

***Sustainable Development and
Information and Communications Technology***

Prof. Jeffrey D. Sachs

11th WTIS Symposium

Mexico City

December 4, 2013

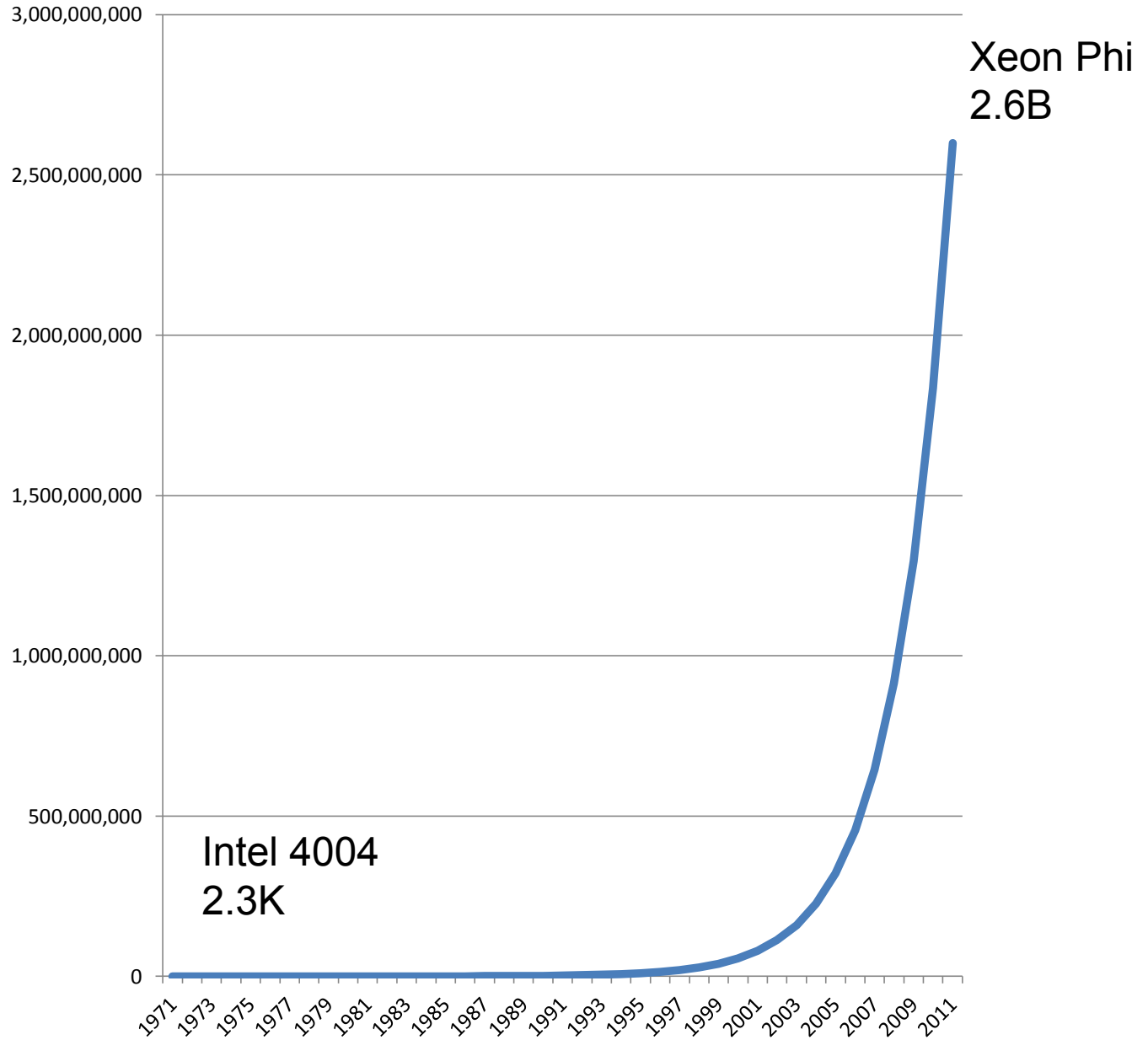
Why SDGs?

Humanity Has Entered A New Era

“For man holds in his mortal hands
the power to abolish all forms of human
poverty and all forms of human life.”

-JFK Inaugural Address
January 20, 1963

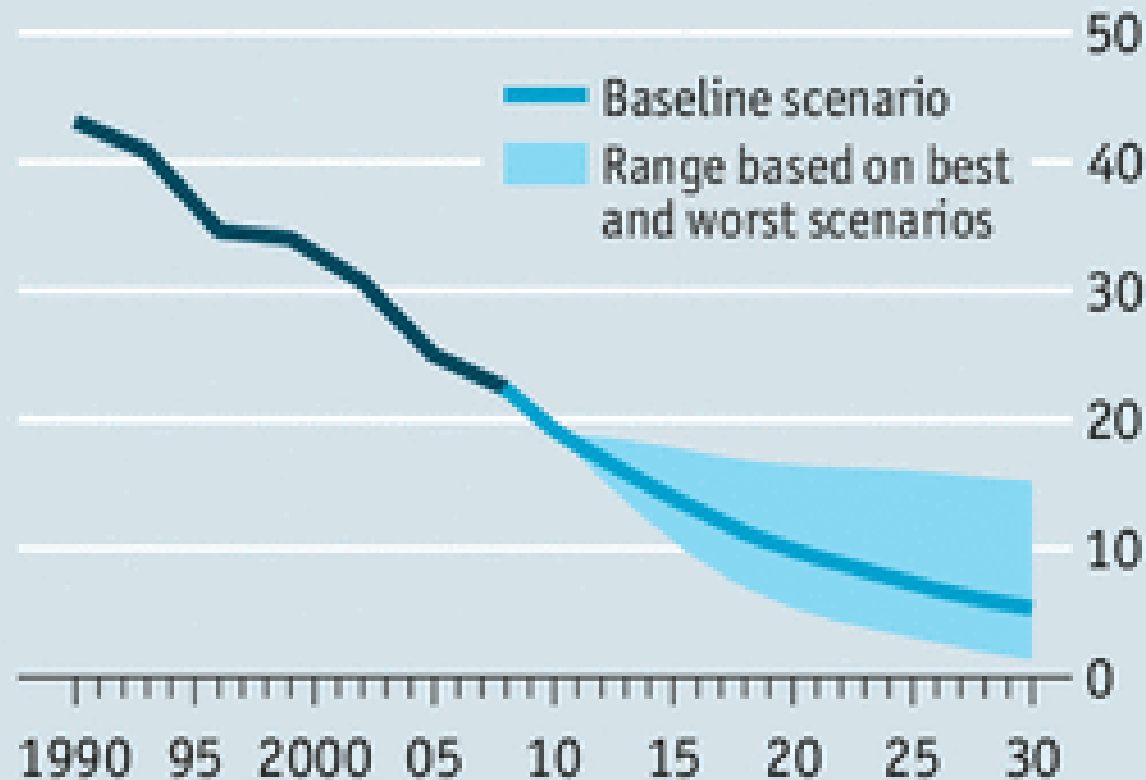
The IT Revolution: Microprocessor Transistor Count



Hooray!

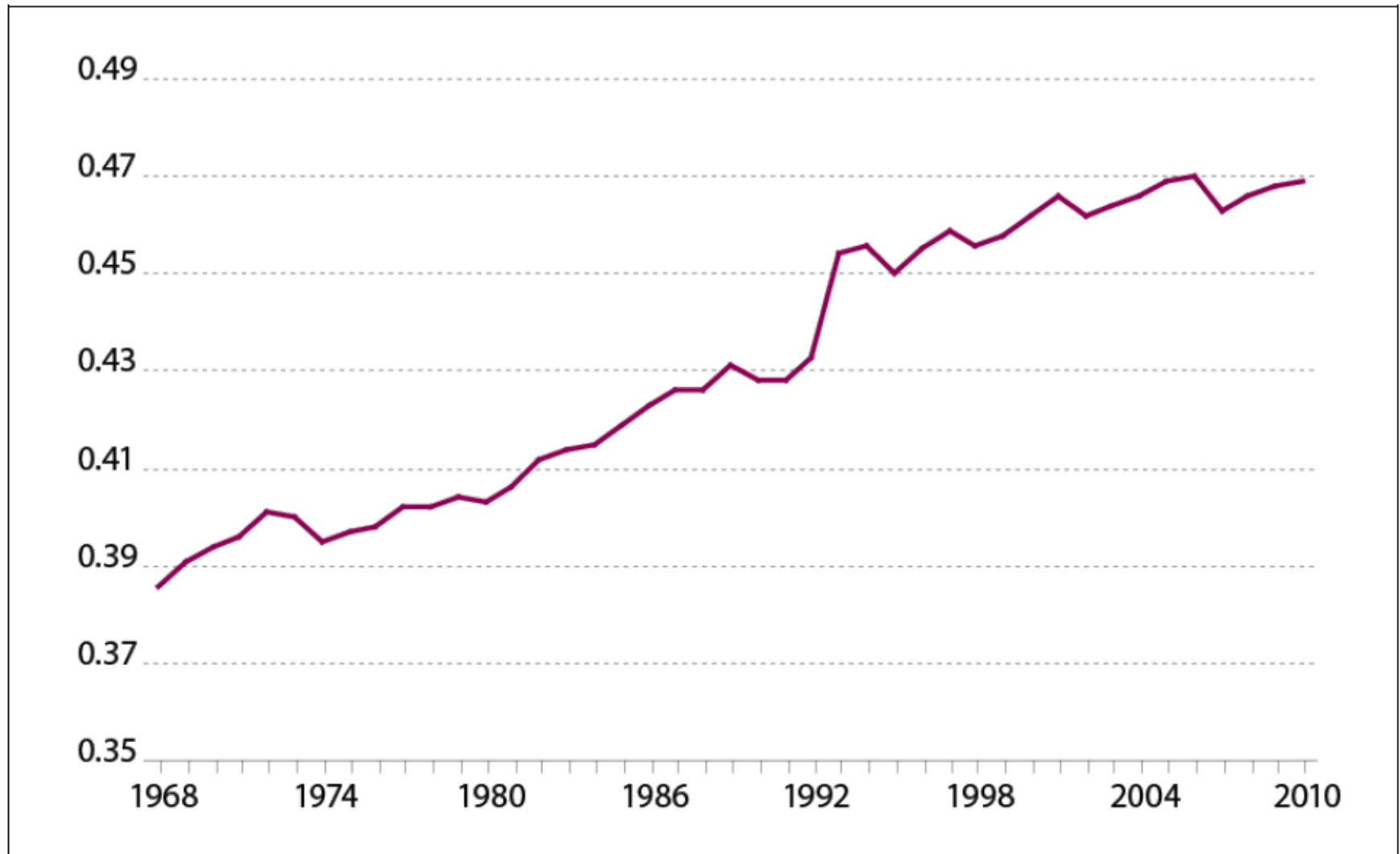
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Global poverty rate, %



Source: Laurence Chandy, Natasha Ledlie and Veronika Penciakova

Figure 1. Gini Coefficients for U.S. Households, 1968-2010



Source: Created by CRS from data from the U.S. Census Bureau's Annual Social and Economic Supplements to the Current Population Survey (CPS).



Tunis, January 2011



Cairo, January 2011



Athens July 2011



Tel Aviv, August 2011



Chile, August 2011



New York City, November 2011



Madrid, September 2012



Istanbul, June 2013



Rio de Janeiro, June 2013



TYPHOON HAIYAN, Village of Mariboth, November 14, 2013



BEICHUAN, SICHUAN PROVINCE, JULY 2013

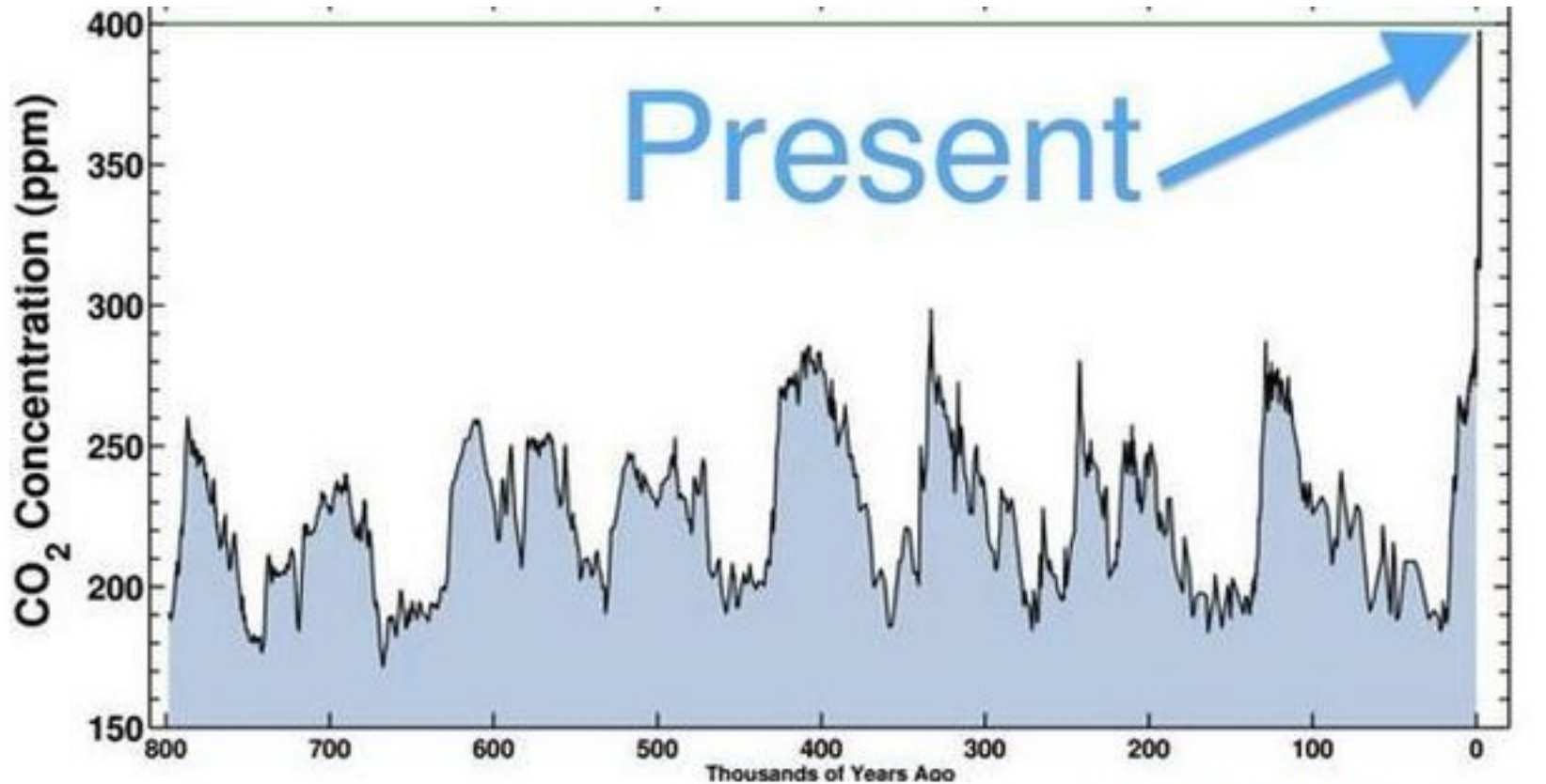
MANHATTAN, HURRICANE SANDY, OCTOBER 29, 2012





Algal Bloom, Qindao, Shandong Province, 2013

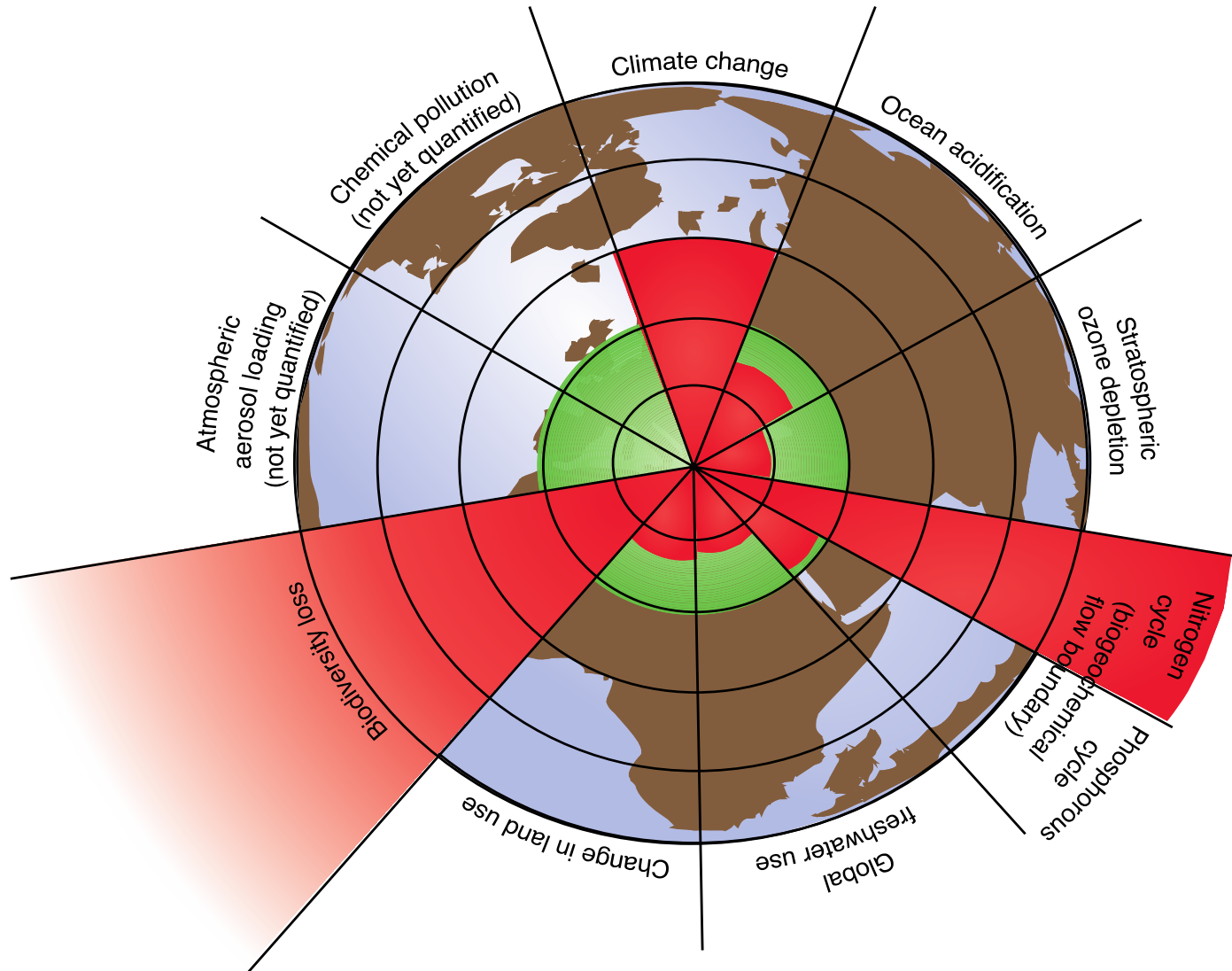
IN APRIL, 2013, CO₂ CONCENTRATION REACHES
400 PPM FOR FIRST TIME IN 3 MILLION YEARS



Scripps Institution of Oceanography

Ice core data before 1958

“PLANETARY BOUNDARIES”



Source: Rockström et al 2009a)

Motivations for the SDGs:

Public Awareness

Activism

Knowledge Communities

Political and Corporate Accountability

PROPOSED SDGs:

1. END EXTREME POVERTY
2. JOBS AND GROWTH
3. SOCIAL INCLUSION FOR WOMEN, MINORITIES, YOUTH
4. EDUCATION FOR ALL
5. HEALTH FOR ALL
6. FOOD SECURITY FOR ALL
7. FIGHT CLIMATE CHANGE WITH SUSTAINABLE ENERGY
8. BIODIVERSITY CONSERVATION
9. RESILIENT CITIES
10. GOOD GOVERNANCE FOR SUSTAINABLE DEVELOPMENT

KEY ROLES FOR ICT:

ICT FOR HEALTH

ICT FOR EDUCATION

ICT FOR SUSTAINABLE AGRICULTURE

ICT FOR SMART ENERGY SYSTEMS

ICT FOR SMART URBAN NETWORKS

ICT FOR IMPLEMENTING THE SDGS

THE NEED FOR TRUE PUBLIC-PRIVATE PARTNERSHIPS

TIMELINE TO THE SDGS

SPRING 2014, OPEN WORKING GROUP REPORT

SEPTEMBER 2014, CLIMATE SUMMIT AT UN

FALL 2014, SECRETARY-GENERAL'S RECOMMENDATIONS

FIRST-HALF 2015, INTERGOVERNMENTAL NEGOTIATIONS

SEPTEMBER 2015, SDG SUMMIT AT UN

NOVEMBER 2015, CLIMATE NEGOTIATIONS IN PARIS

We choose to go to the moon. We choose to go to the moon in this decade and do the other things, not because they are easy, but because they are hard, because that goal will serve to organize and measure the best of our energies and skills, because that challenge is one that we are willing to accept, one we are unwilling to postpone, and one which we intend to win, and the others, too.

President John F. Kennedy, Rice University,
September 12, 1962