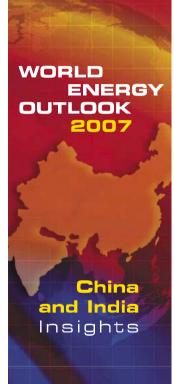


Dr. Fatih Birol
Chief Economist
International Energy Agency

Informal High Level Brainstorming Meeting, 29 May, Paris



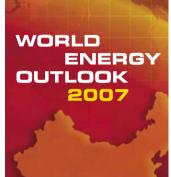
Objective of the Study



- Detailed analysis of the energy and environmental prospects for China and India – providing recommendations for Chinese and Indian decision makers on energy policy
- Assessment of the implications for global energy markets, the world economy and government policy



Outline Book Structure



and India Insights Part A: Global Implications of Energy Development in China and India

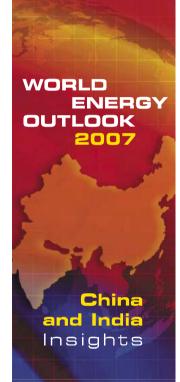
Part B: China's Energy Prospects

Part C: India's Energy Prospects

with detailed tables, graphs, maps, etc.



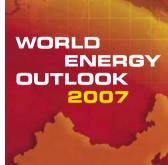
Approach



- Update of global energy outlook
- Scenario approach:
 - > Reference Scenario
 - Alternative Policy Scenario
 - ➤ High Growth Scenario (China/India)
- Development of very detailed data-bases and models for China and India
- General equilibrium model to analyze impact on global economy and energy prices
- Cooperation with China's NDRC, India's NPC, ERI, TERI, IMF, World Bank, Asian Development Bank, etc.

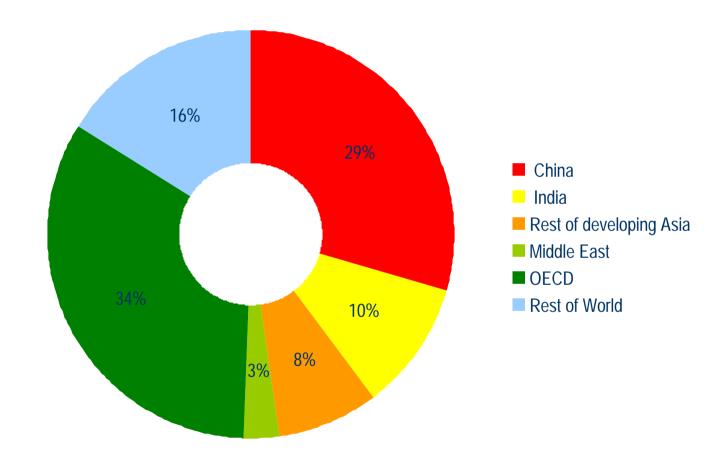


World GDP - Regional Shares



China and India Insights

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Developing Asia accounts for nearly a half of the global GDP growth between 2001 and 2006, China alone for 30%

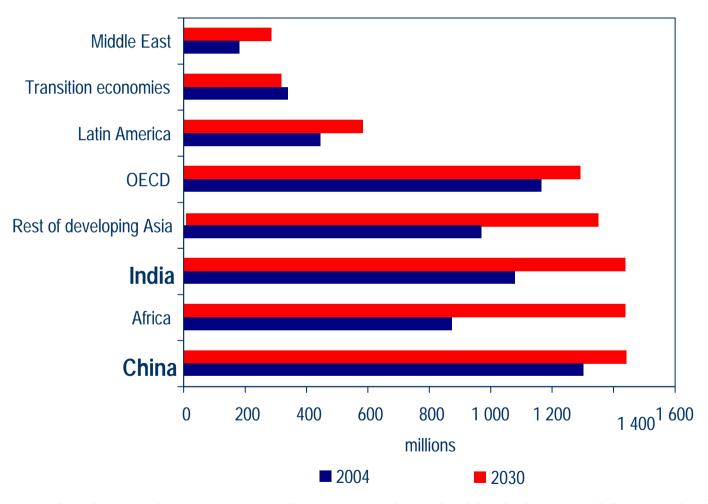


World Population by Region

WORLD ENERGY OUTLOOK 2007

China and India Insights

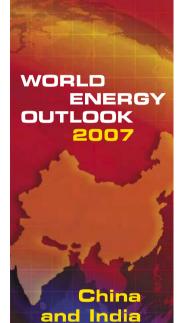
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Developing Asia accounts for more than half of the world population, with per capita income almost tripling by 2030

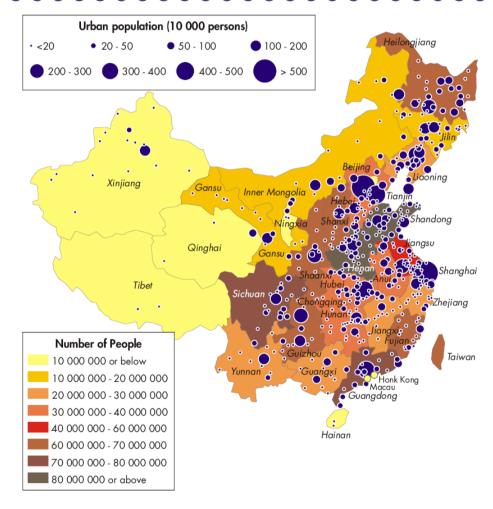


Urbanisation in China



Insights

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Today "only" 40% of Chinese population live in urban area, by 2030 an additional 350 million people will leave in urban area

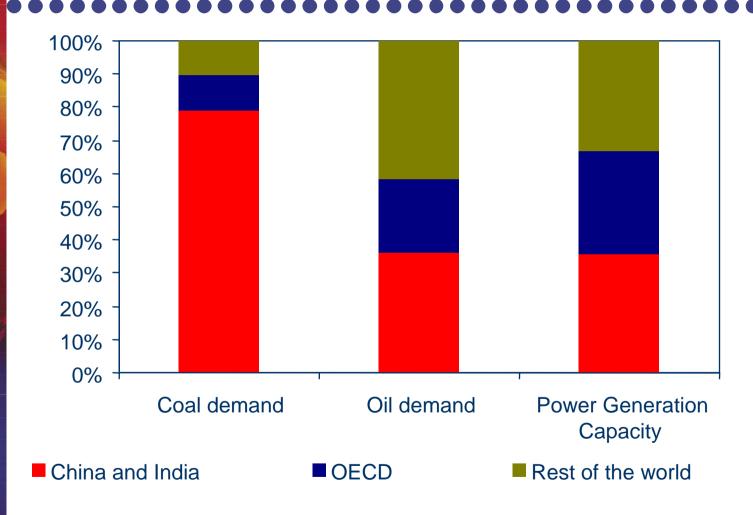


Reference Scenario: Share of China and India in the Global Coal, Oil and Power Capacity Growth, 2004-2030

WORLD ENERGY OUTLOOK 2007

> China and India Insights

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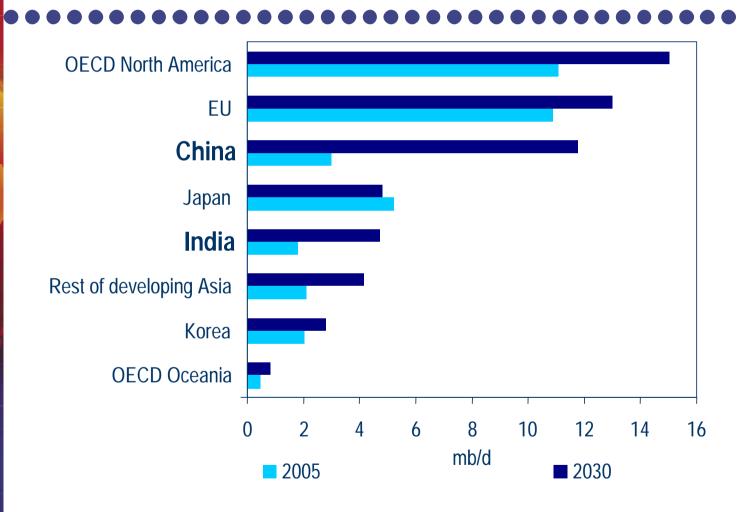
China and India account for a significant part of the growth in the global fuel demand and power generation capacity



Net Oil Imports

WORLD ENERGY OUTLOOK 2007

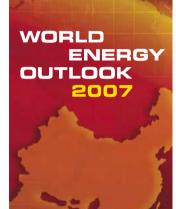
> China and India Insights



China and India see the biggest jump in oil imports in absolute terms, import dependency reaching nearly 80% in 2030



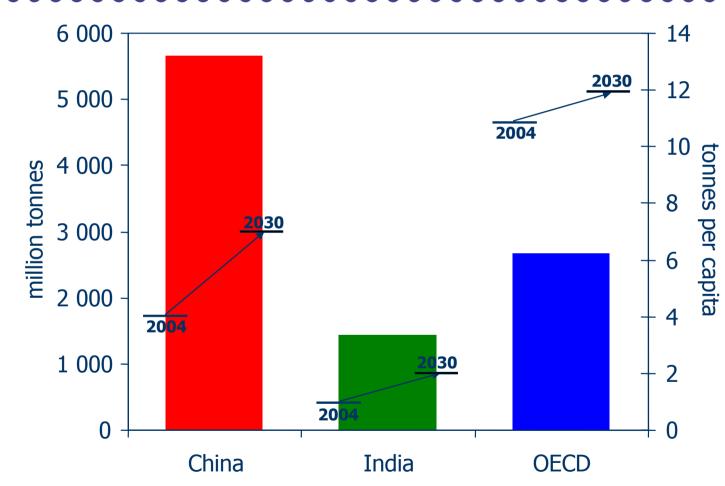
CO₂ Emissions Growth, 2004-2030



China

and India

Insights



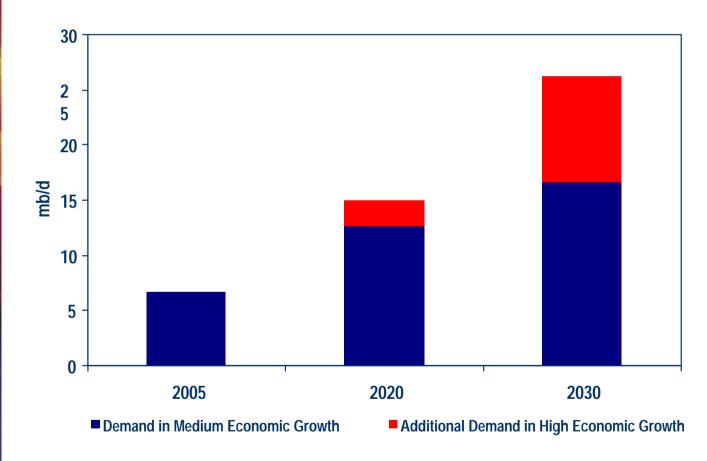
Emissions growth in China is twice as large as in the OECD, but in 2030 per capita emissions will be lower than OECD ones in 2004



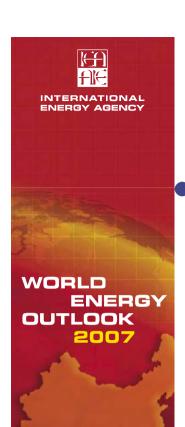
China's Oil Demand: Medium and High Economic Growth Scenarios



China and India Insights



A high economic growth path will bring substantial amount of additional oil demand growth



and India

Insights

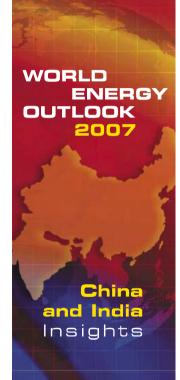
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Expected Outcomes of Today's High Level Brainstorming

- How will OECD and other developing countries economy be impacted in the long term from China and India rise?
- How will global energy/commodities markets react to the increasing import needs of China and India?
- What are the key energy and environment policy questions at global level linked to the rising importance of China and India
- Is there a role for OECD countries in assisting China and India in addressing energy-security and environmental concerns?
- What active role can the IEA take in this changing energy world?



Workplan



- Nov-May: Data collection, modelling and analysis
- Workshops:
 - ➤ End-March: Workshops in Beijing/New Delhi
 - ➤ Mid-May: IEA/OPEC Workshop in Bali
 - > 29 May: Brainstorming meeting in Paris
- Jun-Aug: Completion of results and drafting
- Aug-Sep: Incorporation of peer reviewer comments and fine-tuning results
- 7 November: Release to international press in London