

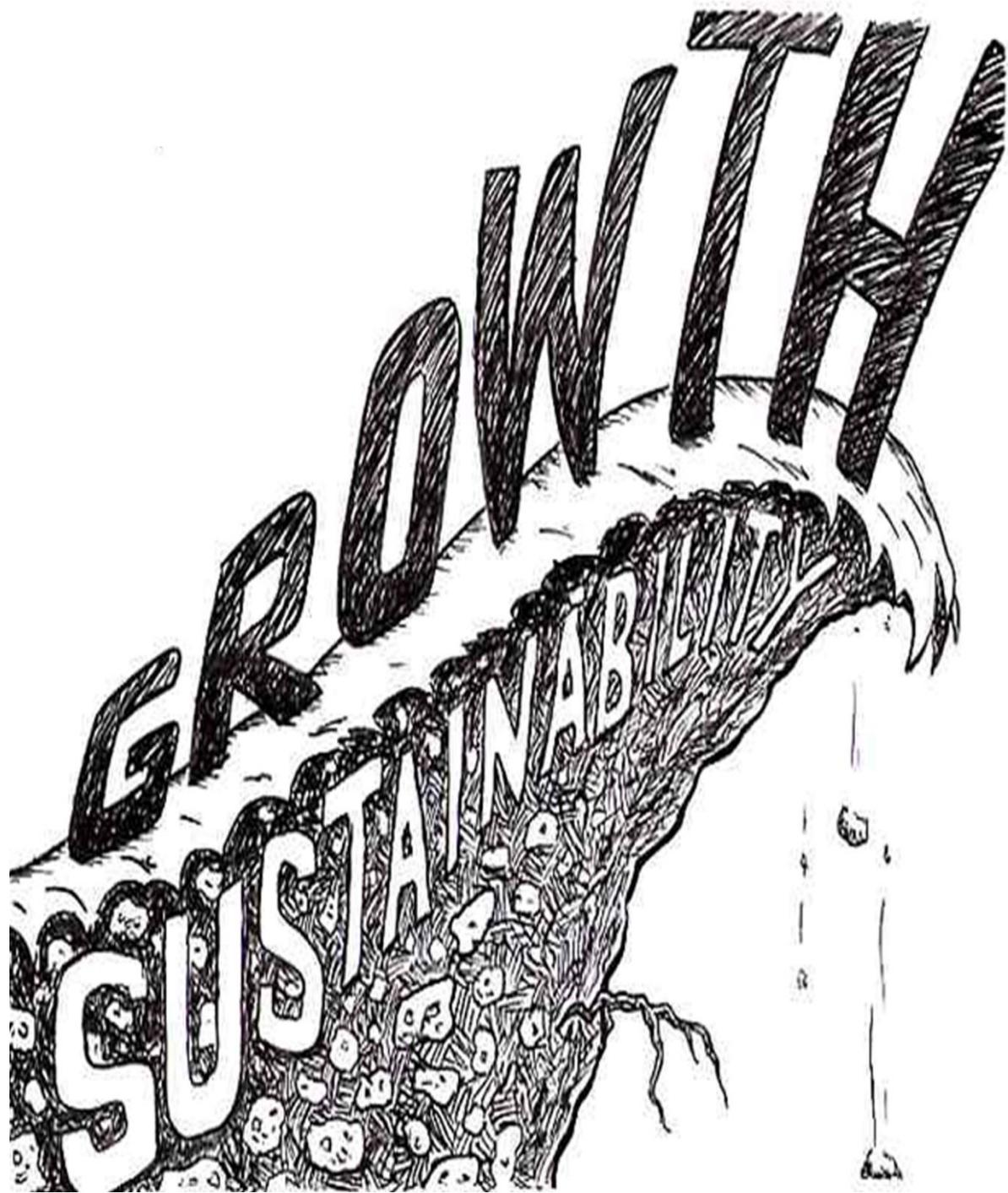


# Sustainable **ASIA**

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Sustainable Asia Leadership Program  
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Asian Development Bank

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Why?

Who?

What?

Sustainable  
Development

When?

How?

Questions  
surrounding



# Sustainable development

WHAT?



Meets the needs of the present without compromising the ability of future generations to meet their own needs

—*Brundtland Commission 1987*

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Holistic, equitable and far-sighted approach  
...strong economic performance...intragenerational and intergenerational equity

—*Rio+20*

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Lasting growth and reduction of poverty as requisites

—*ADB, WB*



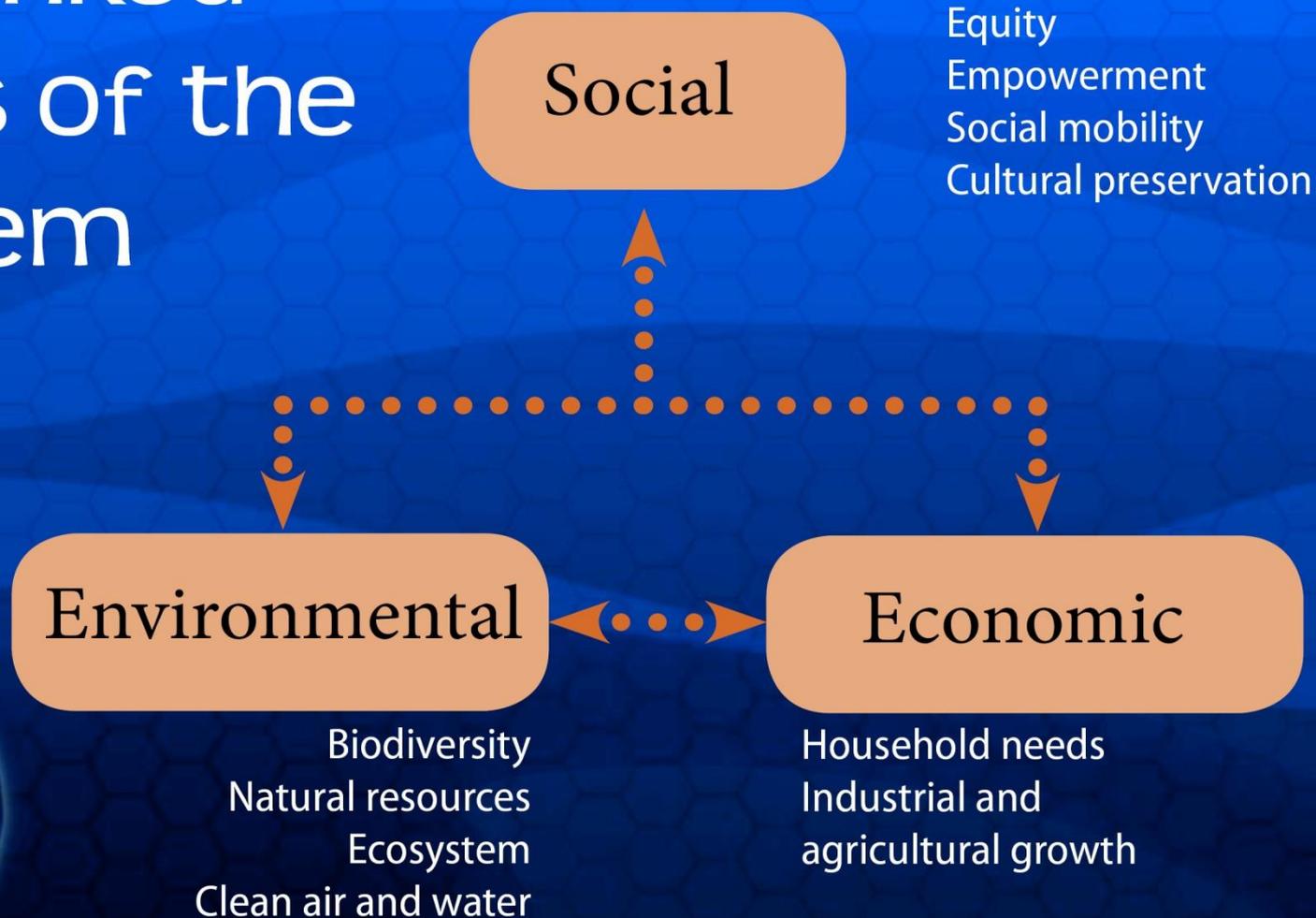
Indonesia



Global Footprint

what  
it's  
not?

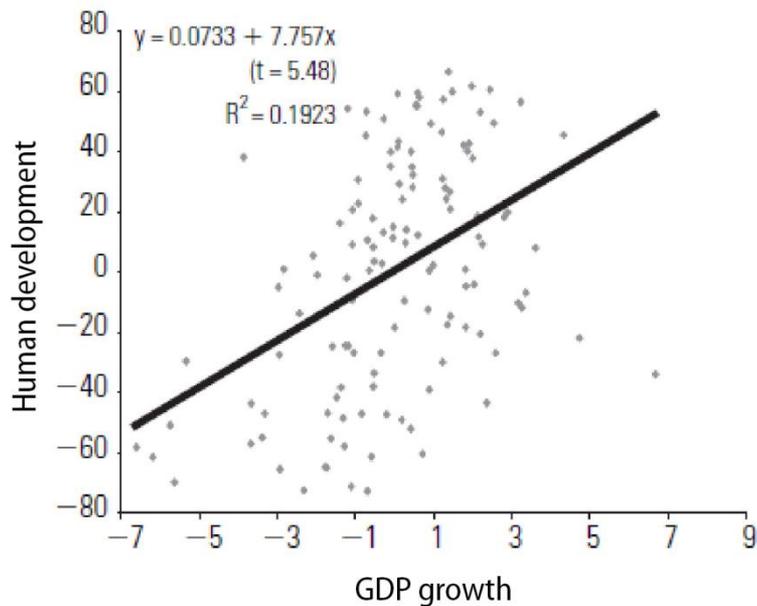
# Interlinked Roots of the Problem



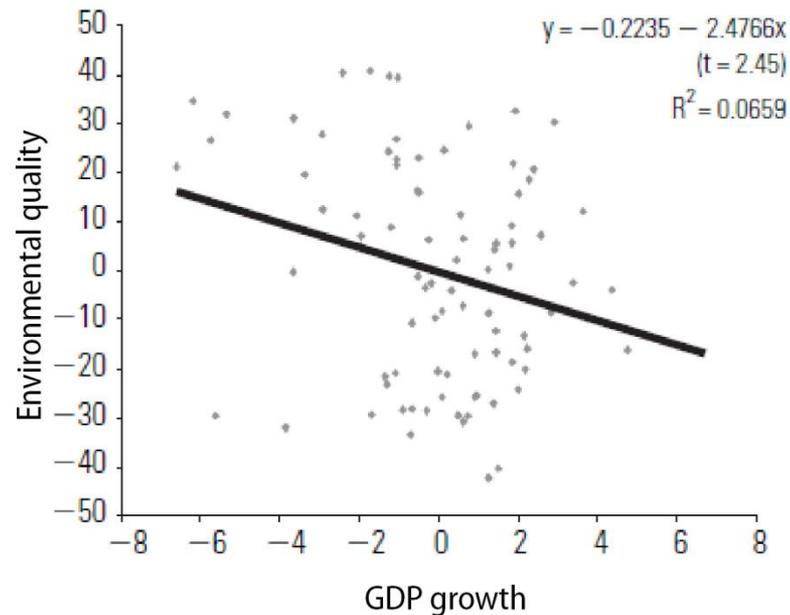
# Growth-Environment Trade Off?

WHY?

Growth and human development go together (positive)



Growth and environmental quality go opposite ways (negative)



Source: IEG-The World Bank. The Effect of Fiscal Policies on the Quality of Growth. 2010

# The Trade-off in Reverse



Environmental degradation and risks to growth  
Thailand: 2011 Floods  
**Losses: \$45.7 billion (13.5% of GDP)**



China: Environmental Burden of Disease (2004)  
**DALYs/1,000 capita: 34**  
**Deaths: 2,350,000**

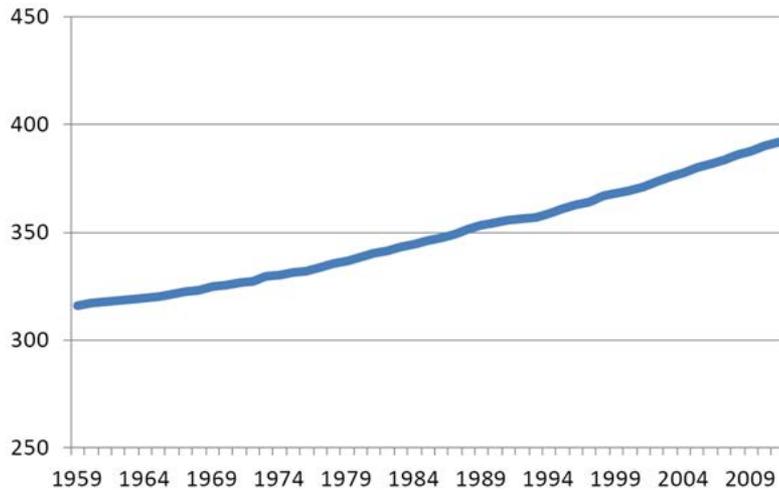


Global food security  
**925 million hungry**  
**62% are in Asia and the Pacific**



# Climate Change and Natural Disasters

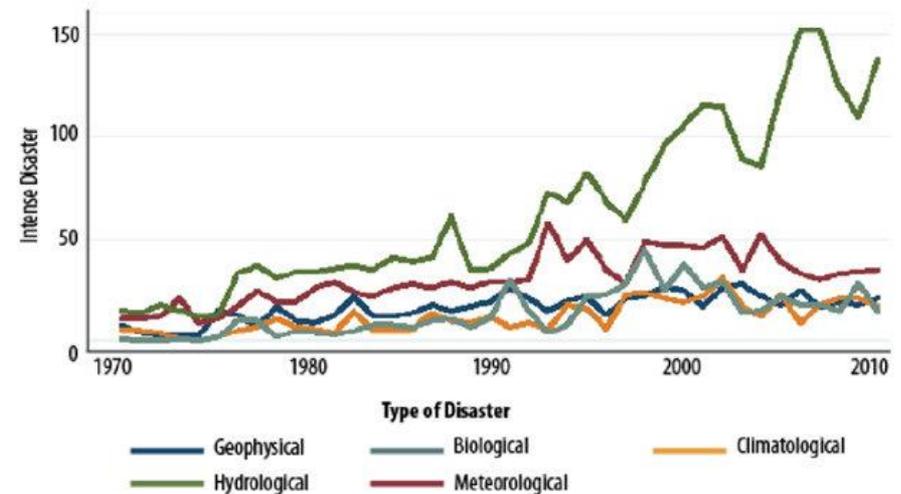
## Global CO2 Concentration (ppm)



Source: Co2Now.org

**392 ppm** atmospheric CO<sub>2</sub> as of August 2012

## Rise in Intense Hydro-Meteorological Disasters



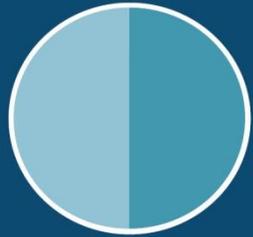
Source: EM-DAT

Intense hydro-meteorological disasters in Asia and the Pacific **tripled** during 1971-2010

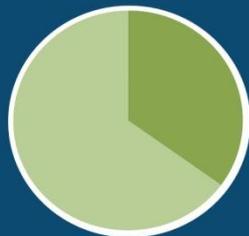


# Manila, August 2012

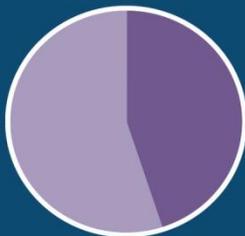
# Asia, a Global Player



**50%** of global GDP by 2050

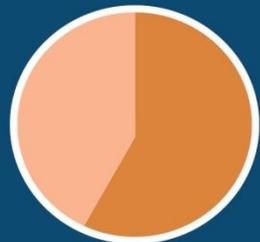


2012



2030

**35%** of global energy-related CO2 emissions in 2012, which can increase to **45%** by 2030



**58%** of global population today

WHO?

# The contribution of each



- Rational and moral reasons to act on climate change
- Effect can only come about through myriad of contributions
- Direct and indirect accumulation of participatory contributions
- Cannot discount the contribution of any one individual or company or country

# Leadership and communication



- Irreversible change
- Sustainability-climate change-poverty links
- The urgency for action

# Sustainable Business Practices

HOW?

## Zero net emissions and waste

**Interface** **FLOR**<sup>®</sup>  
carpets and flooring company

Mission Zero: Our promise is to eliminate any negative impact our company may have on the environment by 2020

From 1996 baseline: 82% reduction in waste; 35% reduction in GHG emissions

## Environmentally and socially responsible supply chain



- 100% of timber products are from well managed sources
- 26% in carbon emissions from transport (base year 2006-2007)



- 2015 target: to source palm oil only from sustainable sources
- 2020: zero net deforestation

## Eco-efficiency



- 35% reduction in CO2 emissions

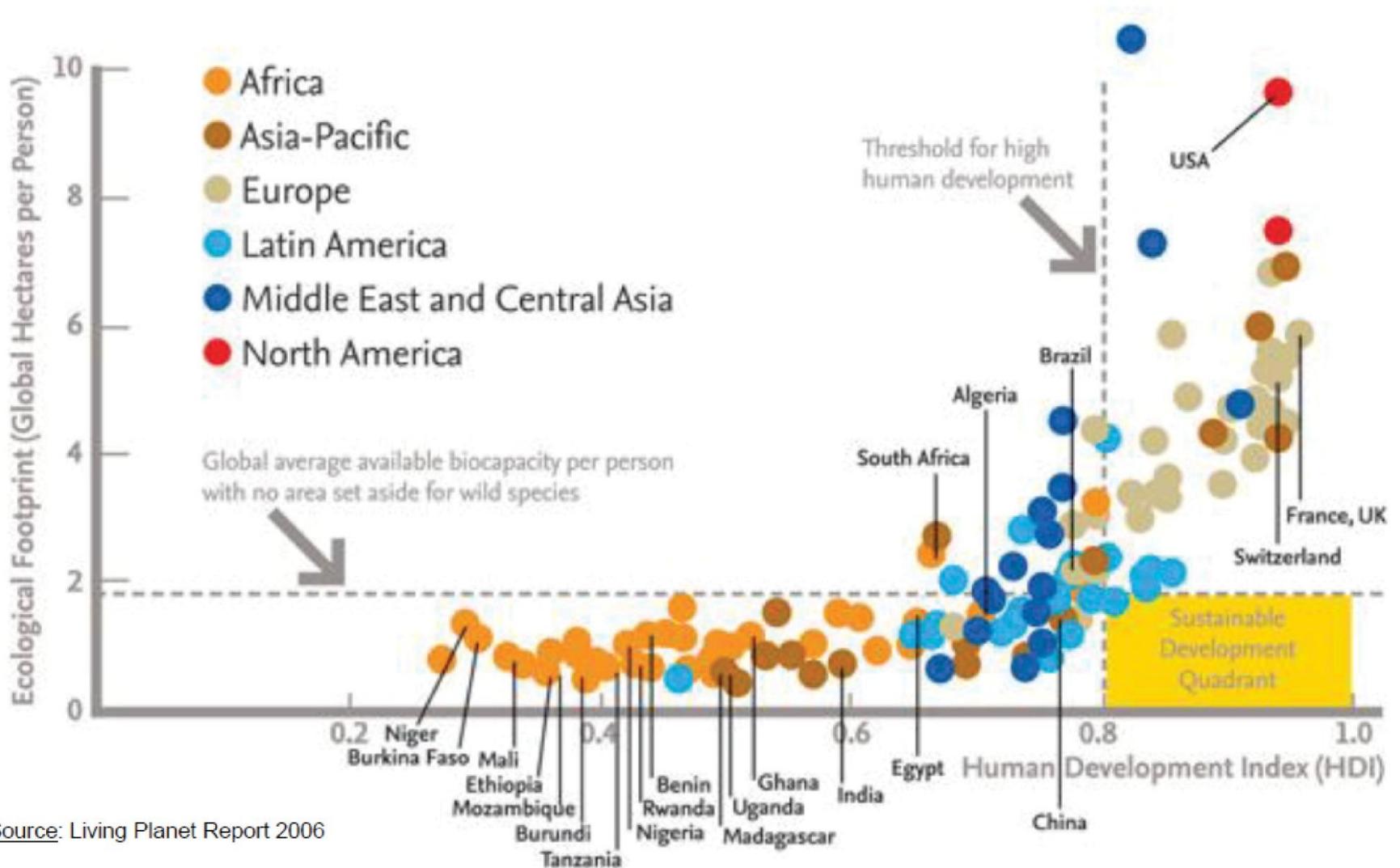


- 69% improvement in fleet efficiency in 2011
- 13% absolute reduction in GHG emissions in 2010 (base year 2005)



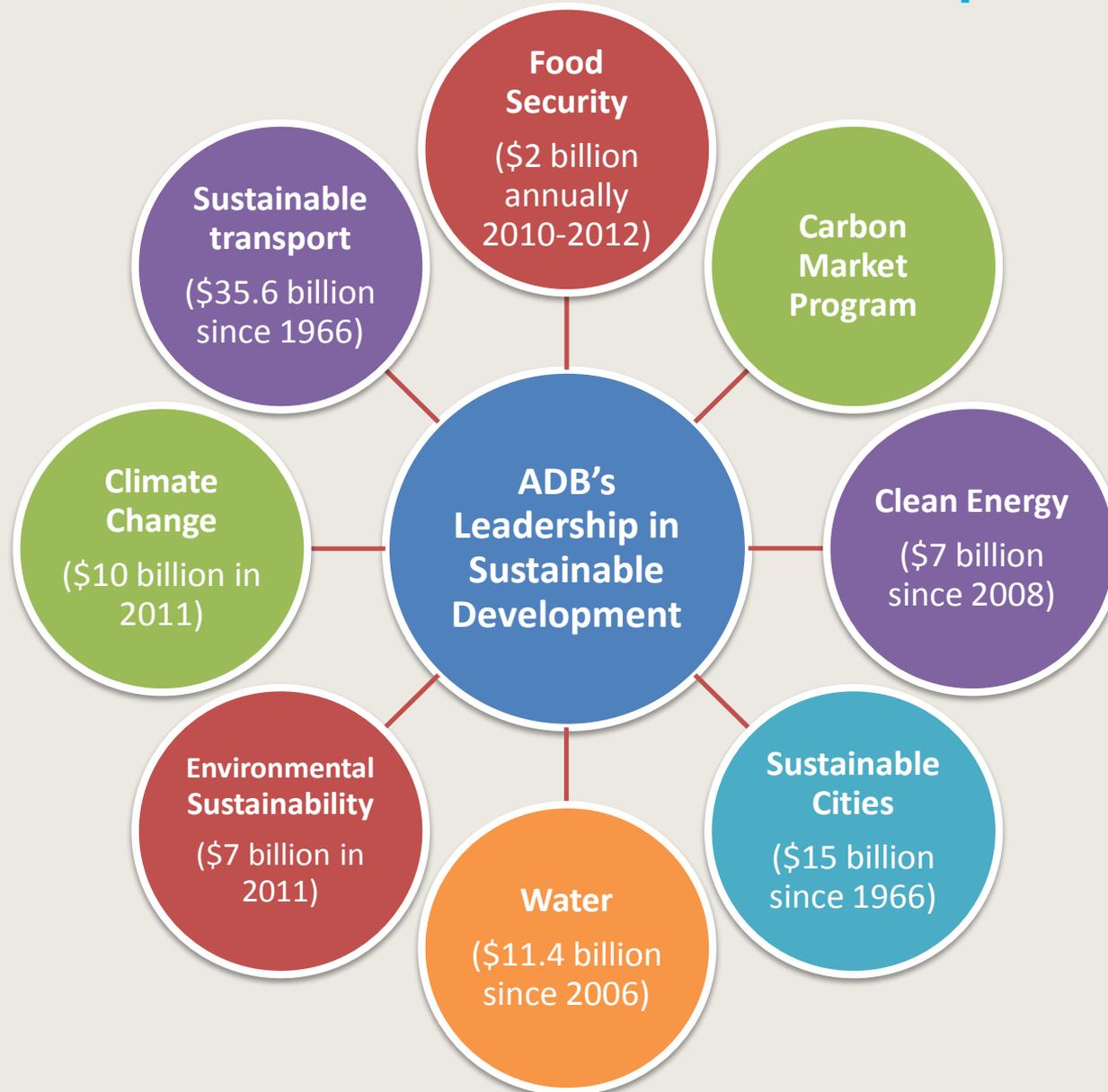
- reduces emissions by redesigning buildings and business process
- 26% reduction in per capita GHG emissions (base year 2007)

# Delinking Resource Use and Growth



Source: Living Planet Report 2006

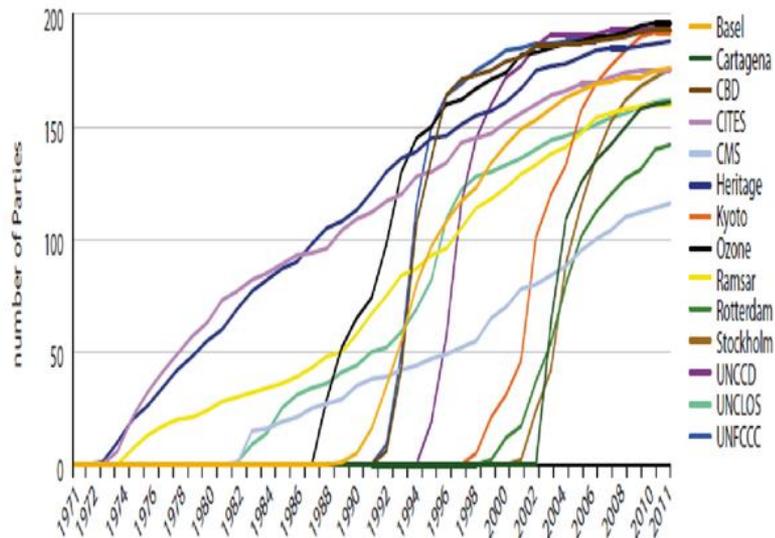
# ADB's Involvement and Participation



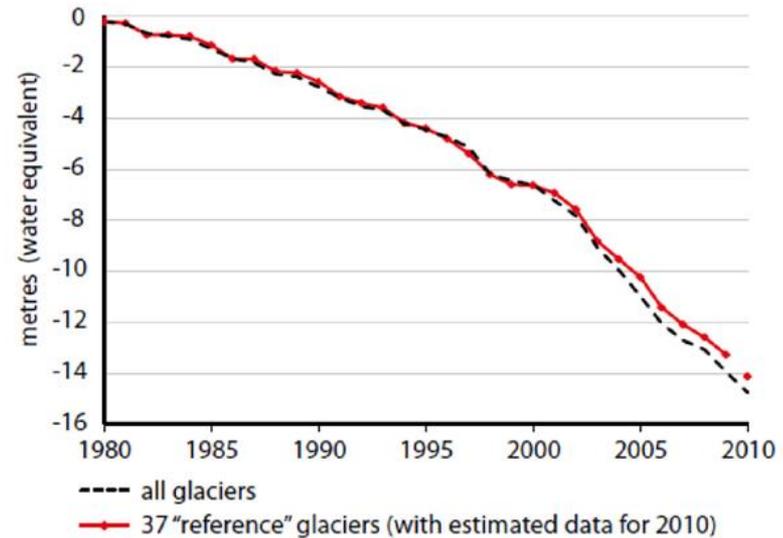
# Time to change course... NOW!!!

WHEN?

## Increasing Parties to Multilateral Environmental Agreements 1971-2011



## Melting glaciers



Source: UNEP Yearbook 2012



3x Eiffel

# The greatest disconnect between knowledge and action

Science: 450 ppm of CO<sub>2</sub> equivalent signals a threshold for an ice free planet

Trend: 392 ppm as of August 2012 and rising at 2 ppm annually

**Business as usual will put us over the threshold in just over a quarter of a century.**

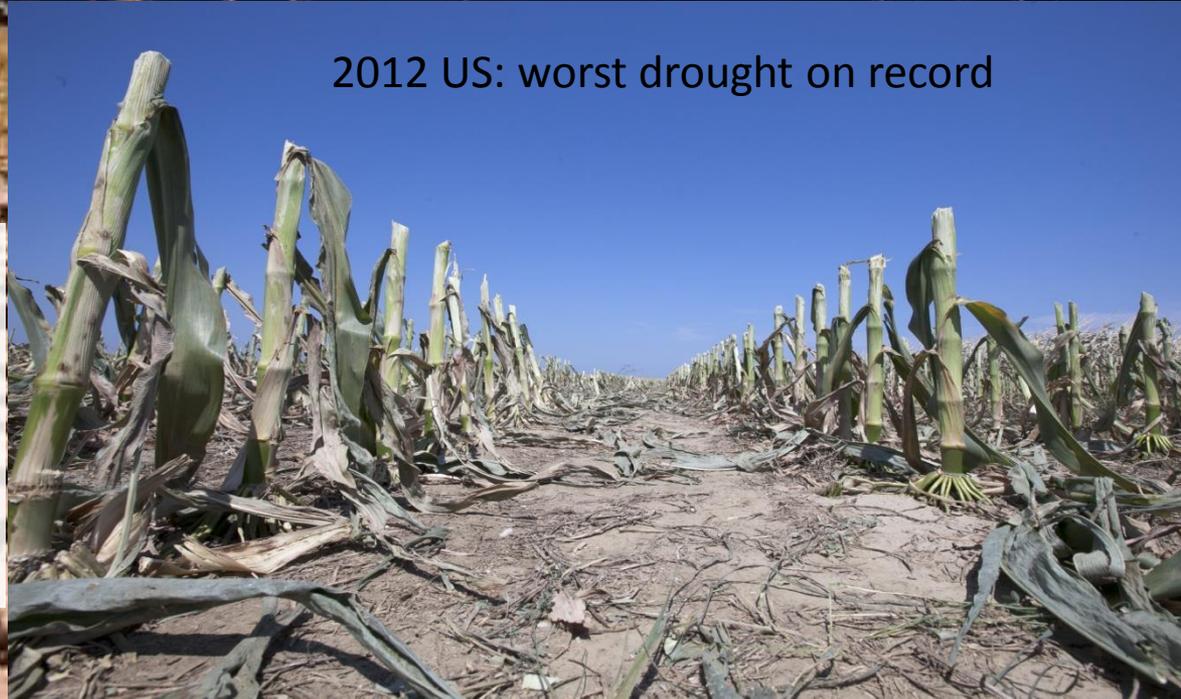
Petermann Glacier 24 July 2009

Petermann Fjord 24 July 2011

# *Anthropocene:* Human-dominated epoch



2012 Beijing :worst rains on record



2012 US: worst drought on record



2012 Sahel: drought and famine

*“We shall require a substantially new manner of thinking if mankind is to survive.”*

—Albert Einstein

# ACT NOW!



'STEADY AS SHE GOES'

*“Climate change is not a hoax. More droughts and floods and wildfires are not a joke. They’re a threat to our children’s future. And... you can do something about it.”*

- President Barack Obama  
6 September 2012

# THANK YOU!



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