

***THE SUSTAINABLE DEVELOPMENT  
“MOON SHOT”***

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Columbia University

World Sustainability Forum  
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“I believe that this nation should commit itself to achieving the goal, before this decade is out, of landing a man on the moon and returning him safely to the Earth. No single space project in this period will be more impressive to mankind, or more important for the long-range exploration of space; and none will be so difficult or expensive to accomplish.” JFK, May 25, 1961

I believe that this world should commit itself, to achieve the Goals, by 2030, of:

Ending Extreme Poverty and Hunger

Ending the AIDS epidemic

Bringing malaria deaths to < 10,000 (30X)

End preventable deaths of newborns and children under 5

Universal Secondary Education

End of Child Labor

Modern Energy Services for All

Control of Greenhouse Gases

Protection of Marine and Terrestrial Biodiversity



 **SUSTAINABLE DEVELOPMENT GOALS**

**1** NO POVERTY



**2** ZERO HUNGER



**3** GOOD HEALTH



**4** QUALITY EDUCATION



**5** GENDER EQUALITY




**6** CLEAN WATER AND SANITATION



**7** AFFORDABLE AND CLEAN ENERGY



**8** DECENT WORK AND ECONOMIC GROWTH



**9** INDUSTRY, INNOVATION AND INFRASTRUCTURE



**10** REDUCED INEQUALITIES



**11** SUSTAINABLE CITIES AND COMMUNITIES



**12** RESPONSIBLE CONSUMPTION



**13** CLIMATE ACTION



**14** LIFE BELOW WATER



**15** LIFE ON LAND



**16** PEACE AND JUSTICE



**17** PARTNERSHIPS FOR THE GOALS



  
**SUSTAINABLE DEVELOPMENT GOALS**

CONSIDER SOME OF THE OPERATIONAL

SUCCESSSES OF THE

***MILLENNIUM DEVELOPMENT GOALS***



1

ERADICATE EXTREME  
POVERTY AND HUNGER



2

ACHIEVE UNIVERSAL  
PRIMARY EDUCATION



3

PROMOTE GENDER  
EQUALITY AND  
EMPOWER WOMEN



4

REDUCE  
CHILD MORTALITY



5

IMPROVE MATERNAL  
HEALTH



6

COMBAT HIV/AIDS,  
MALARIA AND OTHER  
DISEASES



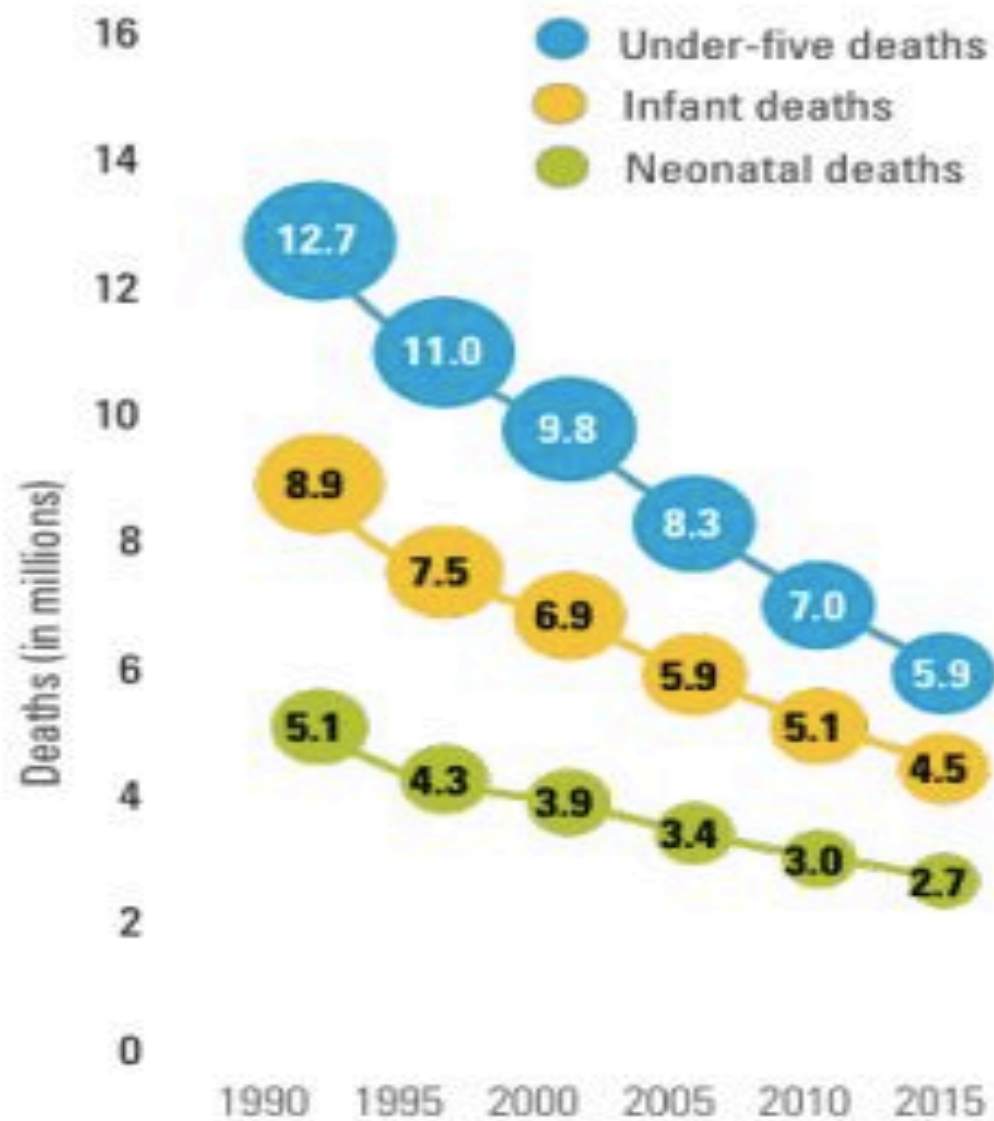
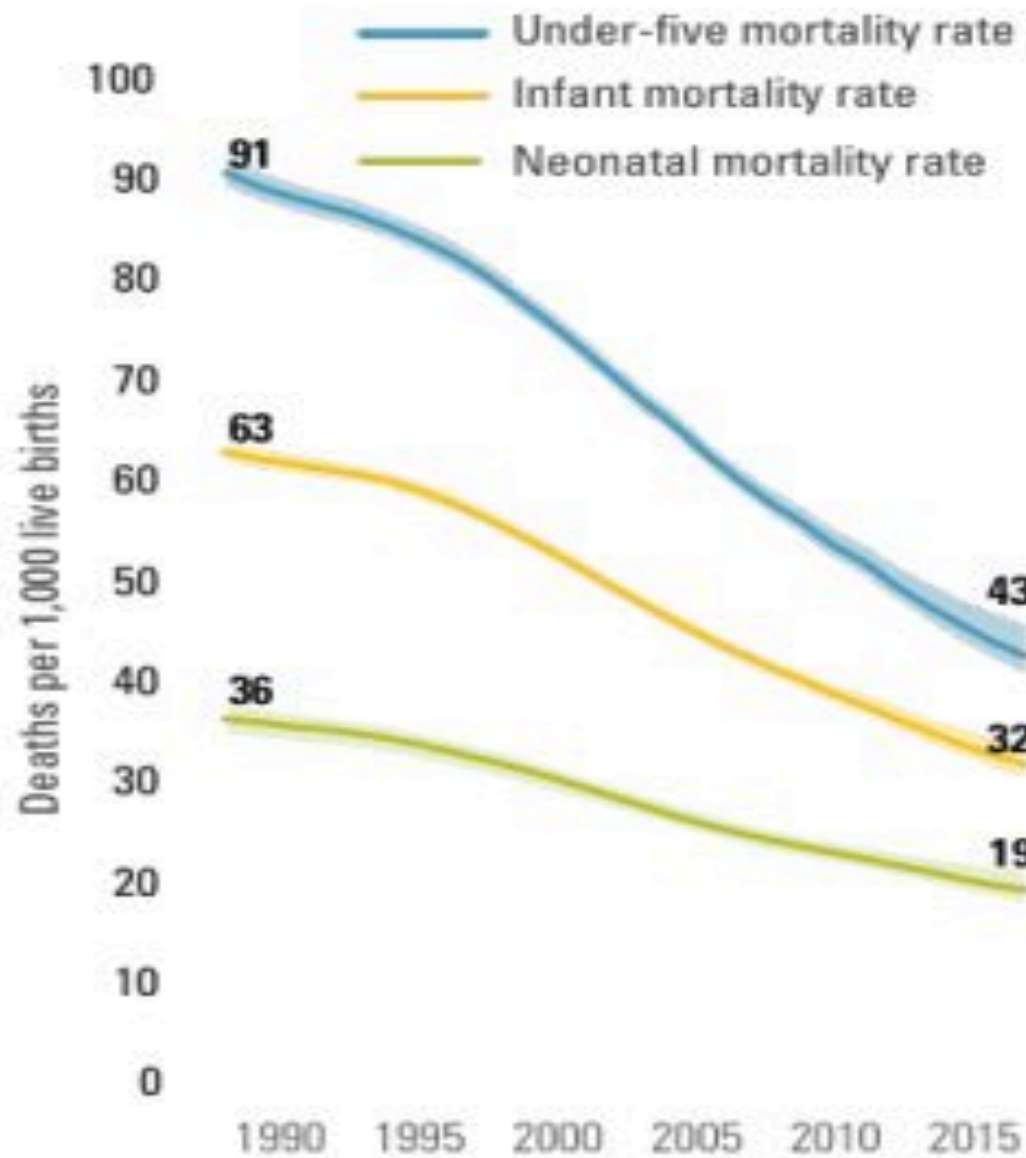
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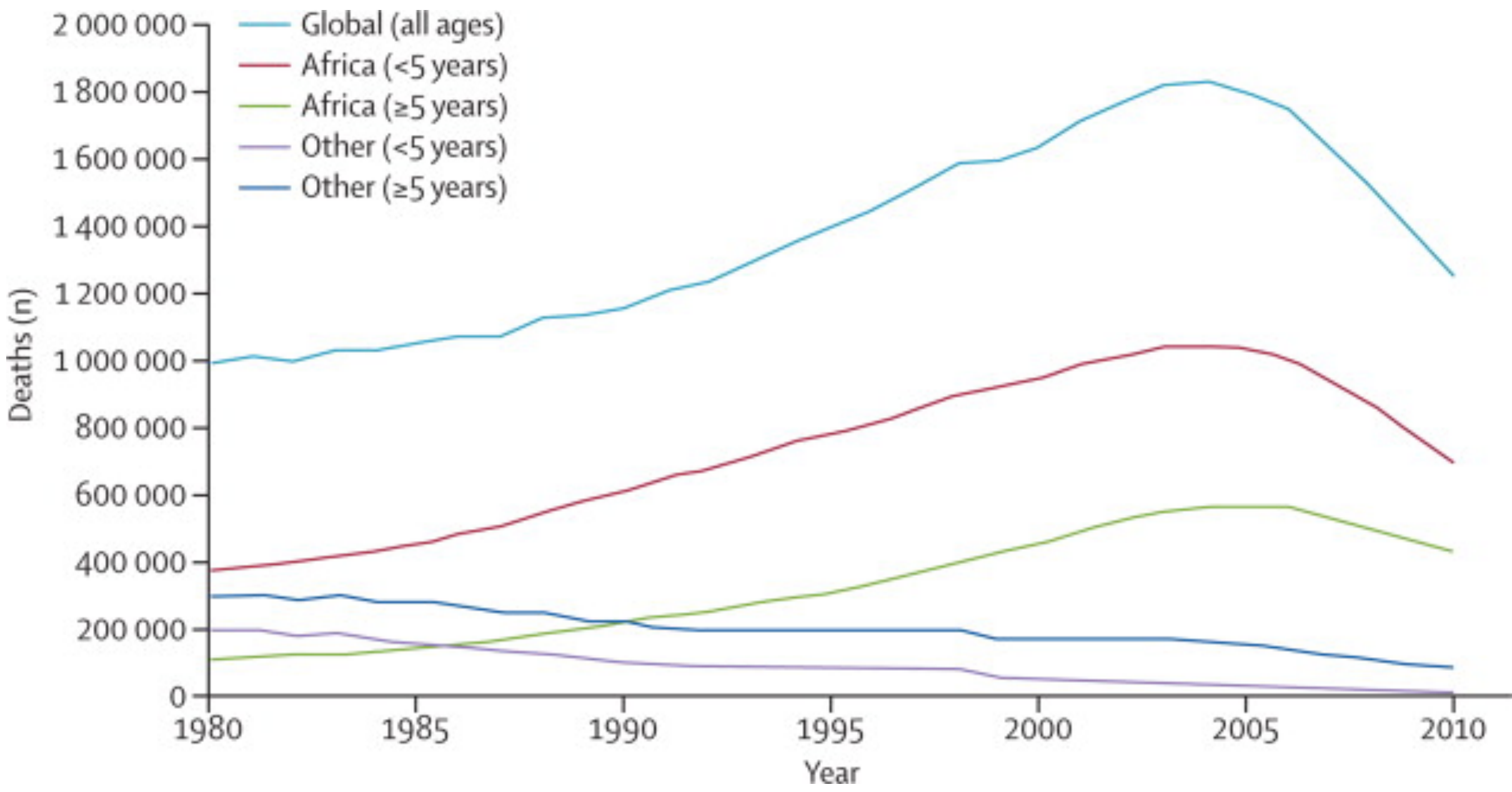
ENSURE  
ENVIRONMENTAL  
SUSTAINABILITY

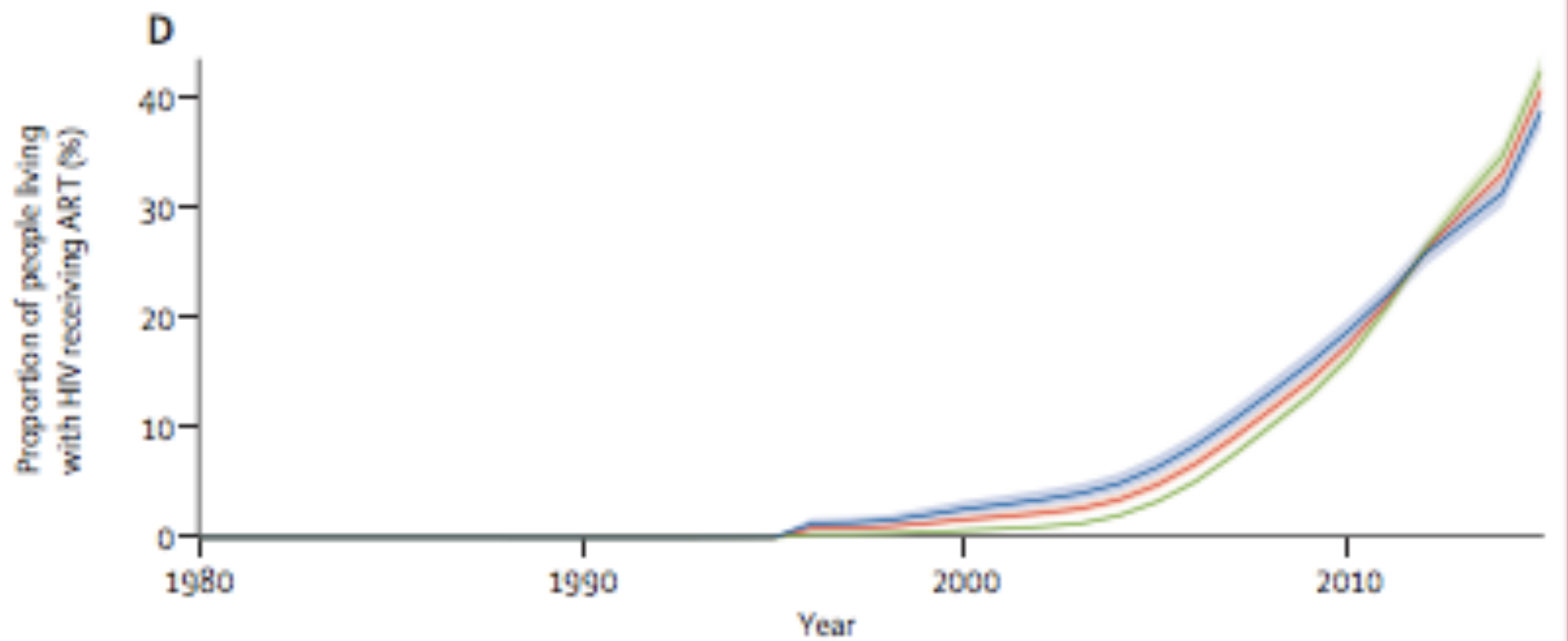


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GLOBAL  
PARTNERSHIP FOR  
DEVELOPMENT

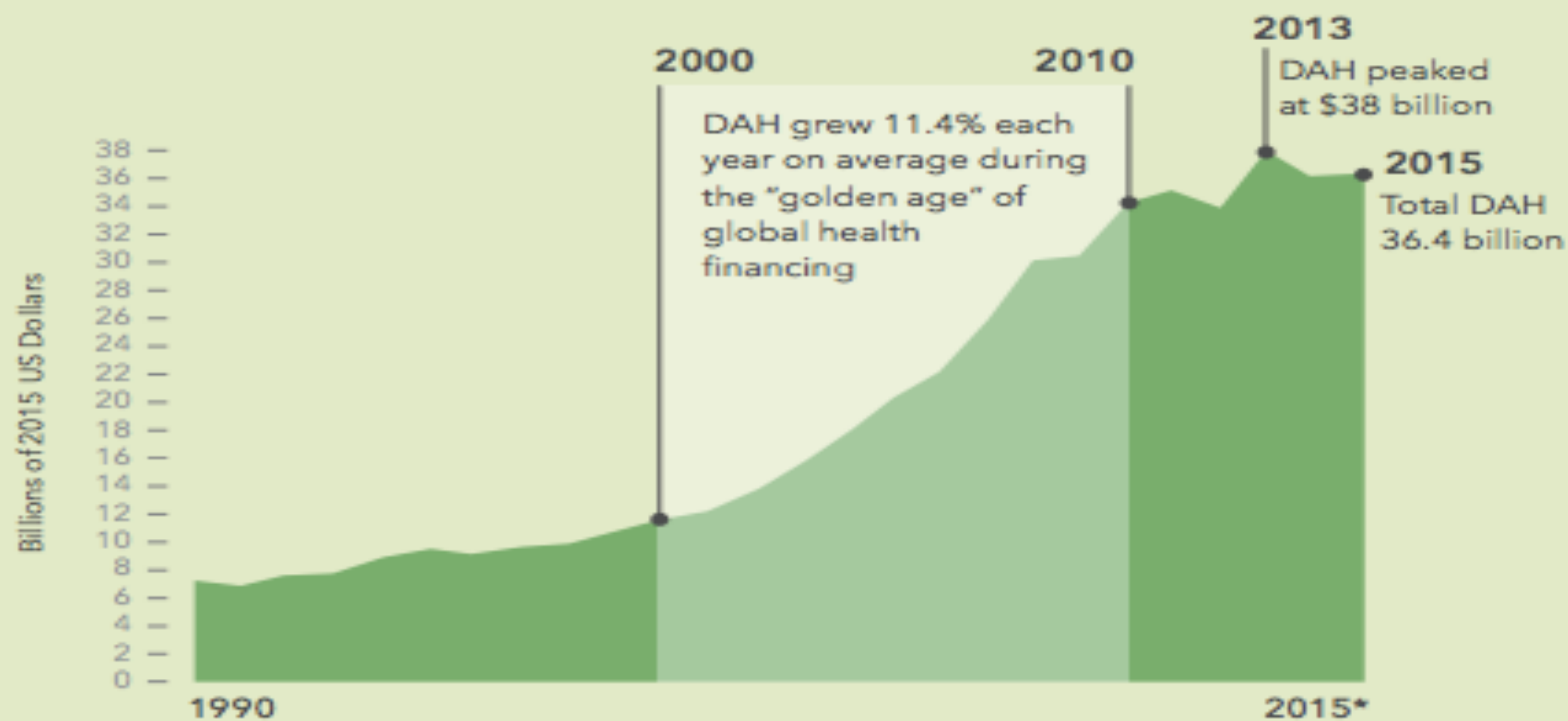








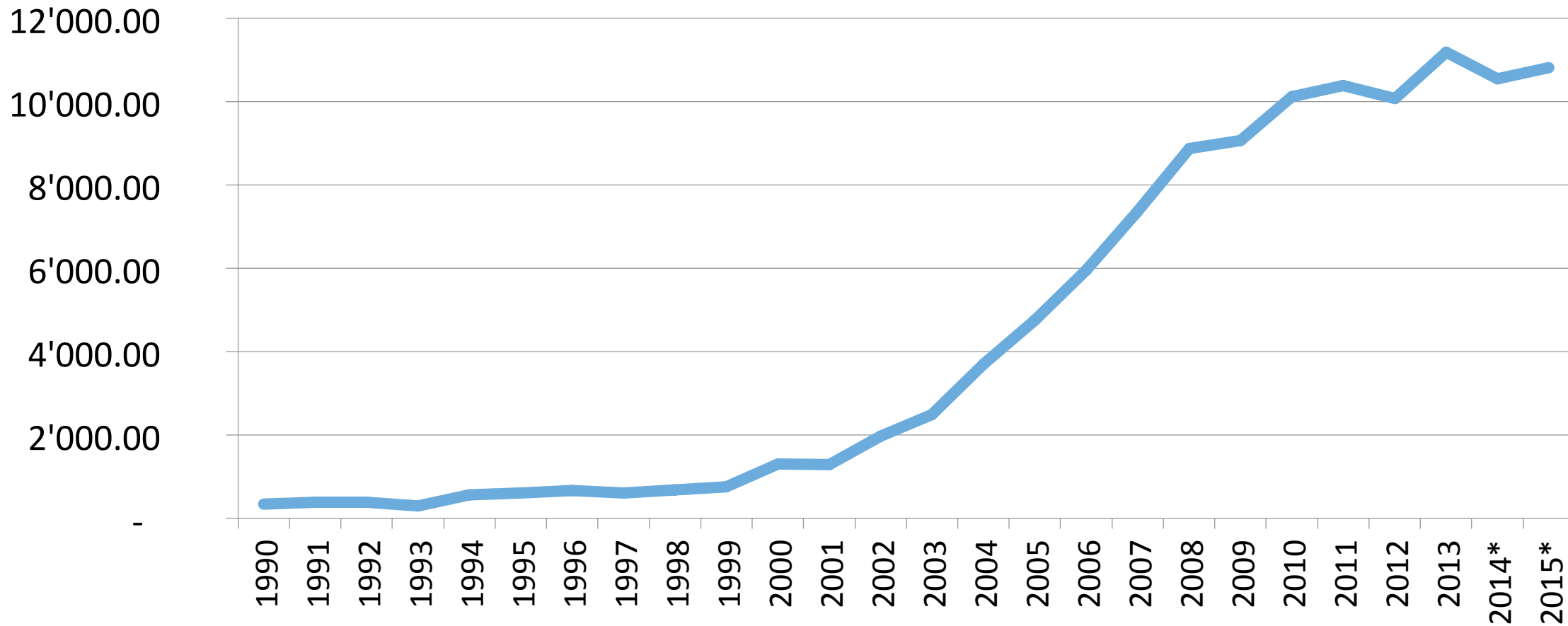
# Spending on development assistance for health (DAH)



\*Preliminary estimates for 2014 and 2015

# Development Assistance for HIV/AIDS

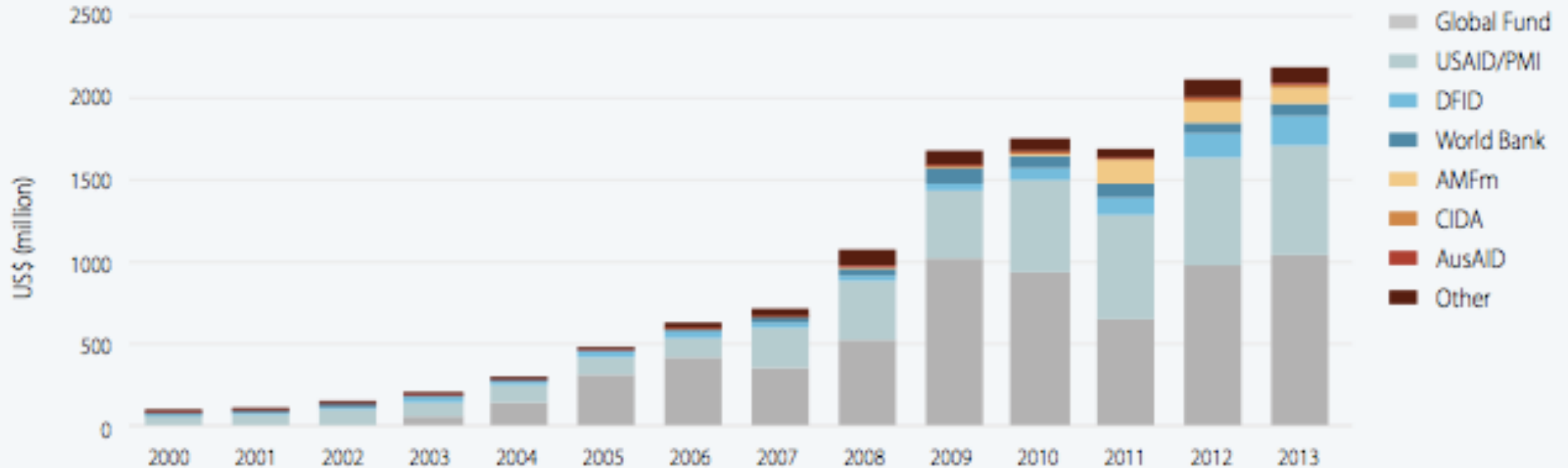
\$US millions





# INTERNATIONAL FINANCING FOR MALARIA

Figure 12. Growth in international financing for malaria, 2000–2013



Source: GFATM and PMI websites; Organisation for Economic Co-operation and Development (OECD) creditor reporting system

# WHAT'S NEW WITH THE SDGs?

Universal Health Coverage

Universal Secondary Education

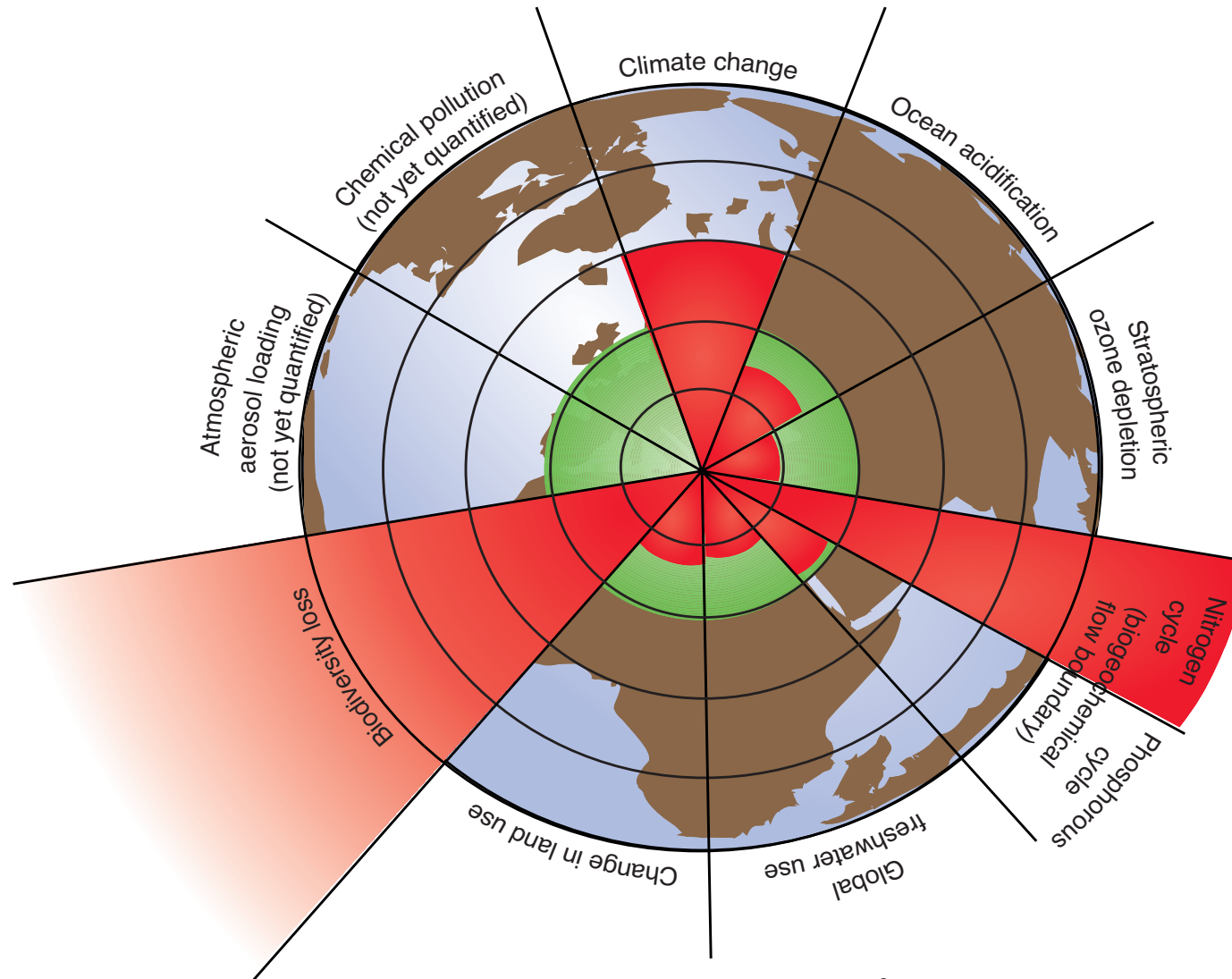
Focus on Infrastructure

Focus on Inequalities

Reversing Environmental Harms

Focus on Peace and Wellbeing

# “PLANETARY BOUNDARIES”



CLIMATE CHANGE  
OCEAN ACIDITY  
OZONE DEPLETION  
NITROGEN FLUX  
PHOSPHORUS FLUX  
WATER DEPLETION  
LAND USE CHANGE  
BIODIVERSITY LOSS  
AEROSOL POLLUTION  
CHEMICAL POLLUTION

Source: Rockström et al 2009a)



2016 DROUGHT IN ETHIOPIA LEFT MILLIONS FACING HUNGER





SOUTH SUMATRA PEAT BURNING TO MAKE WAY FOR PALM OIL AND PULP PAPER



**SMOG IN JAKARTA**



HAZE AND SCHOOL CLOSINGS, KUALA LUMPUR, OCTOBER 2015



BEIJING JANUARY 2014





SUPER TYPHOON HAIMA, PHILIPPINES OCTOBER 2016





ALGAL BLOOM, QINGDAO CHINA





RAJASTHAN HEAT WAVE, 2016, 51-DEGREE C

# ***OUR GLOBAL ASSETS FOR SDG BREAKTHROUGHS TO 2030:***

**ICTs FOR HEALTH: SMARTPHONES, E-PAYMENTS, UNIQUE ID, TELEMEDICINE, REMOTE MONITORING, EMERGENCY TRANSPORT, DIAGNOSTICS**

**NEW STRATEGIES: SUCH AS 90-90-90 TO END AIDS**

**GREAT GLOBAL WEALTH: \$126 TRILLION GWP (PPP) IN 2017**

# ***SOME TARGETS FOR RESOURCE MOBILIZATION:***

TAX HAVENS (\$20 TRILLION, LARGELY UNTAXED)

HIGH-INCOME COUNTRIES (\$200B SHORTFALL IN ODA)

BILLIONAIRES (\$7.5T IN NET WORTH)

MILITARY SPENDING (\$1.5T PER YEAR)

# **SOME PRIORITIES FOR GLOBAL SDG ACTION:**

GLOBAL FUND FOR EDUCATION

GLOBAL FUND FOR HEALTH SYSTEMS (ESPECIALLY  
COMMUNITY-BASED HEALTH DELIVERY WITH ICTS)

GLOBAL FUND FOR MODERN ENERGY SERVICES

IMPLEMENTING THE PARIS CLIMATE AGREEMENT

GLOBAL PROTECTION OF BIODIVERSITY (SDGS 14 AND 15)

# THE UNIQUE ROLE OF HIGHER EDUCATION

SUSTAINABLE DEVELOPMENT EDUCATION

INNOVATION FOR SUSTAINABLE DEVELOPMENT

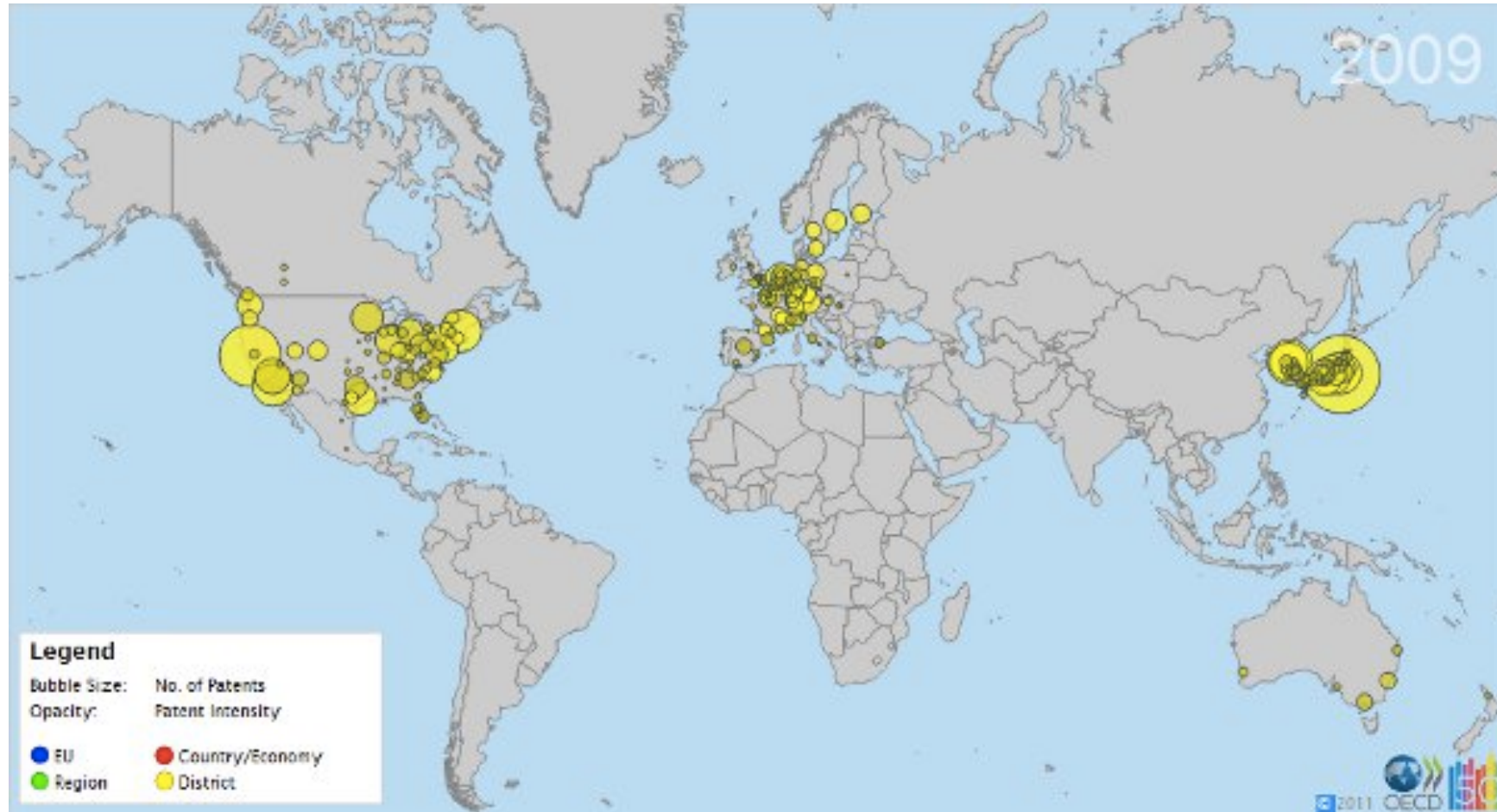
INCUBATION OF NEW BUSINESSES

POLICY ANALYSIS

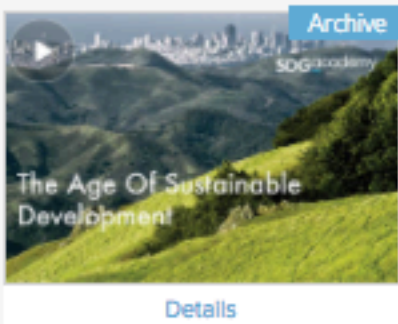
CONVENING OF SUSTAINABLE DEVELOPMENT  
STAKEHOLDERS



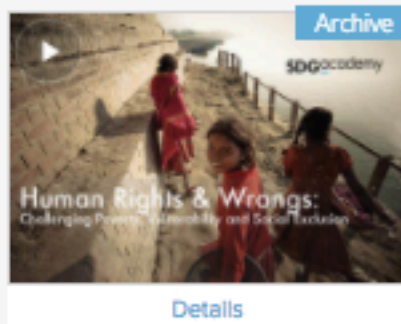
# WORLD-LEADING INNOVATION HUBS AND THE UNIVERSITIES



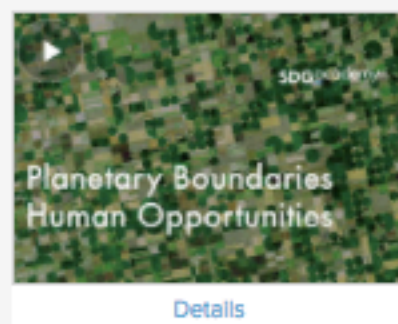
THE NEED FOR AFRICAN UNIVERSITIES TO PROMOTE CUTTING-EDGE INNOVATION



Details



Details



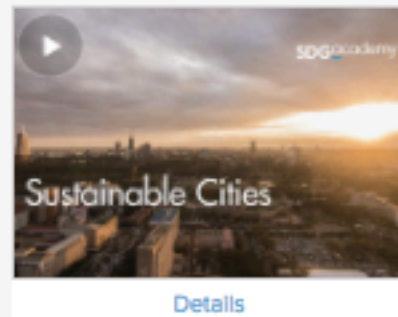
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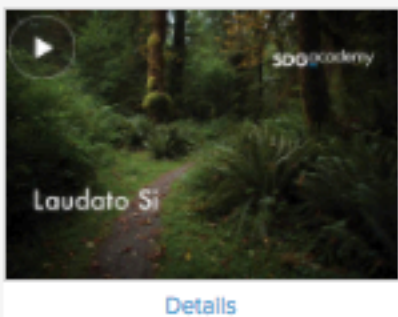
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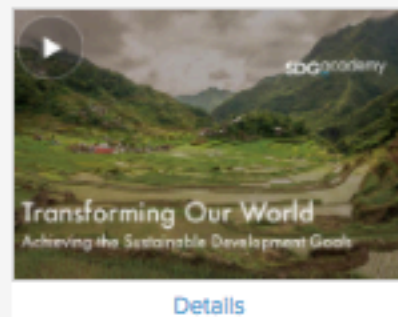
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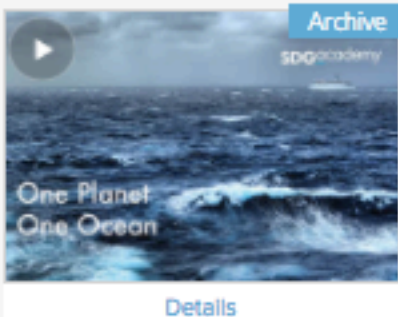
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SDG ACADEMY:  
<https://courses.sdgacademy.org/>

HEALTH  
CITIES  
OCEANS  
HUMAN RIGHTS  
PLANETARY BOUNDARIES  
SDGS  
ENERGY SOLUTIONS  
AND MORE . . .





## THE SUSTAINABLE DEVELOPMENT GOALS CENTER FOR AFRICA

Connecting ideas • Strengthening capacity • Innovating solutions



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Civil Society, Business, Citizens  
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# THE GLOBAL SDSN FAMILY







Pope Francis,  
*Laudato Si'*

“Interdependence obliges us to think of *one world with a common plan*. Yet the same ingenuity which has brought about enormous technological progress has so far proved incapable of finding effective ways of dealing with grave environmental and social problems worldwide. A global consensus is essential for confronting the deeper problems, which cannot be resolved by unilateral actions on the part of individual countries.”