

# The Global Commission on the Economy and Climate

New Climate Economy 15<sup>th</sup> April 2014 The New Climate Economy project aims to identify the biggest opportunities to strengthen both growth and climate performance

### The focus is:

**Disruptive, Transformational plays** that meet **3 primary conditions:** 

- Have large impact
- Are adaptive and evolutionary
- Drive change through competition rather than relying on cooperation

### The approach is:

**Evidence-based**, helping policy-makers, business leaders and investors do their job better-informed

**Decision-maker focused**, providing real world recommendations on trade-offs

**Objective,** assessing the evidence on all sides

**Open,** inviting input and submissions from all sides

Near-term, focusing on the next 5-10 years

## The global New Climate Economy Partnership

#### **Global Commission**

21 global leaders, chaired by former President of Mexico Felipe Calderón

Includes:

S. (Kris) Gopalakrishnan

#### **Economic Advisory Panel**

14 world leading economists, chaired by Professor Lord Nicholas Stern

Includes:

#### Isher Judge Ahluwalia

Two Nobel prize winners: Daniel Kahneman and Michael Spence

#### **7 Commissioning Countries**

Colombia Ethiopia Indonesia Norway Sweden South Korea United Kingdom

#### **8 Partner Research Institutes**

Climate Policy Initiative (USA) Ethiopian Development and Research Institute Indian Centre for Research on Economic Relations

Global Green Growth Institute (South Korea) London School of Economics (UK) Stockholm Environment Institute (Sweden) Tsinghua University (China) World Resource Institute (USA)

## CITIES Well planned, compact cities are more economically efficient and have lower emissions



# Waste in fuel, cars, and roads remains

![](_page_4_Figure_1.jpeg)

An American road reaches peak throughput only 5% of the time... ...and even then, it is only 10% covered with cars

Energy flow through a combustion engine

Productive use

**INNOVATION** 

Tesla motors is driving competition across the global auto industry, and creating huge wealth in the process

**Tesla market cap: \$30bn** 25,000 cars sold in 2013

**GM market cap: \$55.8bn** 9.7 million cars sold in 2013

![](_page_5_Picture_4.jpeg)

"All the geniuses here at General Motors kept saying lithium-ion technology is 10 years away, and Toyota agreed with us – and boom, along comes Tesla. So I said, 'How come some tiny little California startup, run by guys who know nothing about the car business, can do this, and we can't?' That was the crowbar that helped break up the log jam."

## Four disruptive technologies in transportation

![](_page_6_Figure_1.jpeg)

# Air pollution exposure caused ~7 million deaths worldwide in 2012, particularly in the East and South Asia

![](_page_7_Figure_1.jpeg)

1 Includes deaths attributed to ambient and household air pollution. China is included in the East Asia and Pacific region, India is included in South and South east Asia

SOURCE: Deaths from World Health Organisation, Costs from World Bank and IMF, sources of pollution from European Environment Agency

## India is a critical piece of this story

## Potential questions linked to global narrative:

- 1. Transforming the Indian real economy will require choices on nature and scale of change eg. patterns of urbanisation.
- 2. India may want to follow the approach taken by other countries of growing first and cleaning up later but is this in its own self-interest?
- 3. What are key decisions in the next 5-10 years which will shape India's future in the next 25 years?