

13th Northeast Asia Economic Forum

Energy Challenges in Northeast Asia and Future Directions

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Energy Resources in Eastern Russia

- ◆ Natural gas
- ◆ Electricity potential
- ◆ Oil reserves

East Siberia and The Far East



Mongolia

China

Liaoning

Heilongjiang

Jilin

DPRK

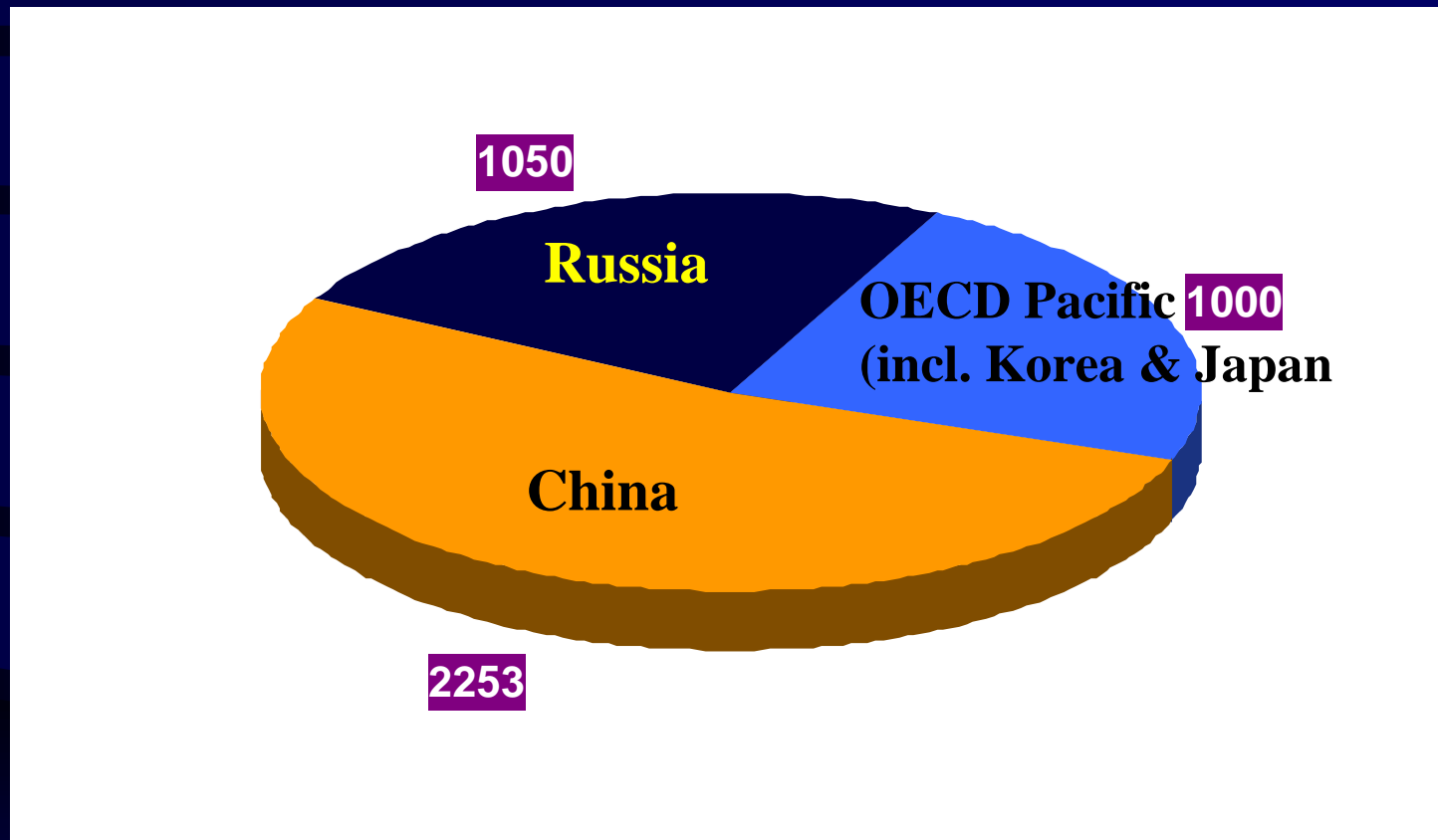
Korea

Japan

Energy Demand in China, Japan, Korea

- ◆ Currently 20% of World TPES
- ◆ 1/3 of world demand increase
- ◆ High dependence on Middle East oil

Northeast Asia Energy Investment by Country/Region 2001-2030 (US\$ billion)



The region will account for about 26% (\$4,303 billion) of world total energy investment (\$16 trillion) during the projection period

Northeast Asia Natural Gas Pipeline Design



Electric Power Link Design in Northeast Asia



(Source: Korea Electrotechnology Research Institute)

Challenges for Regional Energy Cooperation

- **Lack of energy infrastructure**
 - **Need for significant amount of investment**
- **Energy sector restructuring**
- **Political issues**

Directions for the Future

- **Creation of right enabling conditions for energy sector investment**
- **Less direct intervention from the government**
- **Close monitoring of the regulatory reforms**
- **Basic principles of good governance**

Thank you !