

# Energy Futures! Panel Discussion

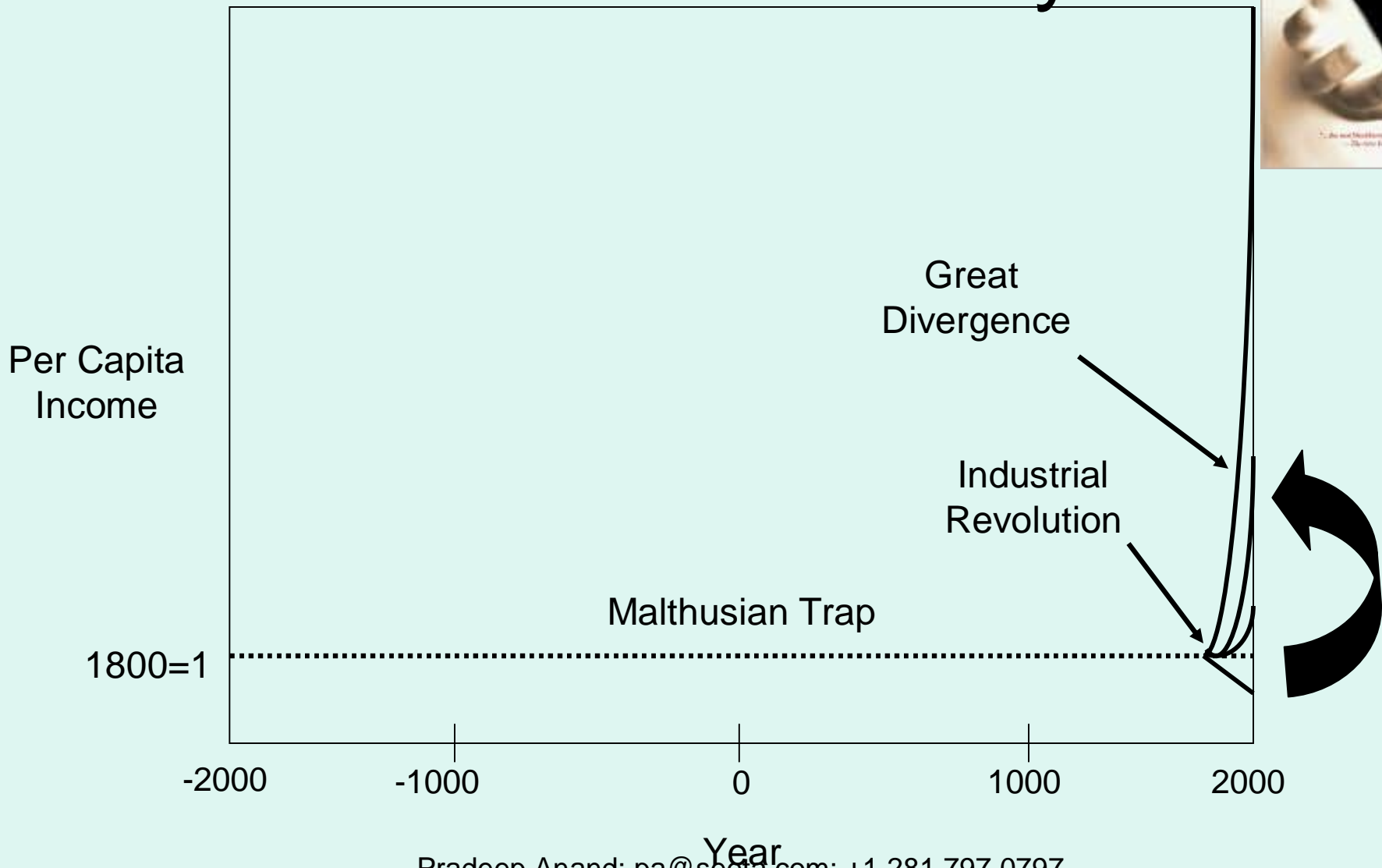
Pradeep Anand

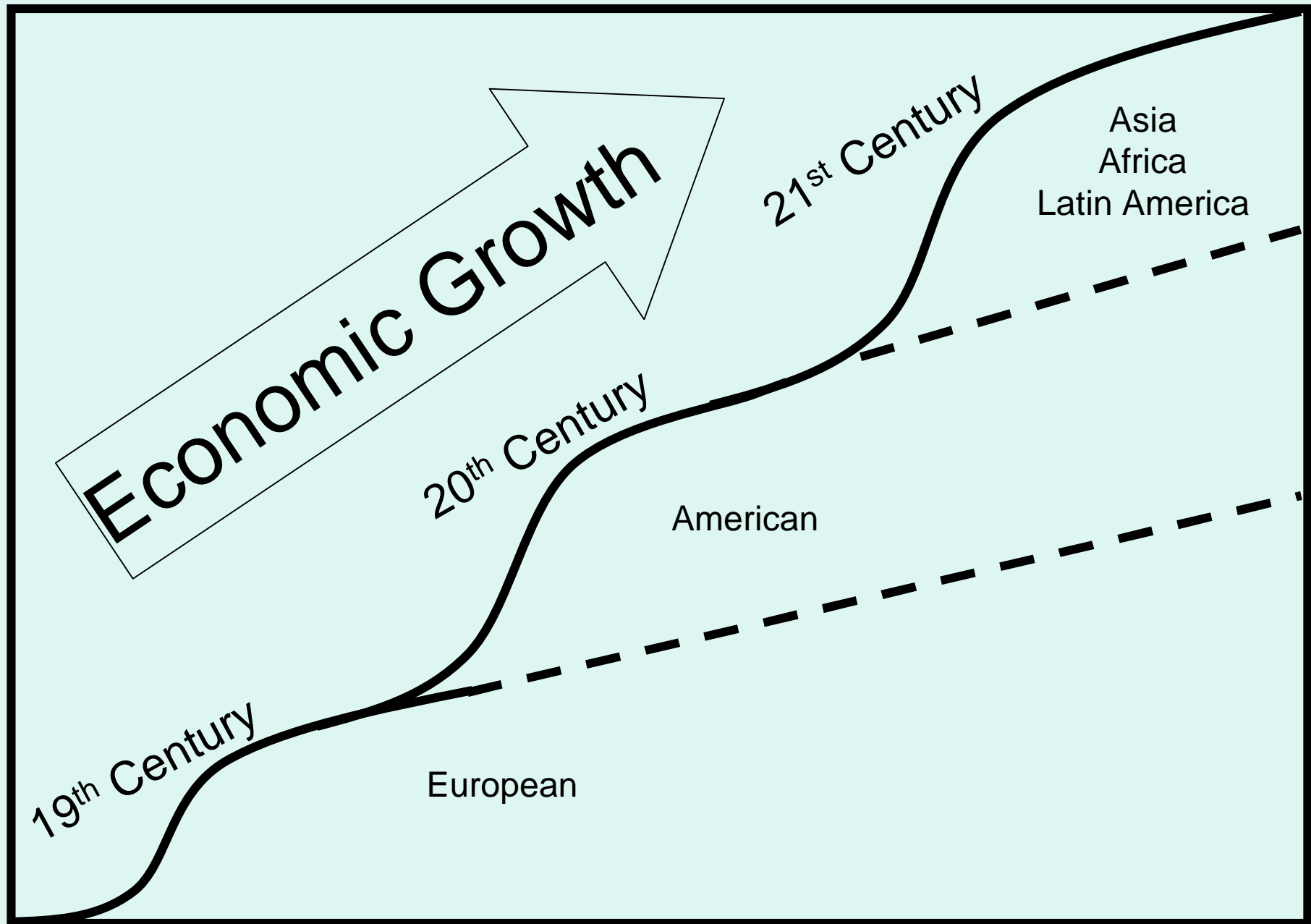
IIT Bombay Golden Jubilee Conference 2008

July 19, 2008

New York, NY, USA

# Global Economy

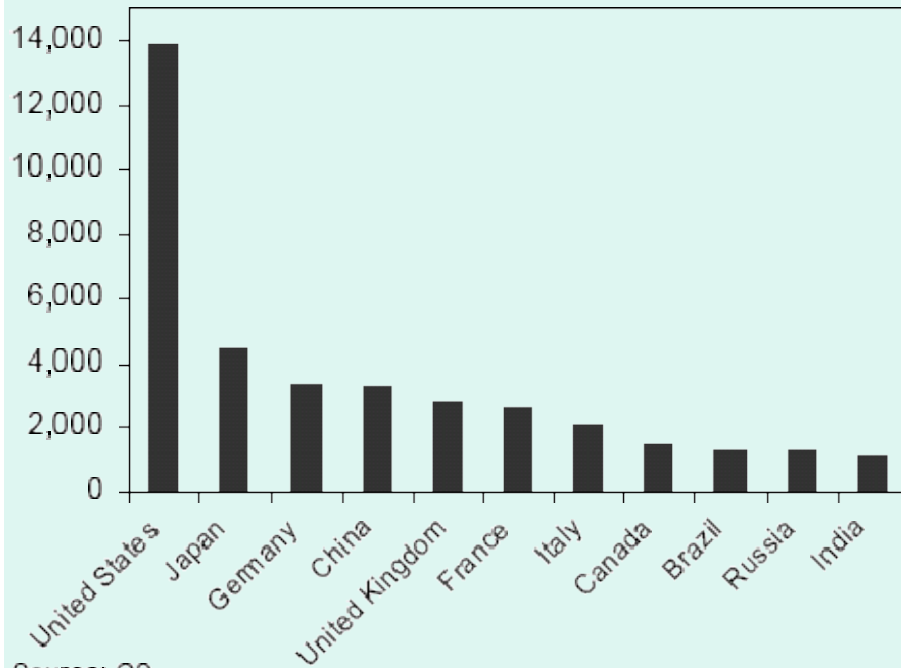




# Sample Forecast

GDP 2007  
US\$ bn

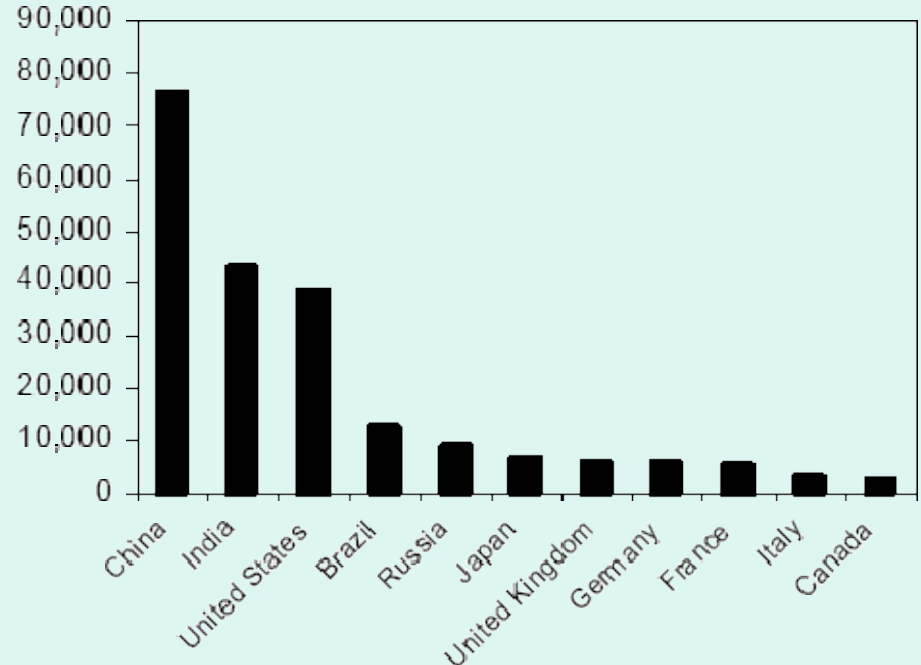
## The Largest Economies in 2007



Source: GS

GDP 2007  
US\$ bn

## World in 2050



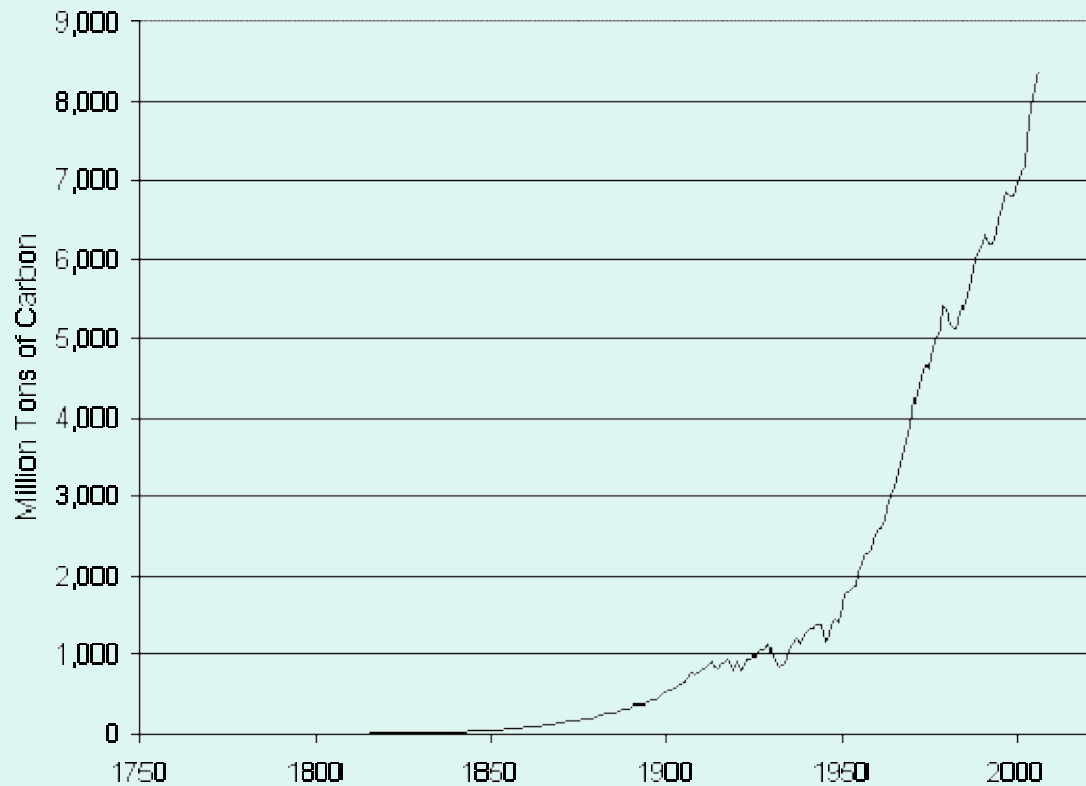
Source: GS calculations

# GDP & Energy Intensity

	CHINA	INDIA	USA	EURO
<b>Population</b> (millions)	1,288	1,064	291	306
<b>GNP</b> (\$=billions)	1,417	571	11,013	6,978
<b>Water Use</b> (cubic kilometers)	526	500	467	185
<b>Energy Use</b> (quadrillion BTUs)	52	23	97	50
<b>GNP/Pop</b> (per capita income)	1,100	536	37,844	22,803
<b>Water/GNP</b> (cubic meters water per \$1.00 of GNP)	0.37	0.88	0.04	0.03
<b>Energy/GNP</b> (BTUs per \$1.00 of GNP)	36,717	39,926	8,808	7,210
<b>Water/Pop</b> (per capita water use in cubic meters)	408	470	1,606	605
<b>Energy/Pop</b> (per capita energy use in millions of BTUs)	40	21	333	164

# CO<sub>2</sub> Emissions

Global Carbon Dioxide Emissions from Fossil Fuel Burning, 1751-2006



Source: CDIAC, BP

*For about 150 years, the energy industry has been the most crucial and critical industry for fueling improvements in the quality of human life.*

*However, our voracious consumption of hydrocarbons has also created a complex set of challenges: supply keeping pace with an escalating global demand, and the impact on our planet's environment, which can be a substantial threat to humankind's continued survival.*

*During this session, speakers will share their perspectives regarding the complexity of the current situation, and provide insights to professional and financial opportunities in conventional and alternative energy industries.*

# Panel Members

- Balu Balagopal, BCG
- Steve Jacobs, RMI/Decision Strategies
- Vijay Modi, Columbia University
- Vik Rao, Halliburton (Retired)
- Arvind Sanger, GeoSphere Capital