

CRIEPI Seminar on Global Environmental Policy

Presented by

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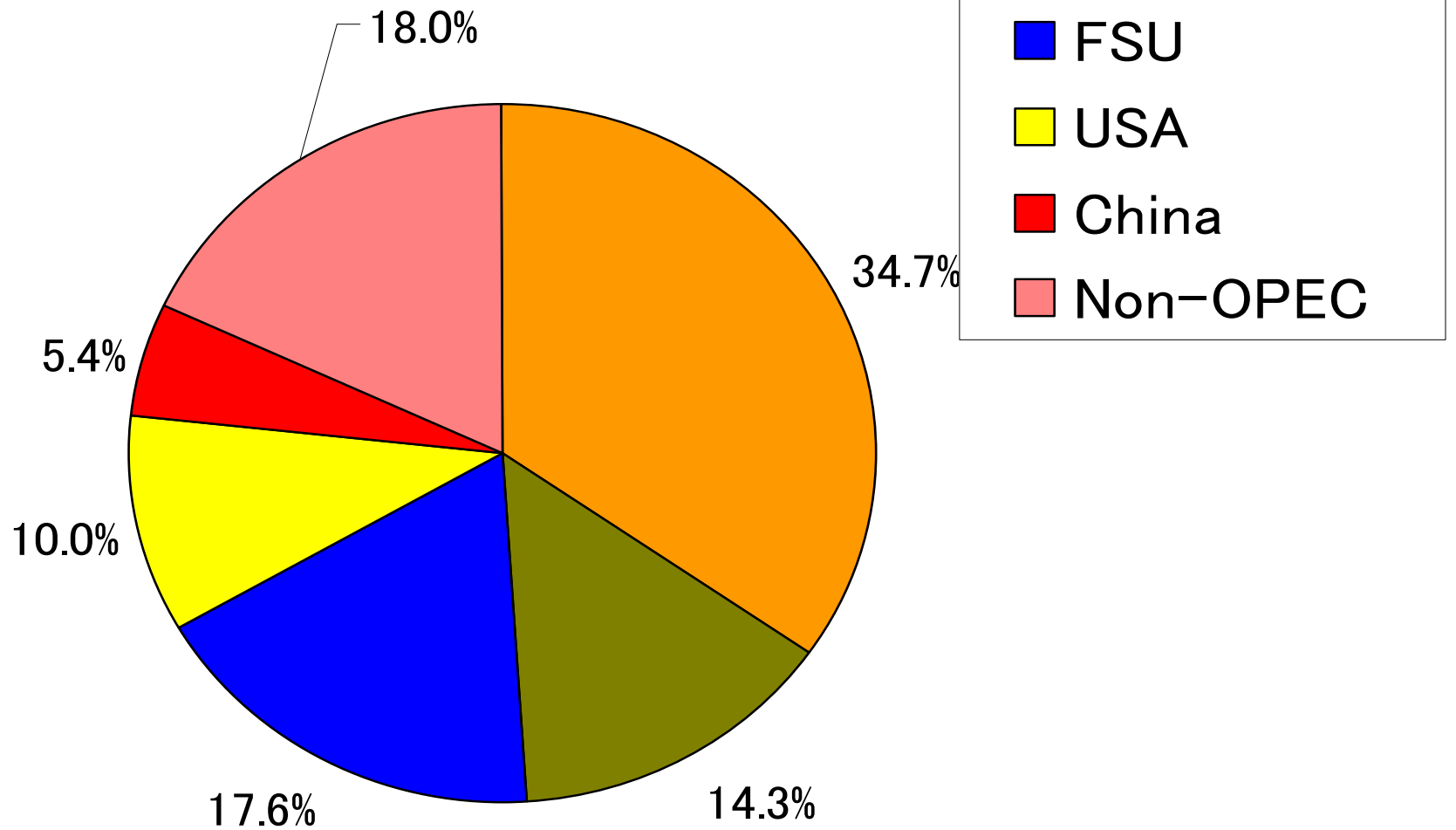
Chaired by

Mitsuho Uchida

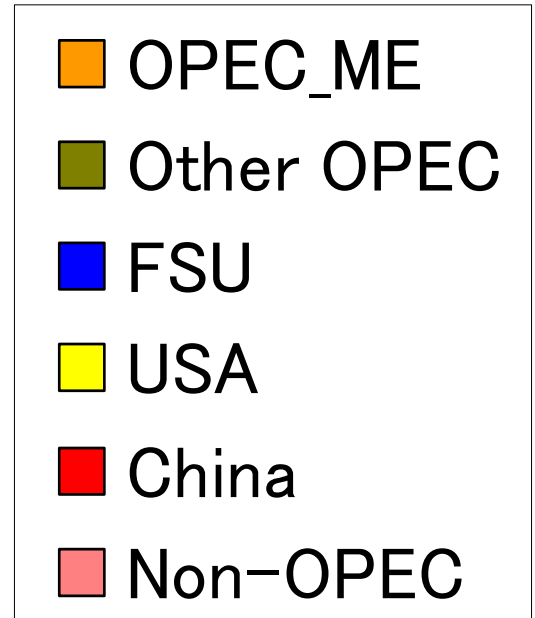
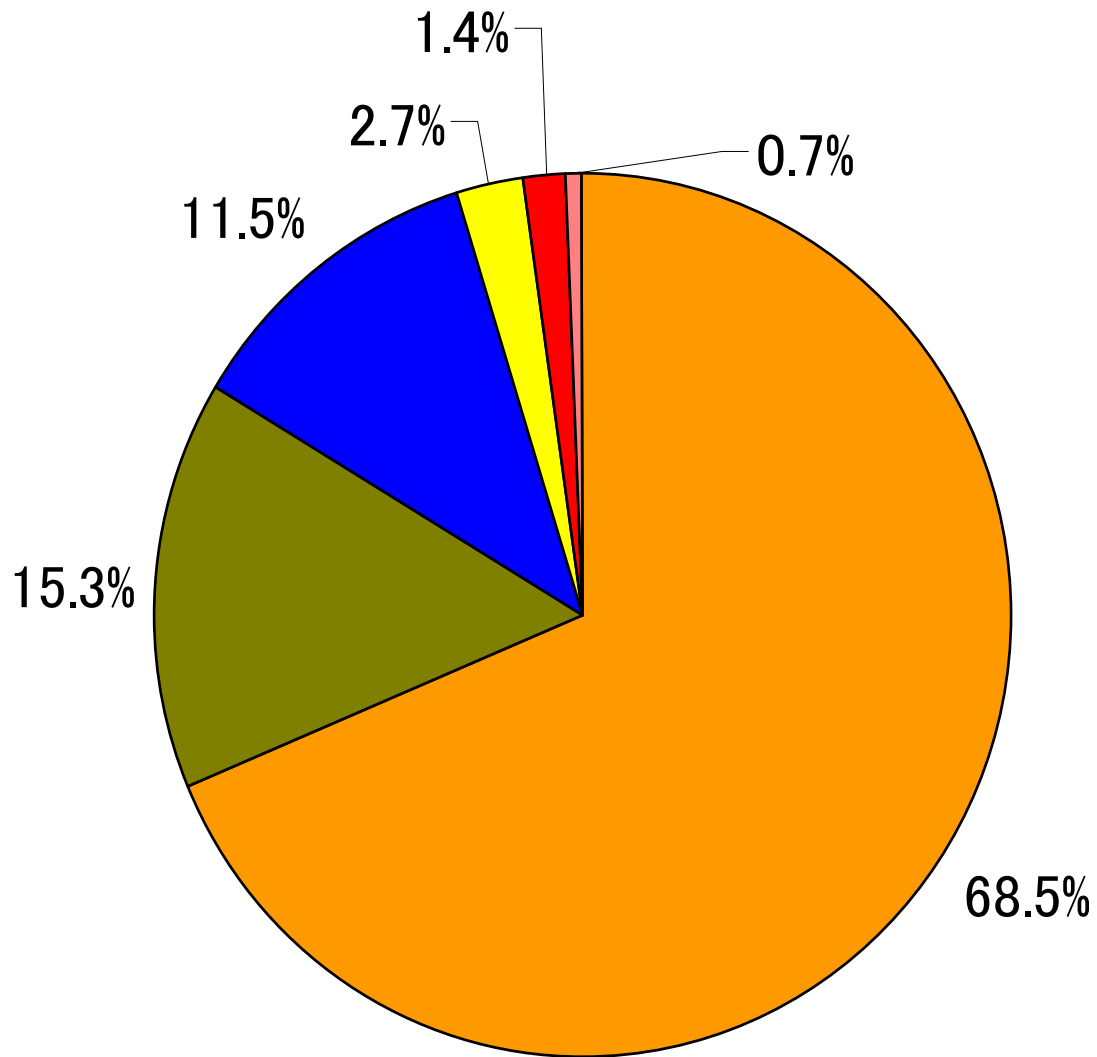
October 19, 2007 Toyama University

- The 21st century is the *age of globalization* :
 - *Instant transmission* of information, knowledge, and ideas around the world
 - *Worldwide access* of transportation networks
 - Intense international *economic competition*
 - Rapid expansion of *multinational industries*
 - *Universal connection* of capital and financial markets
 - Globalized *security* concerns : energy security and climate security are very serious issues in NEA

Oil Production as of 2005

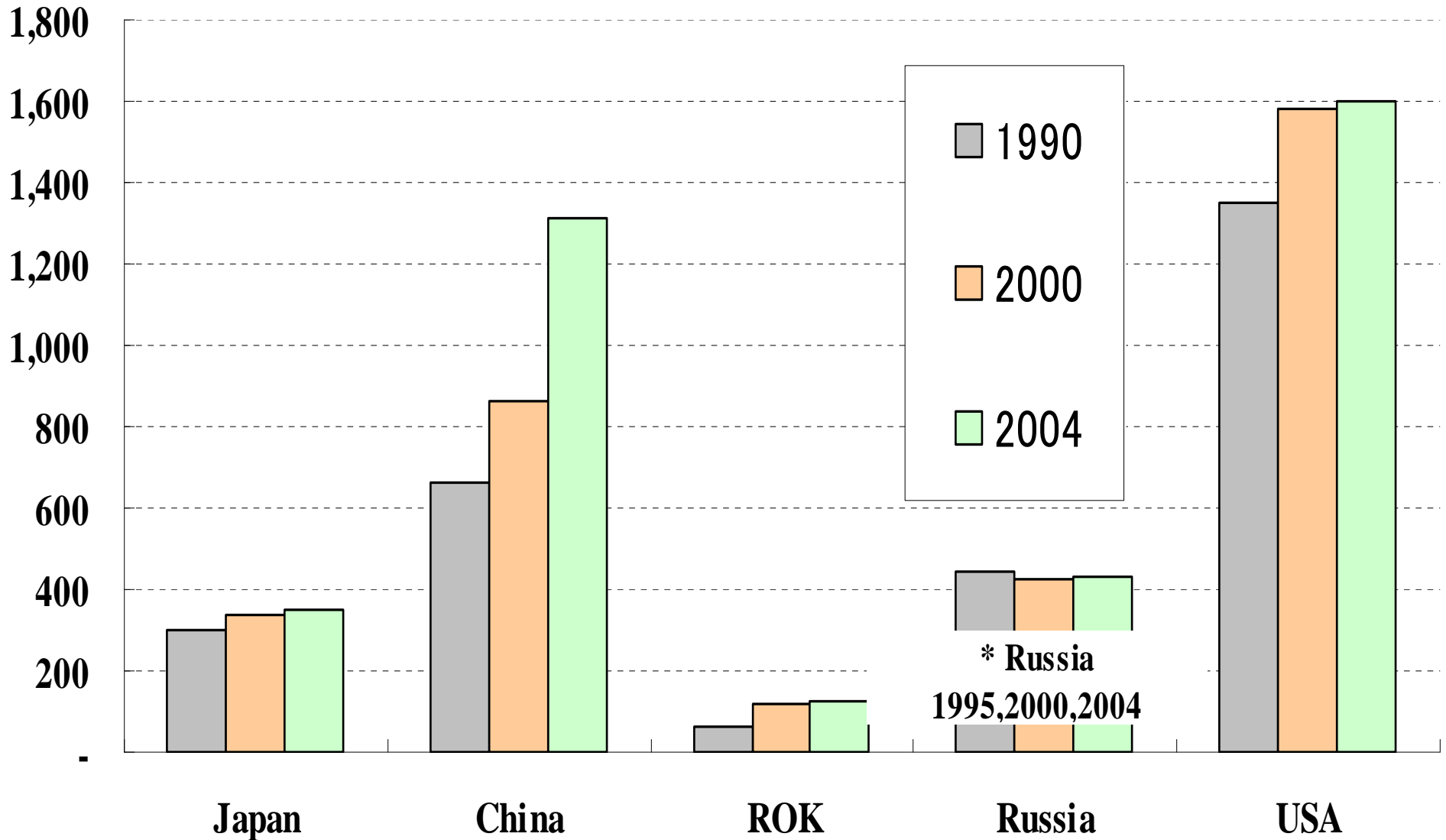


Oil Reserves as of 2005



Mt-C

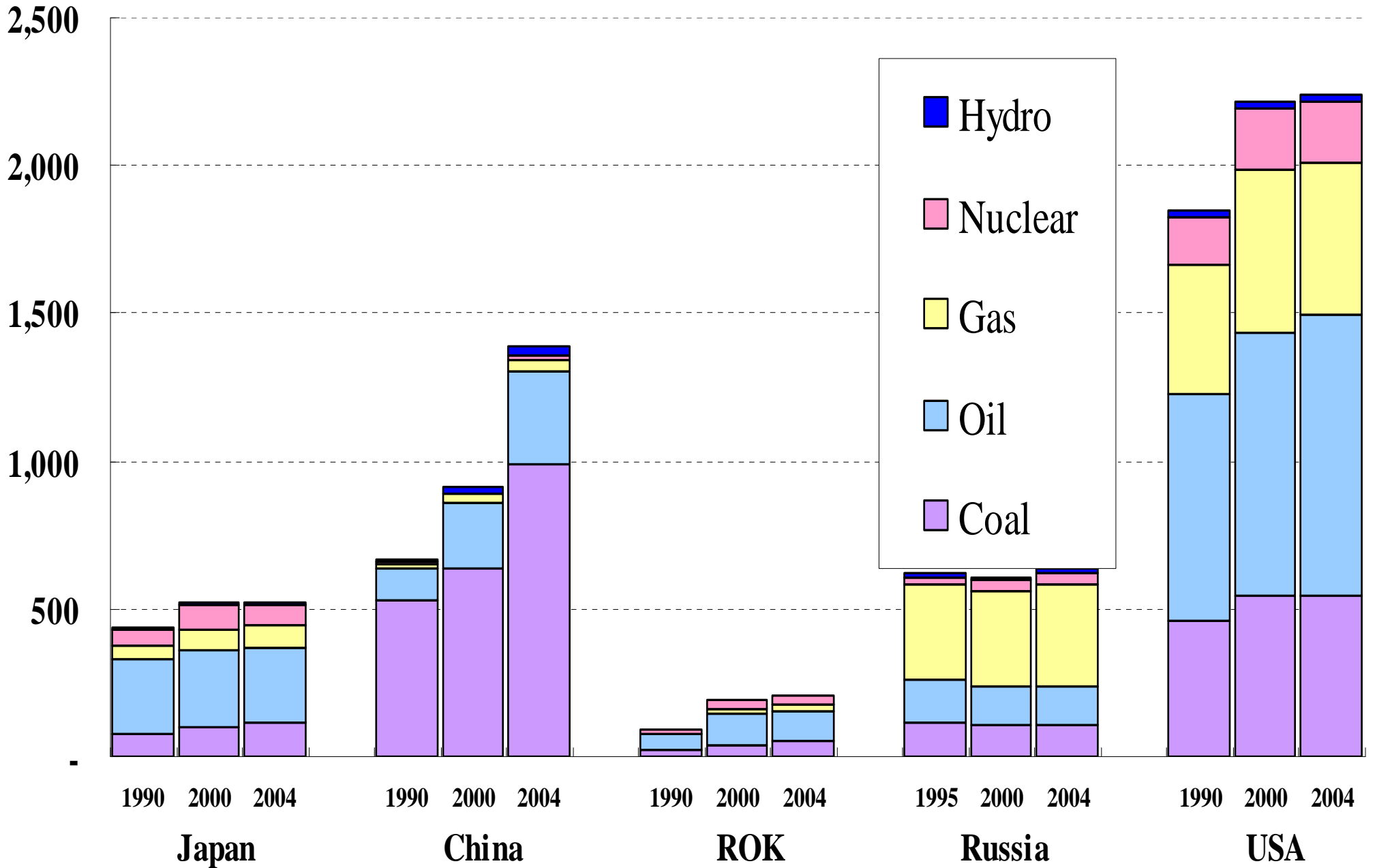
CO₂ Emission



Sources: IEEJ "Handbook of Energy & Economic Statistics in Japan"

Primary Energy Supply

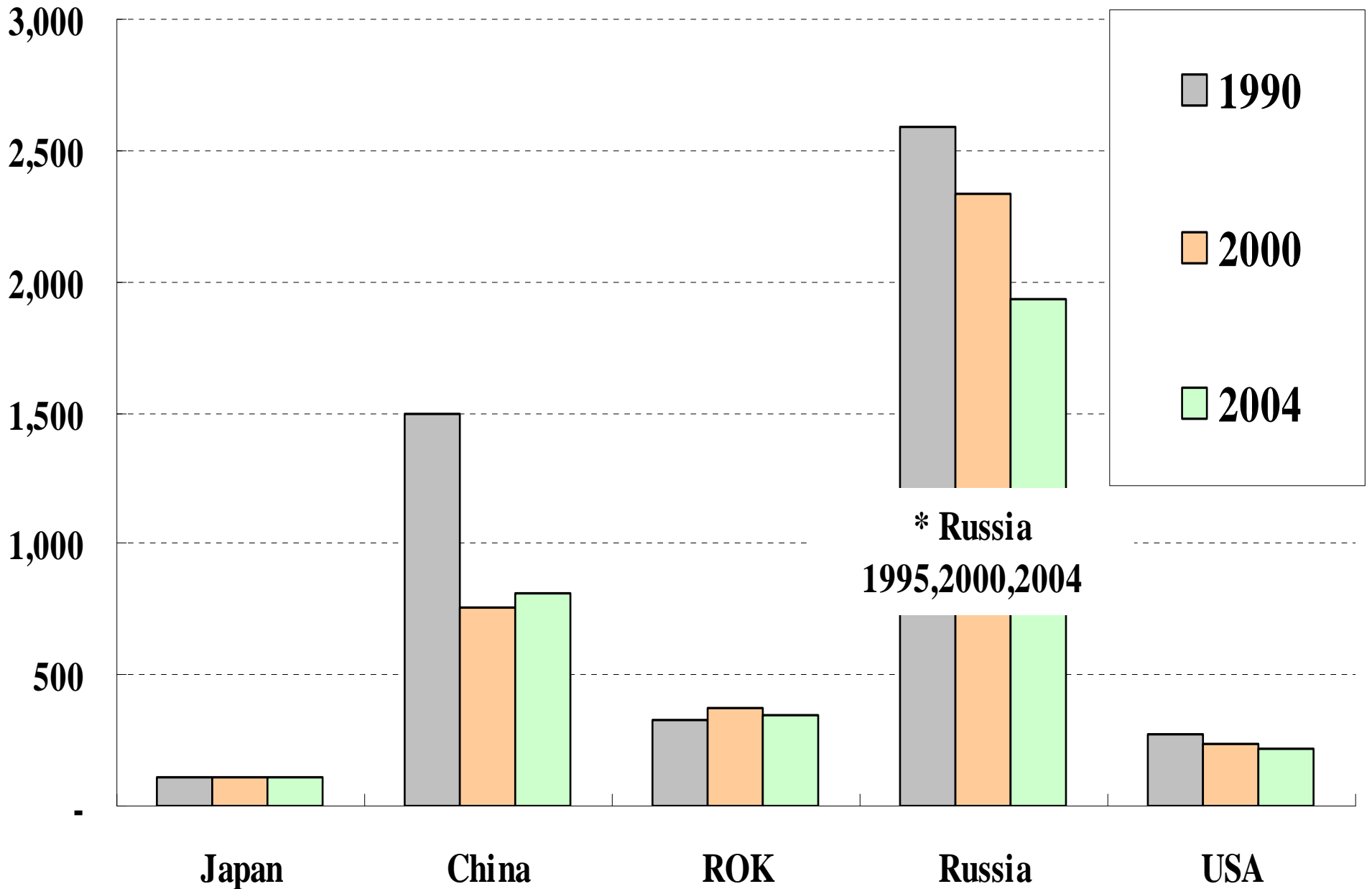
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Sources: IEEJ "Handbook of Energy & Economic Statistics in Japan"

Primary Energy Demand / GDP (US\$, 2000price)

toe/M US\$



* Russia
1995,2000,2004

Sources: IEEJ "Handbook of Energy & Economic Statistics in Japan"

1. What Causes Global Warming and Its Consequences?
2. The Road to Zero CO2 Emission Society
3. Energy Strategy for Energy Security and Climate Security:
 - The Role of Clean Coal Technology
 - The Role of Biomass
 - Electrification with De-carbonizing Electricity Supply