

SUSTAINABLE GALS





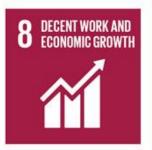
































By 2030:

World population

from 7.3 billion people in 2015 to 8.5 billion



By 2030:

5 out of the **7** fastest growing countries will be



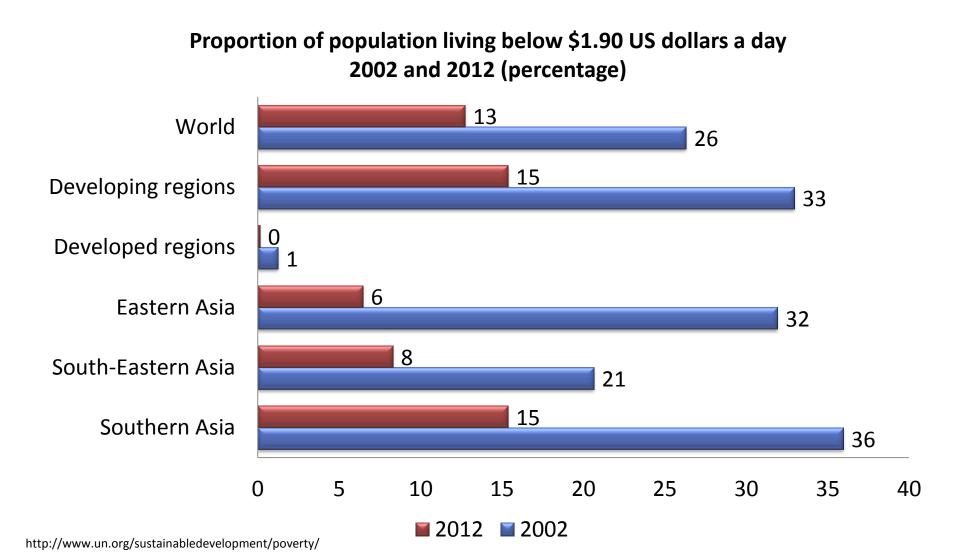
By 2030:

Global rice demand will rise 13% - from 479 million tons to 544 million tons

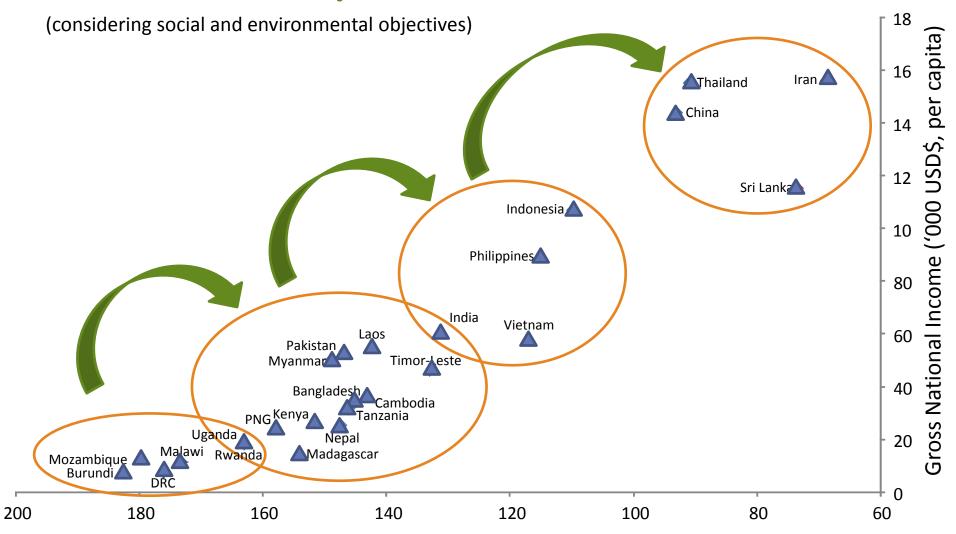
By 2030:

Asia will account for 68% of the total increase despite a diversifying palate

...including its poorest members?



The Development Ladder



Human Development Index Rank





Drivers of Change

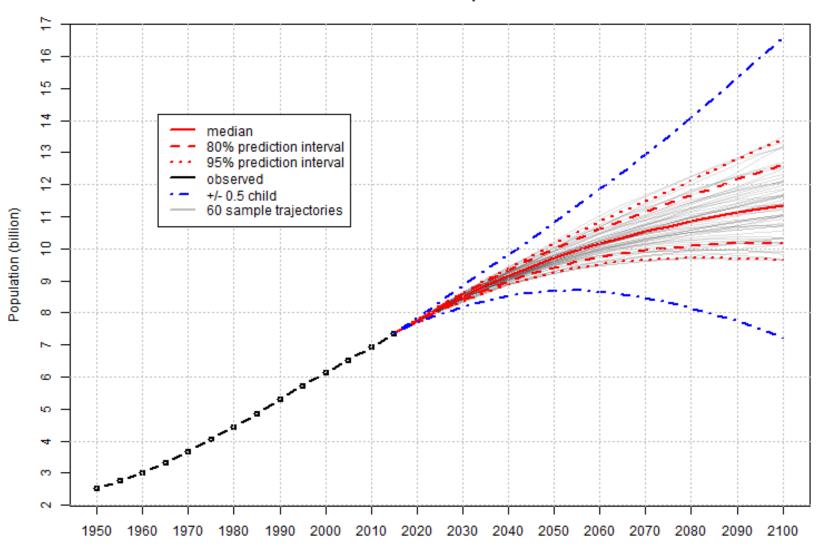
Population Growth

Urbanization



Rising Global Population

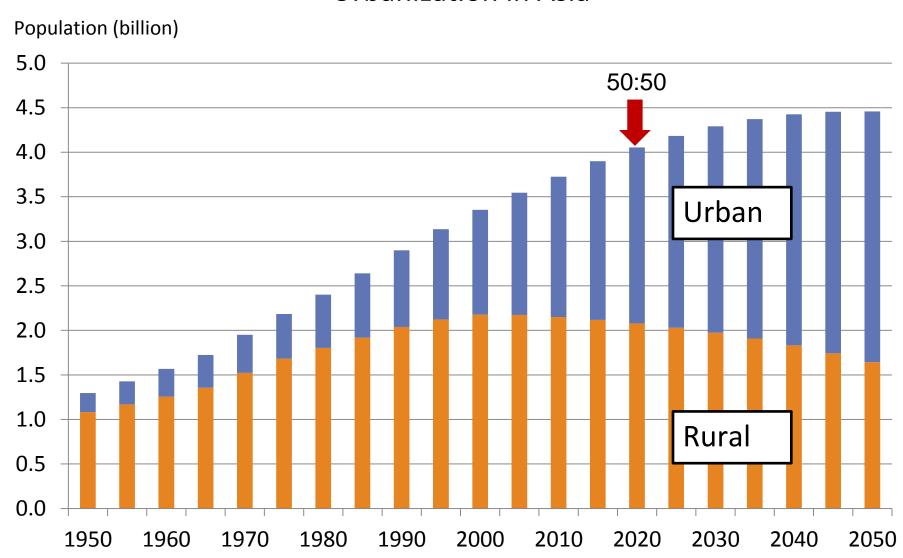
WORLD: Total Population



Source: United Nations, Department of Economic and Social Affairs, Population Division (2015). World Population Prospects: The 2015 Revision. http://esa.un.org/unpd/wpp/

Increasing Urbanization

Urbanization in Asia



Drivers of Change

Population Growth

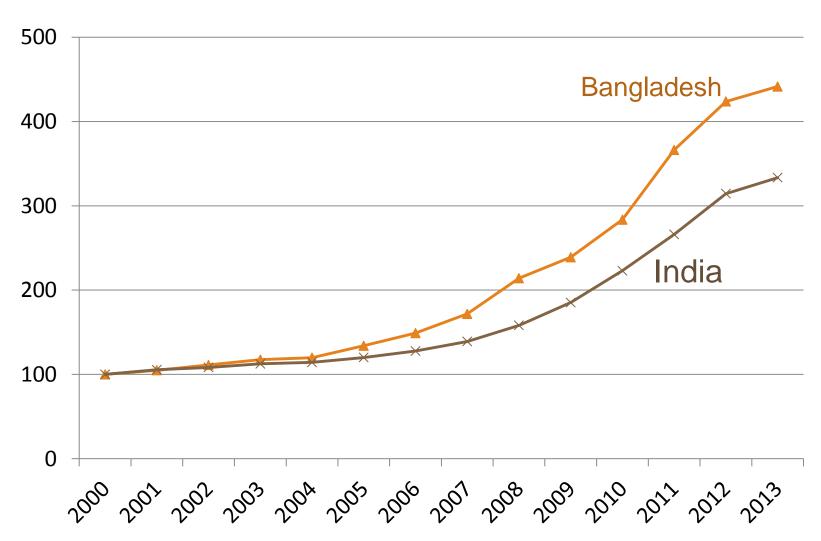
Urbanization

Cost and Availability of Inputs



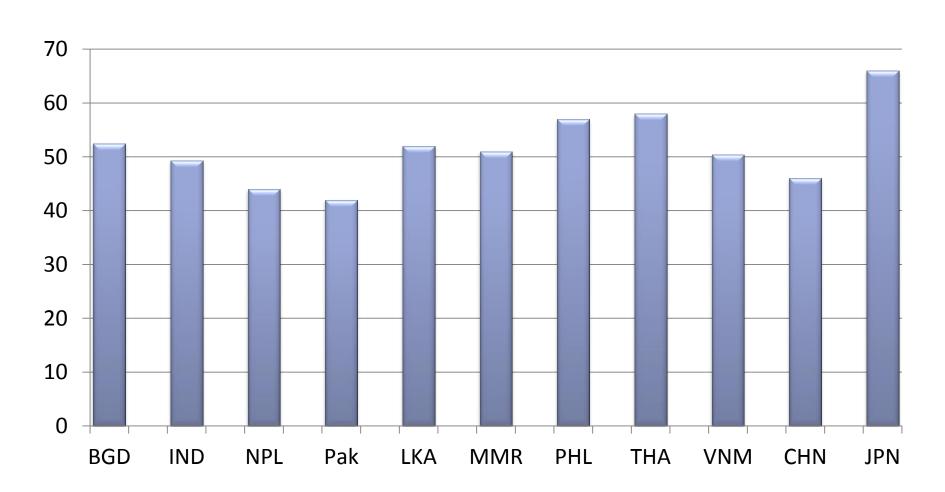
Rising Cost of Labour

Wage rates for agricultural labour (male), South Asia



Ageing Farmers

Age of farm household head (years)



Data source: Country statistics (2003-2011)

Drivers of Change

Population Growth

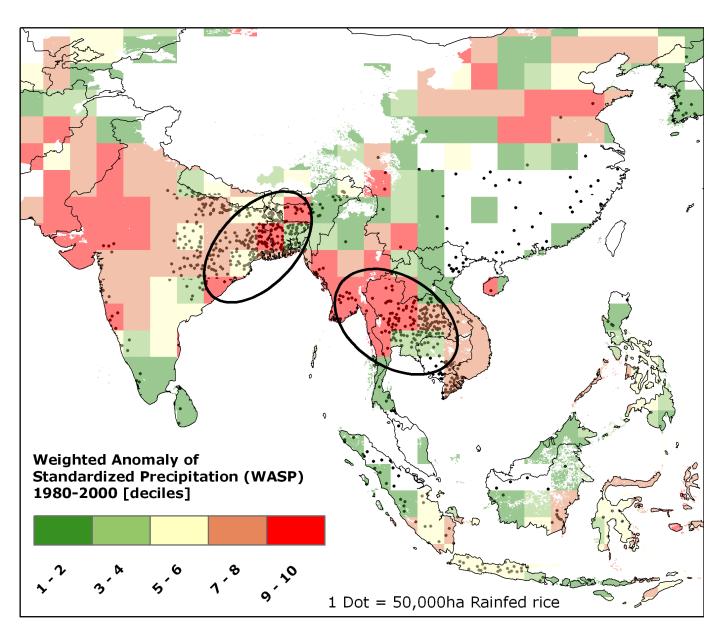
Urbanization

Cost and Availability of Inputs

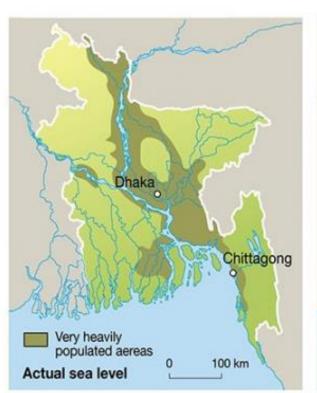
Climate Change



Variation in rainfall = Risk of drought



Potential effect of rising sea levels







Sources; Dacca University; Intergovernemntal Pannel on Climate Change (IPCC).

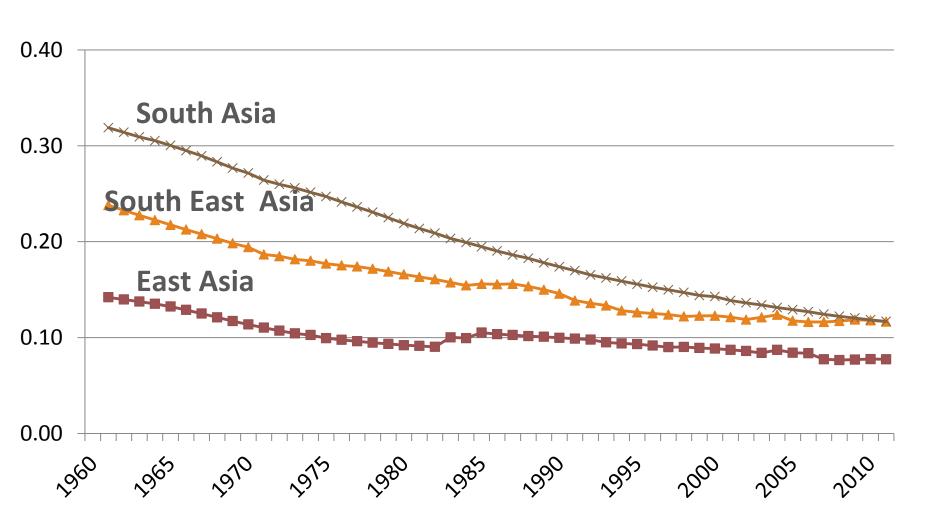
Climate Change Ready Varieties





Diminishing Arable Land

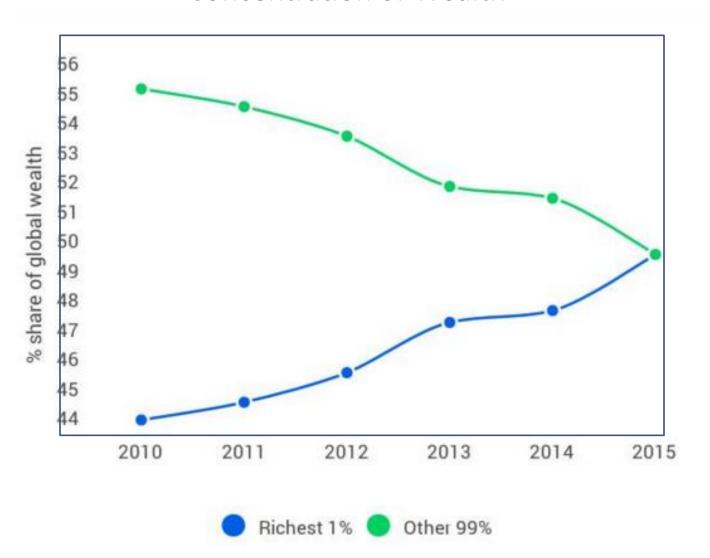
Per capita arable land (ha/person)



Data source: FAOSTAT (2013)

Economic Inequality

Concentration of Wealth



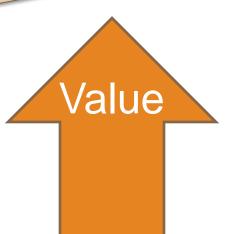
Source: Oxfam

Improving Livelihoods



- Seed
- Land
- Water
- Labour
- Fertilizer
- Losses
- Finance

- Yield
- Quality and nutrition
- Farming systems
- Sustainability
- Market access
- Partnerships
- Insurance, cooperatives
- Policy/ regulatory frameworks



Success Factors

