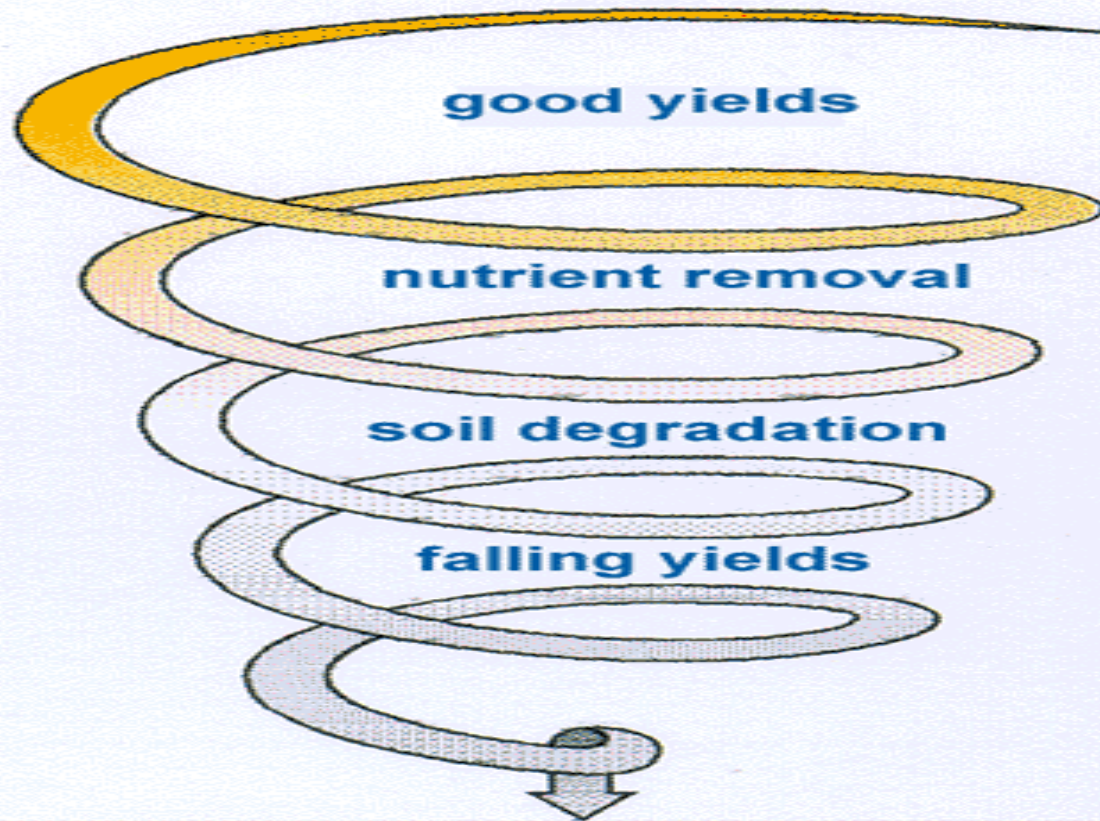
# Climate Change Vulnerability in Africa





# The downward spiral into the poverty trap

low population, long fallows, short cropping periods



**FAO**

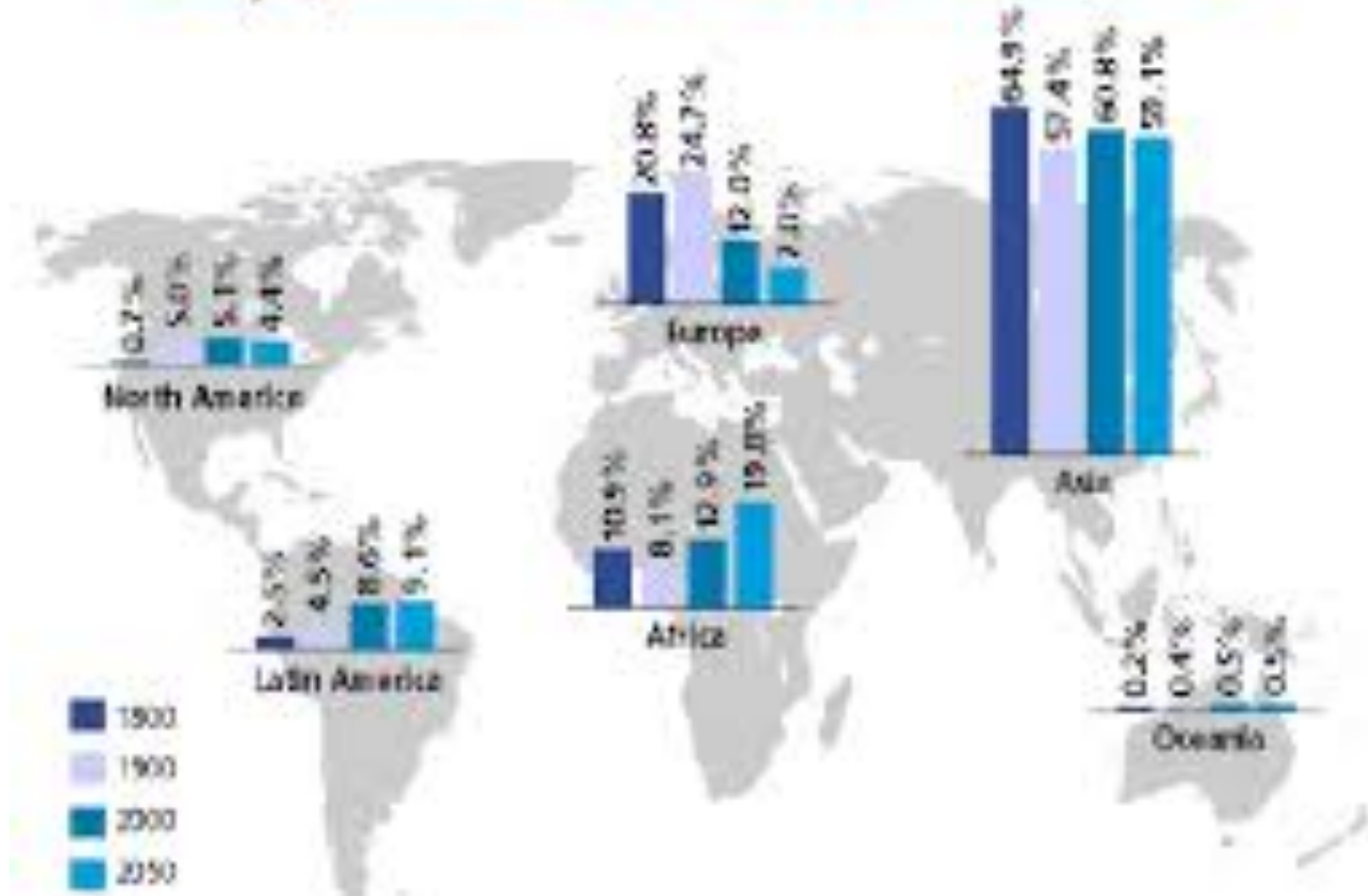
increasing  
population  
density

## POVERTY TRAP

high population,  
shorter or no fallow, and low yields  
persistent soil degradation  
expansion onto unsuitable soils

# Key Statistics

*Africa by 2050 will have a population equivalent to that of Europe, Australasia and the Americas combined*



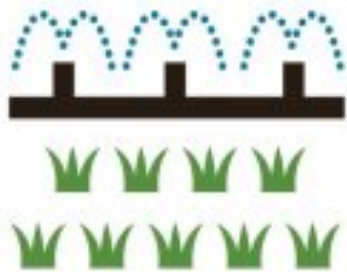


# We need Climate Smart Agriculture

## CROPS



Switching to varieties tolerant to heat, drought or salinity



Optimising irrigation



Managing soil nutrients and erosion

## LIVESTOCK



Matching animal numbers to changes in pastures



More farms that mix crops and livestock



Controlling the spread of pests, weeds and diseases

## FISHERIES



Switching to more abundant species



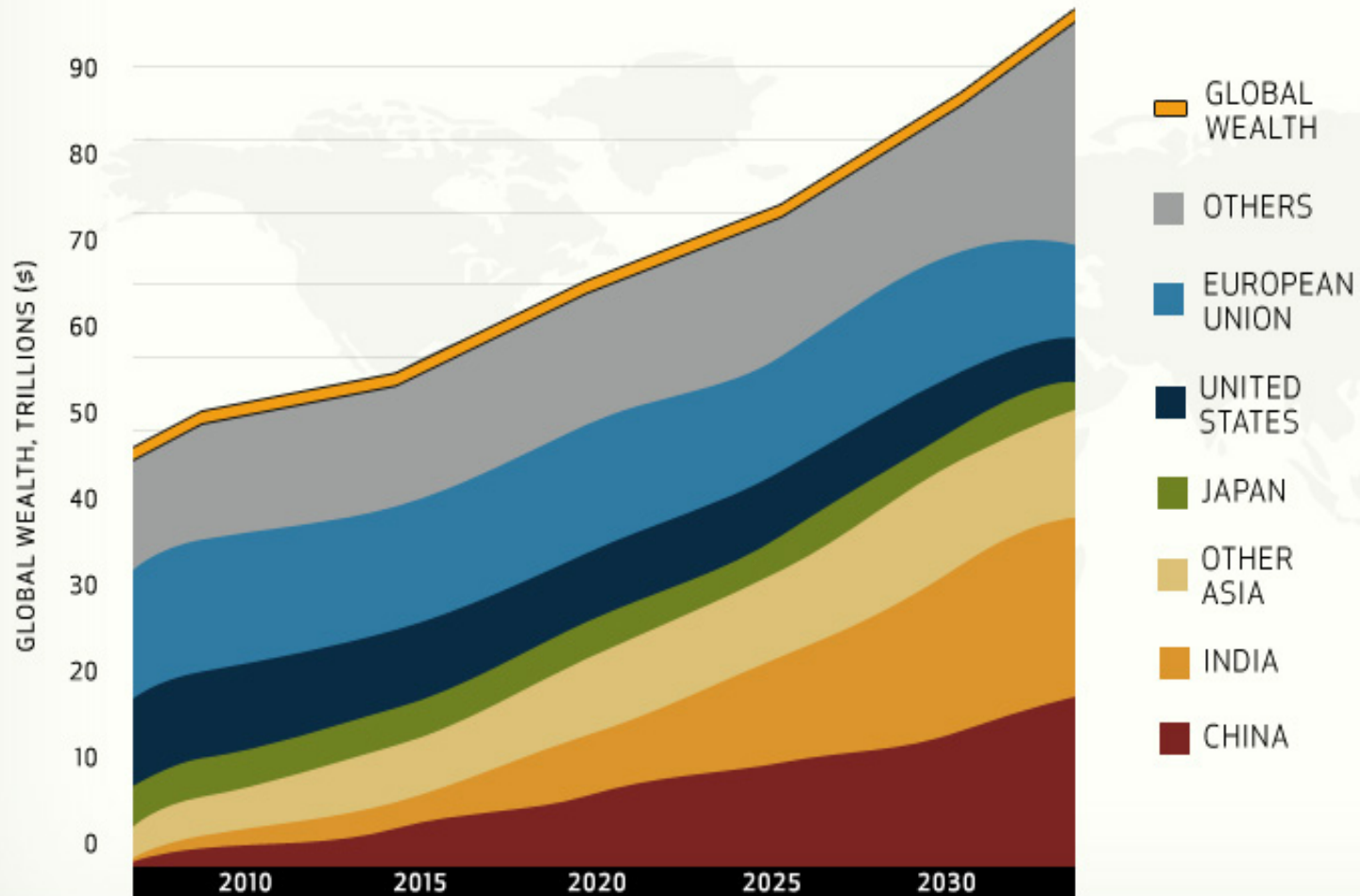
Restoring degraded habitats and breeding sites like mangroves



Strengthening infrastructure such as ports and landing sites

# Opportunities in Agriculture

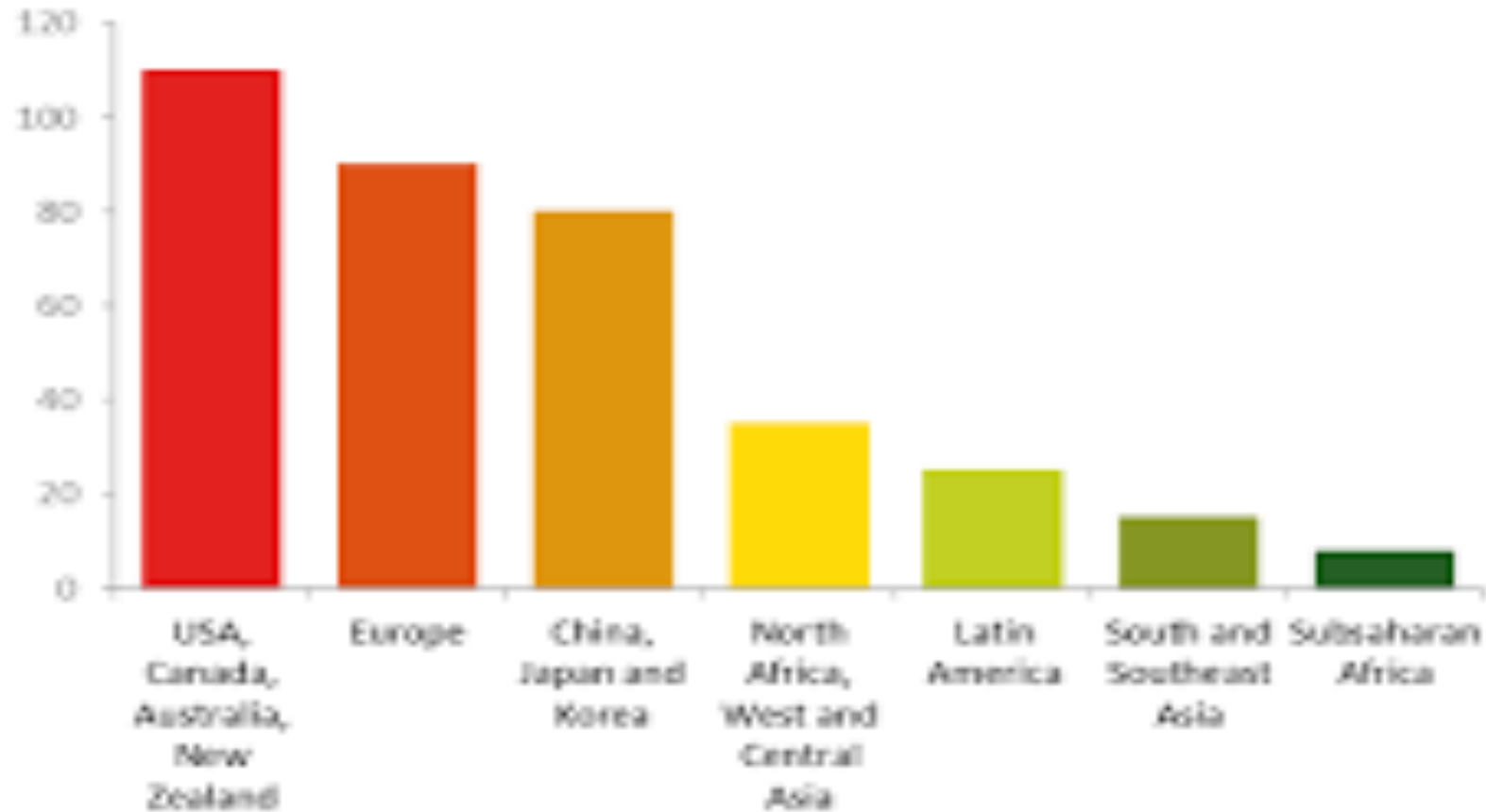
## FOOD DEMAND



By **2030**, the global economy could double in size, and India and China will swell to represent around 40% of global middle-class consumption, up from less than 10% in 2010. This will significantly alter the composition of global diets.

# Opportunities in Agriculture

Annual food waste by region (kg/person)



Note: Figures are consumer waste per capita based on data from 2007 in the FAO report 'Global Food Losses and Food Waste'. Globally consumer food waste amounts to roughly 350 Mt each year which equates to about 50 kg per person or 10% of total food supply.

Source: Gustavsson et al (2011), FAO



# Role of Youth

- ▶ Engage in agricultural value chains from pre production to consumption with a climate smart perspective
- ▶ Explore food loss and waste mitigation as avenue for emission reduction
- ▶ Soil protection and reclamation - the next frontier in climate mitigation

Thank You