

GTSP



Global Energy Technology
Strategy Program

Overview of Asia in the GTSP Phase 2 Scenarios

Aggregate Characteristics for Asia in a Representative Scenario

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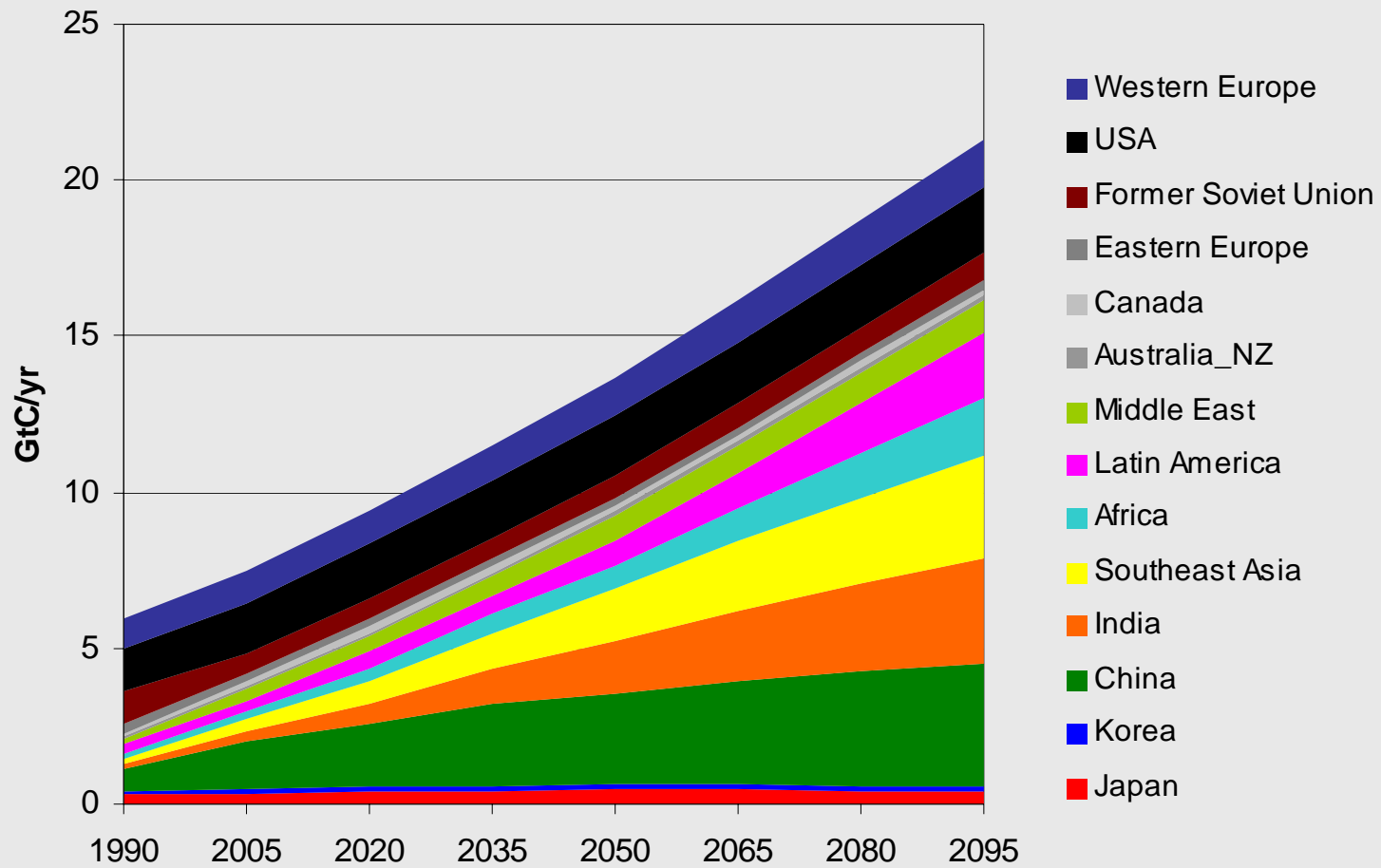


**Pacific Northwest
National Laboratory**
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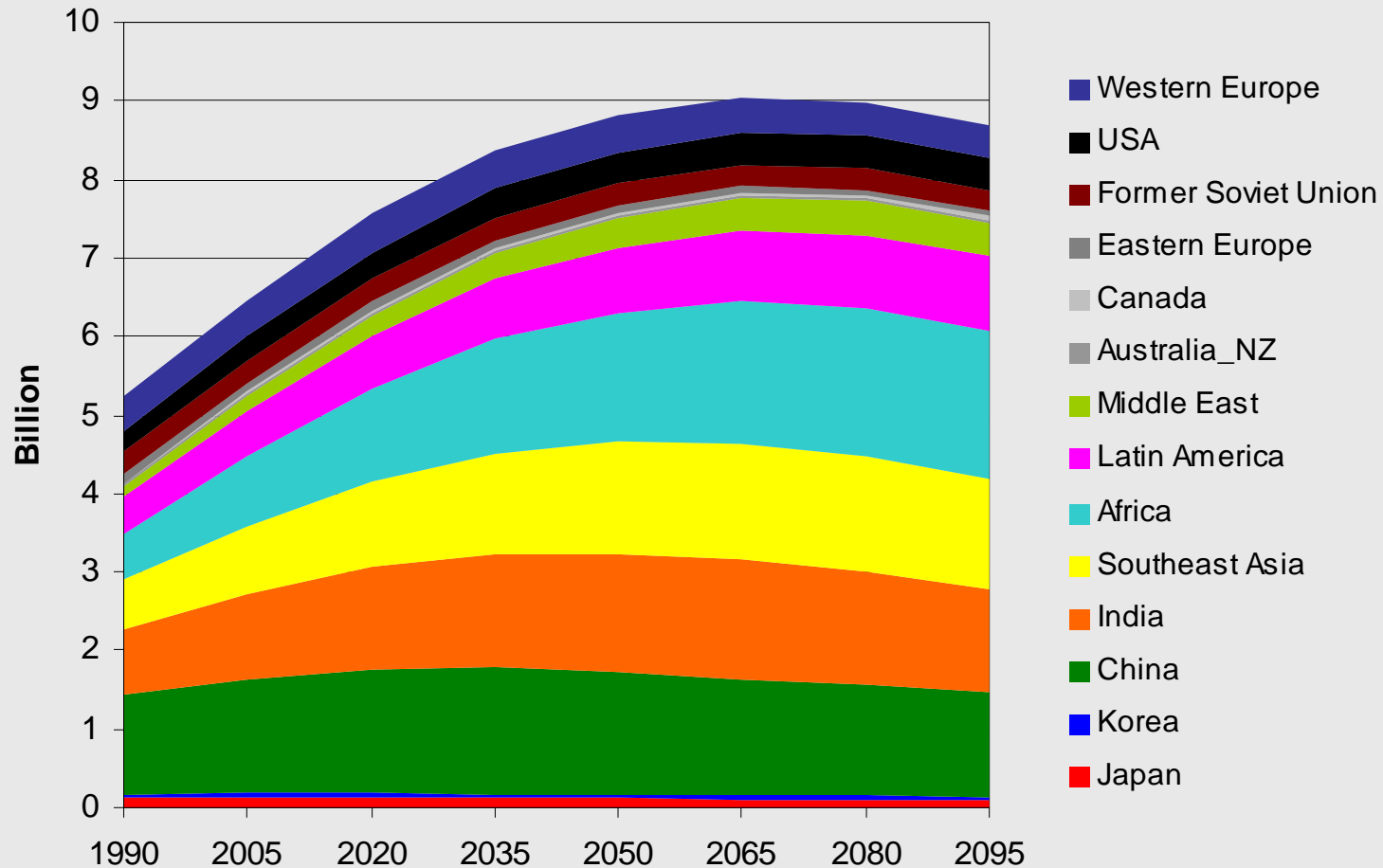
Outline

- ▶ This presentation provides sample output from a GTSP Phase 2 representative scenario with a focus on Asia
 - Countries: South Korea, India, China, Japan
 - Time frame: 1990 through 2095
 - International comparison: carbon emissions, population, GDP
 - Detailed model output by country: primary energy by fuel, carbon emissions by end-use sector, electricity generation by fuel, population, GDP
- ▶ Presentations covering individual countries will follow
- ▶ We will conclude with a general discussion of long-term reference and stabilization scenarios for Asia

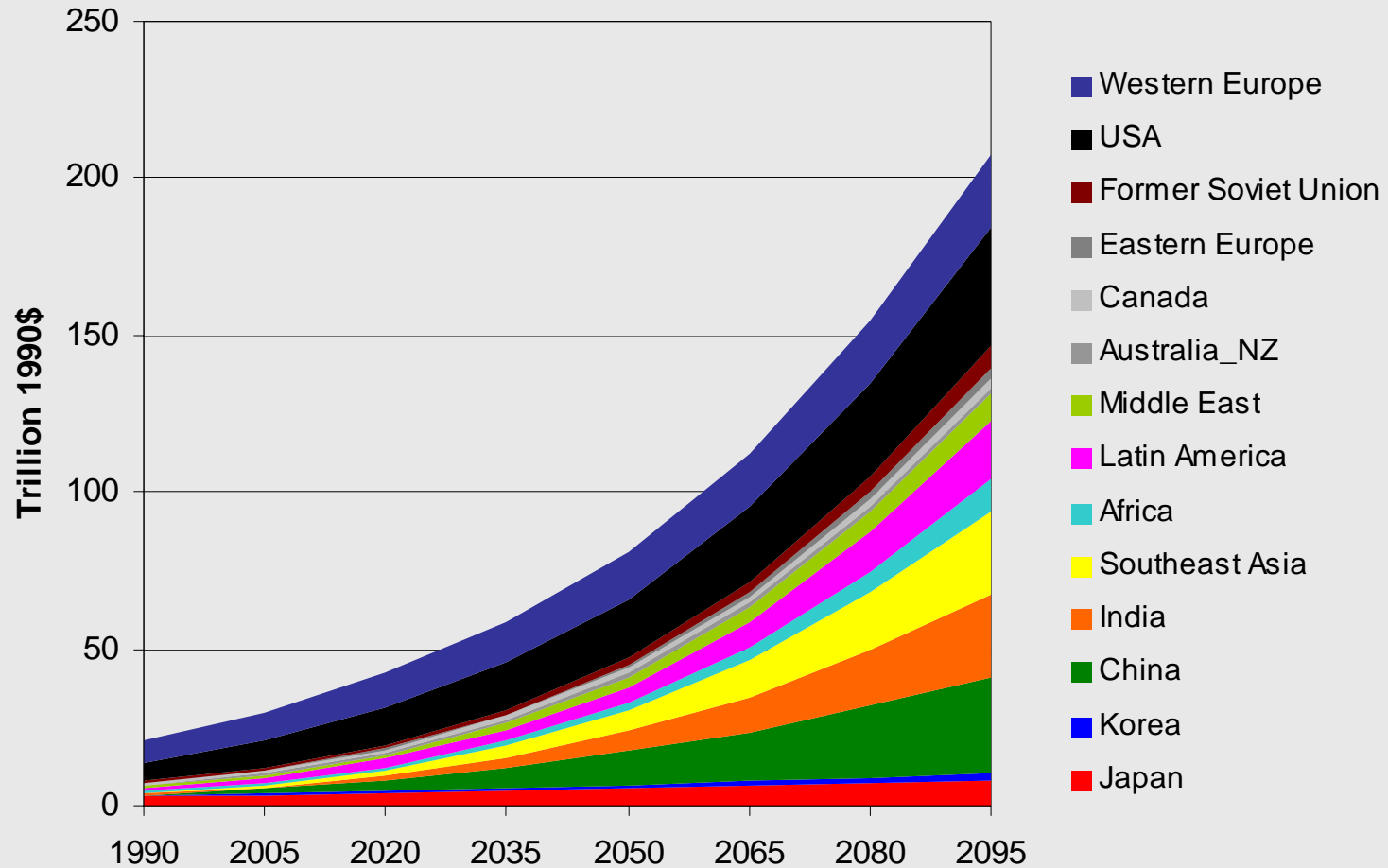
Global Carbon Emissions



Global Population

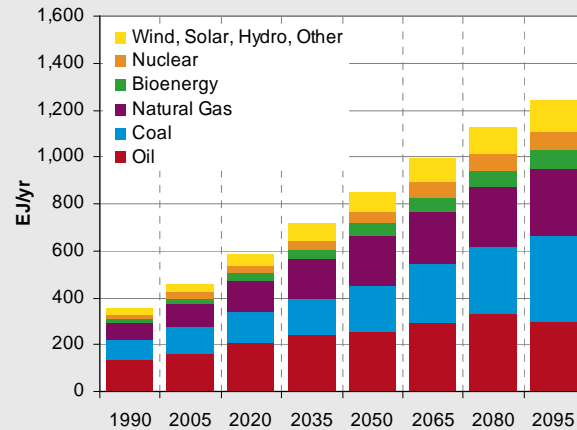


Global GDP

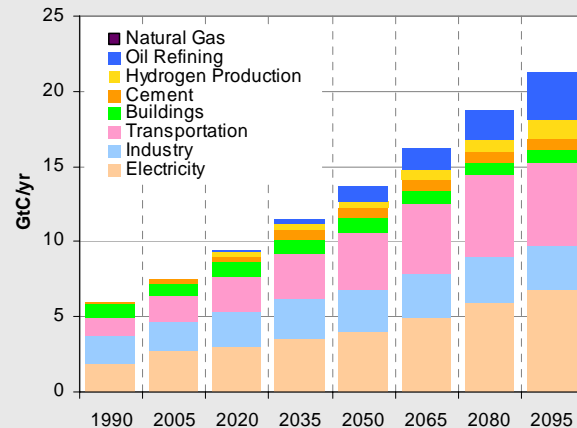
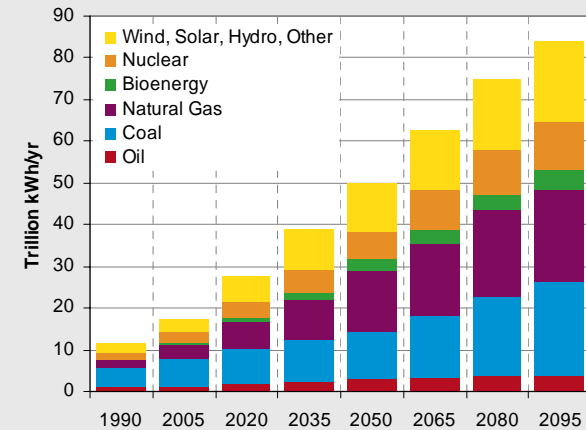


Global Totals

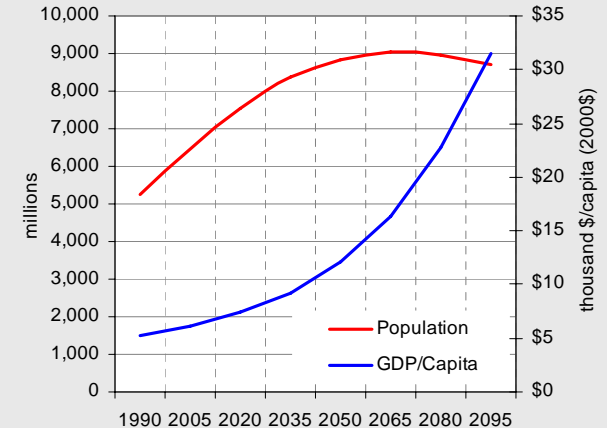
Primary Energy Production



Electricity Production



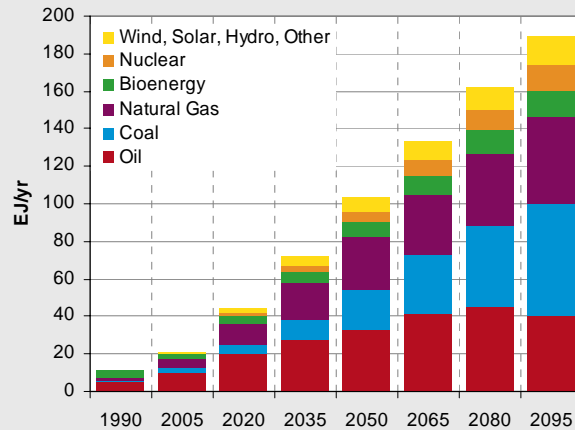
Carbon Emissions



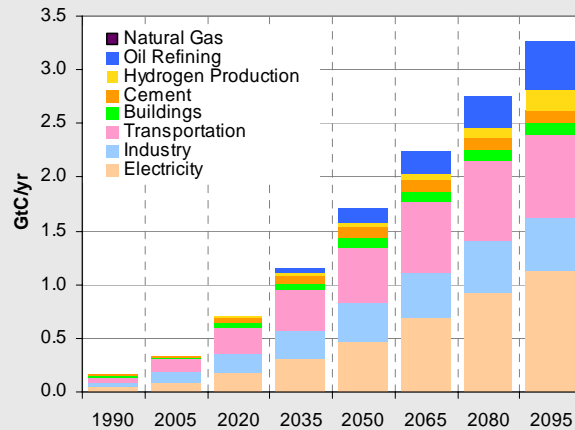
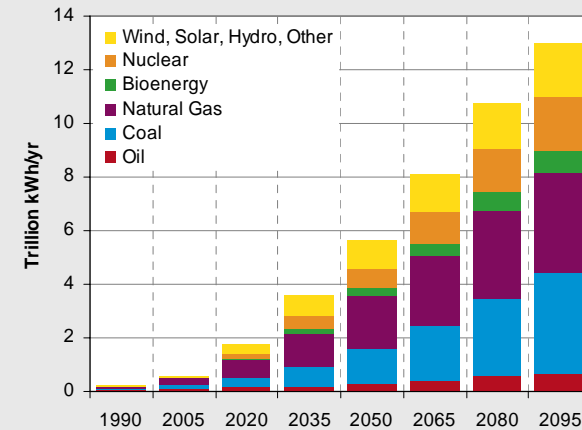
Population / GDP

Southeast Asia

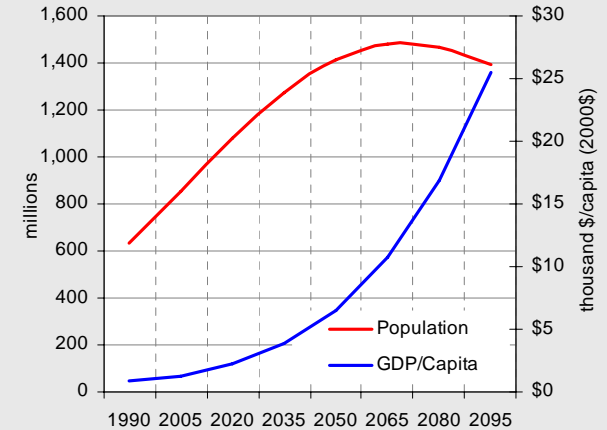
Primary Energy Production



Electricity Production



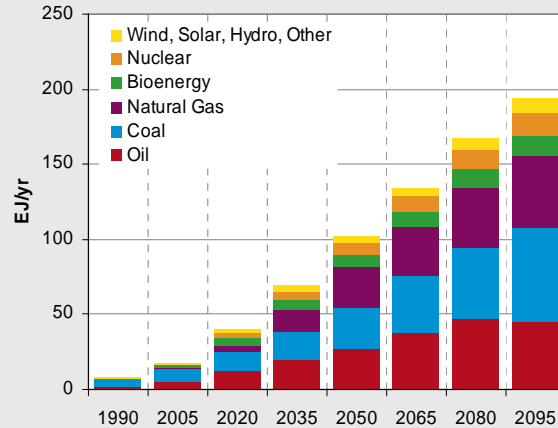
Carbon Emissions



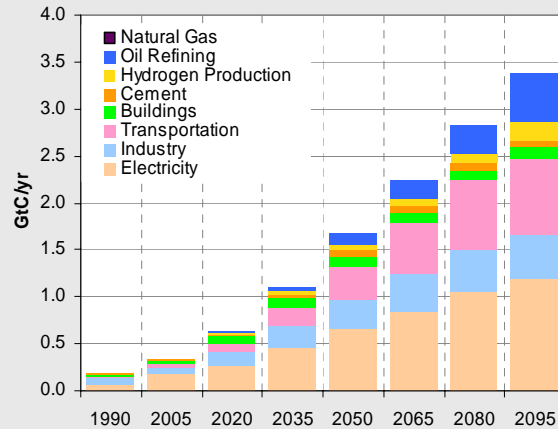
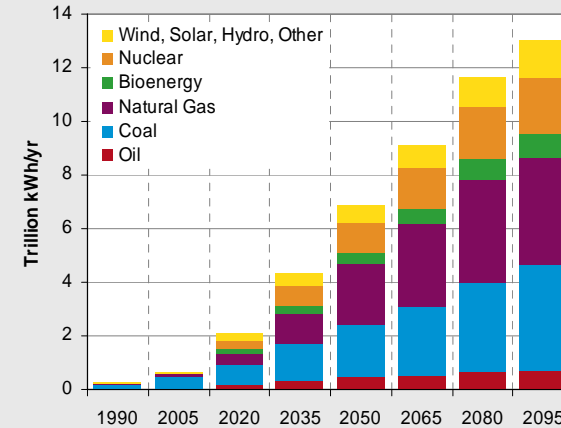
Population / GDP

India

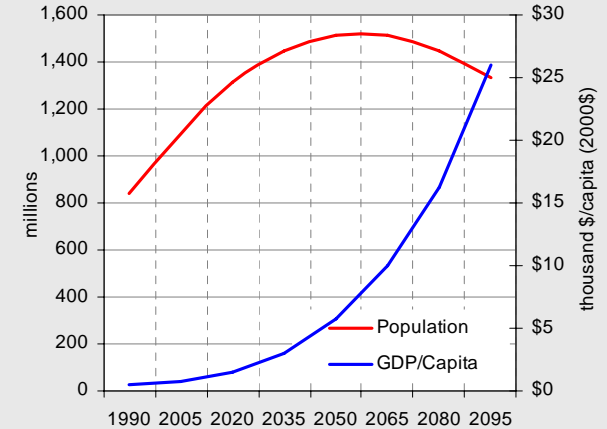
Primary Energy Production



Electricity Production



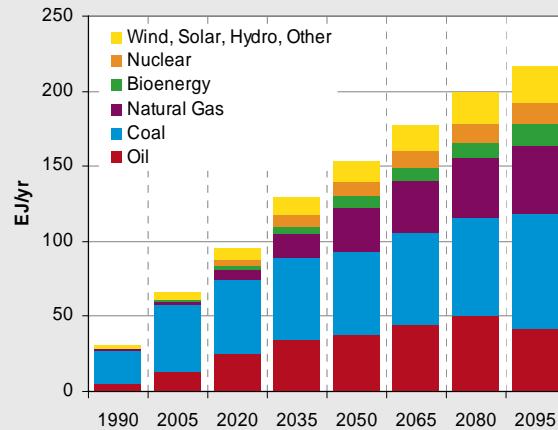
Carbon Emissions



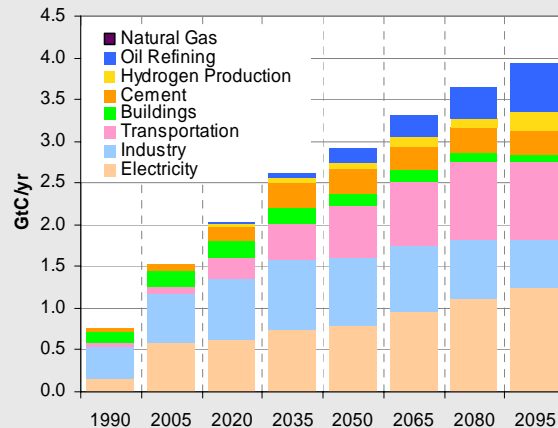
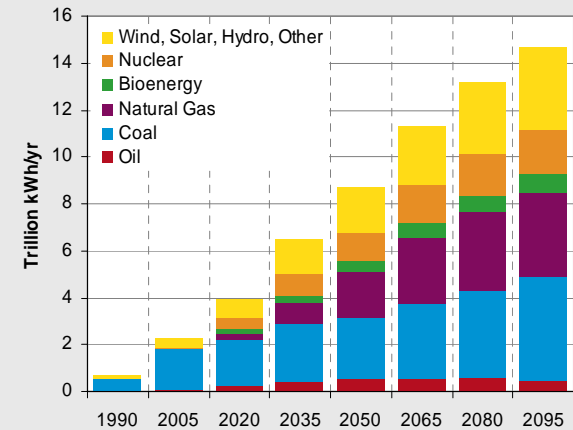
Population / GDP

China

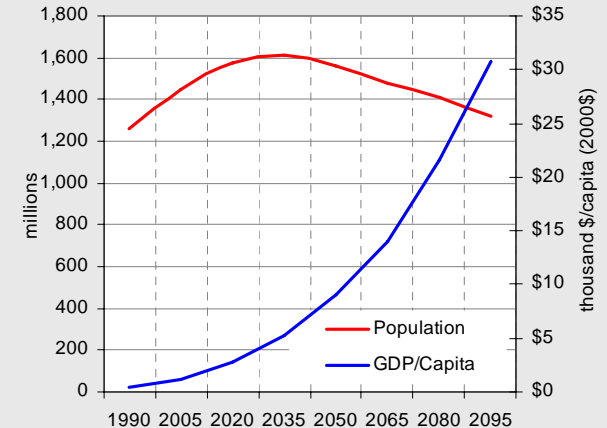
Primary Energy Production



Electricity Production



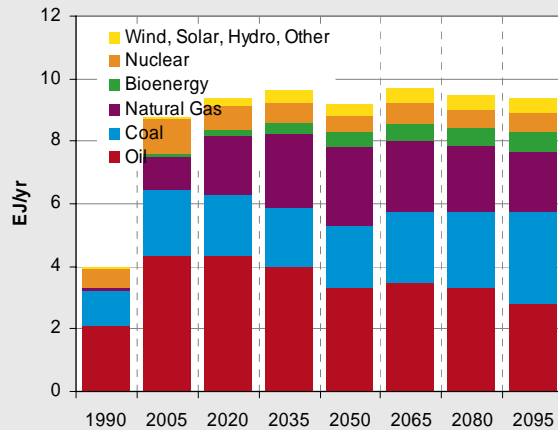
Carbon Emissions



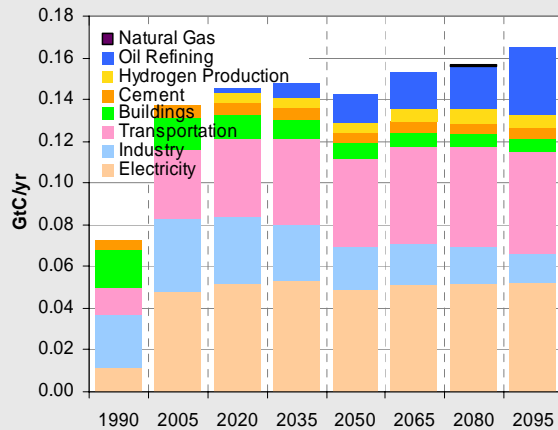
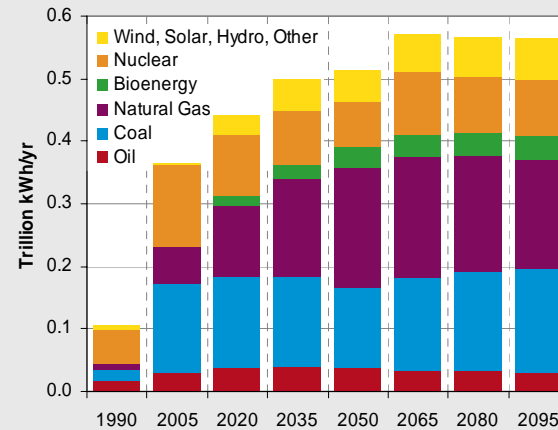
Population / GDP

South Korea

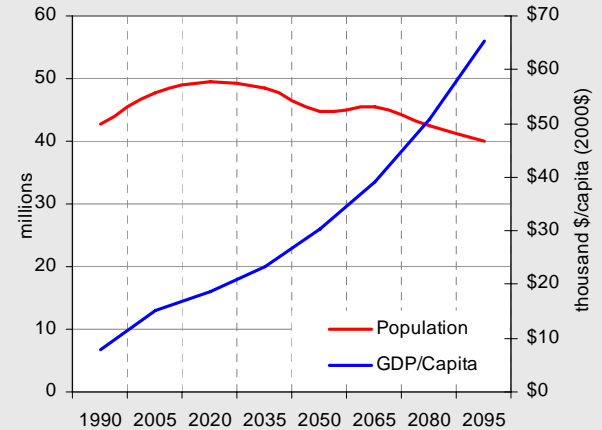
Primary Energy Production



Electricity Production



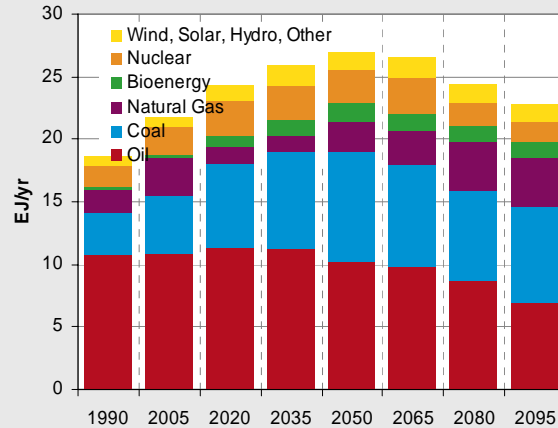
Carbon Emissions



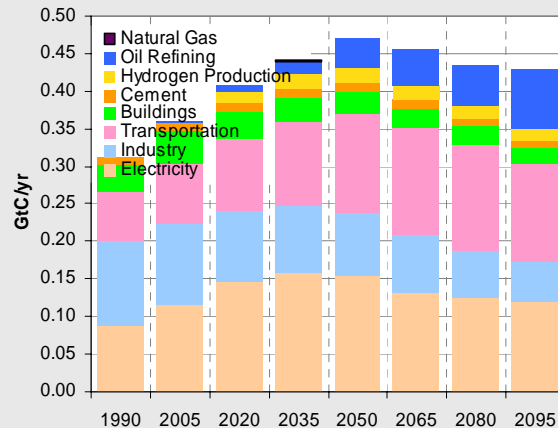
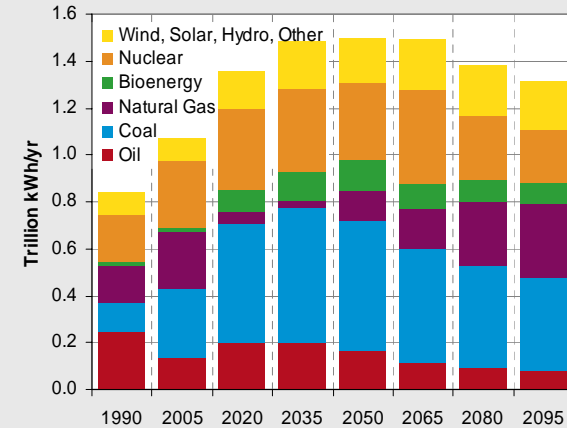
Population / GDP

Japan

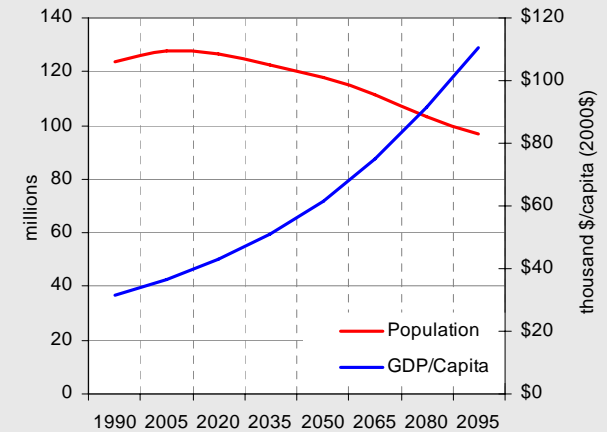
Primary Energy Production



Electricity Production



Carbon Emissions



Population / GDP