

Greener Growth Cooperation in Northeast Asia

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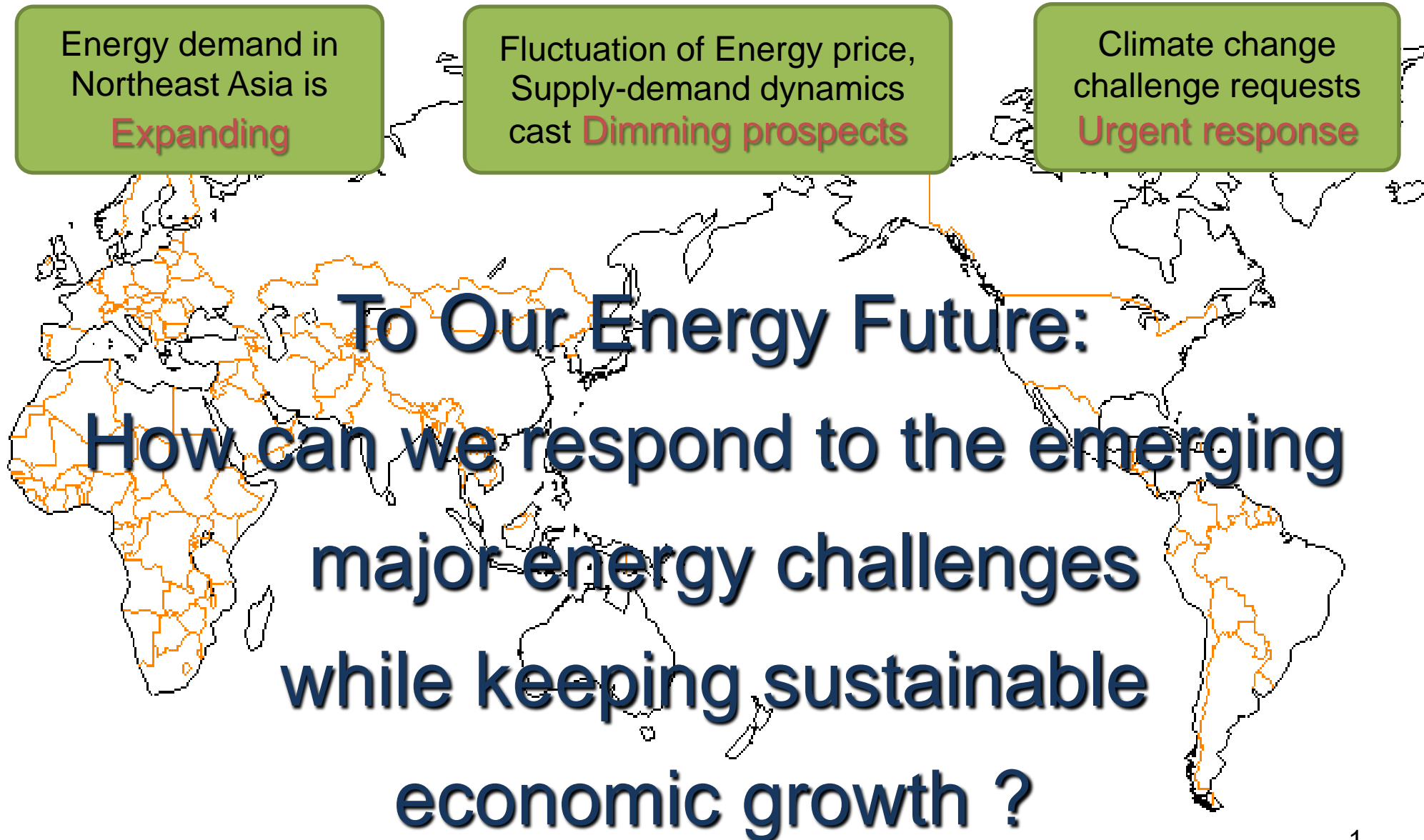
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Current situation

Energy demand in
Northeast Asia is
Expanding

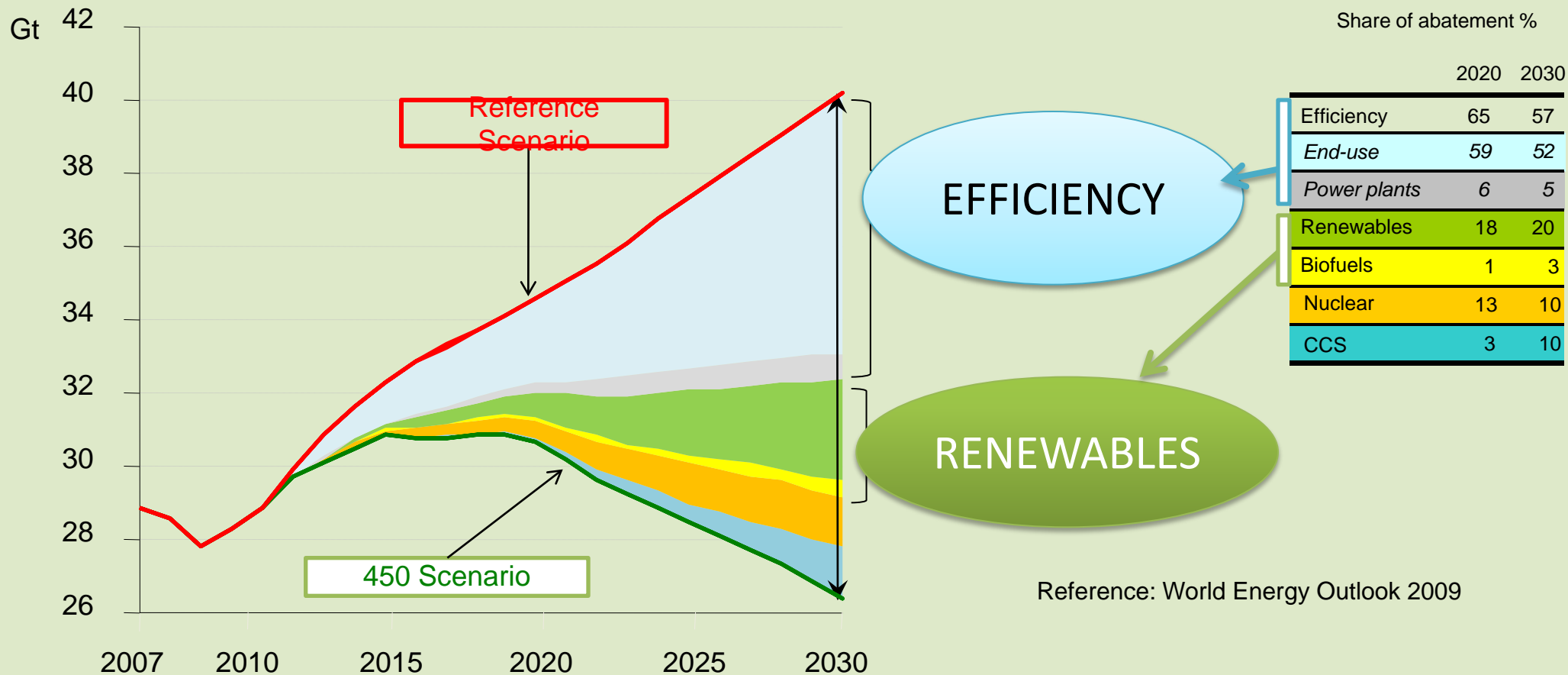
Fluctuation of Energy price,
Supply-demand dynamics
cast **Dimming prospects**

Climate change
challenge requests
Urgent response



**To Our Energy Future:
How can we respond to the emerging
major energy challenges
while keeping sustainable
economic growth ?**

World abatement of energy-related CO₂ emissions



Efficiency measures account for about 60% of abatement, with renewables contributing to about 25% in 2030.

Energy efficiency and renewable energy are the top two contributors

What are we doing in the global framework ?

Improve energy efficiency

- International Energy Agency (IEA)
- International Partnership for Energy Efficiency Cooperation (IPEEC)

-Established at G8 Energy Ministers Meeting in 2009
-14 countries including G8, China, Republic of Korea, India, Brazil, Mexico and Australia

- Energy Charter Treaty (ECT)
-46 countries including Mongolia and Japan
- Asia Pacific Economic Cooperation (APEC)
-9th Meeting of APEC Energy Ministers in Fukui (June,2010)
- East Asian Summit (EAS)
-ASEAN countries and Australia, China, India, Republic of Korea, Japan and NZ
-4th EAS Energy Ministers Meeting (July, 2010)

Promote renewable energy




- International Energy Agency (IEA)
- International Renewable Energy Agency (IRENA)

-Statute just entered into force on July 8, 2010
-34 countries including Mongolia, Republic of Korea and Japan, with 149 Signatories countries

- Global BioEnergy Partnership (GBEP)

-Initiated by G8+5 in 2005
-22 countries including China and Japan and 11 International organizations



What kind of concrete measures are we taking under the global framework to our energy future?

Improve energy efficiency

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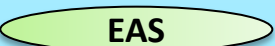
Policy Making and Coordination

- International Low-Carbon Energy Technology Platform **IEA, IPEEC and others**
 - 1st high level meeting in Oct., 2010
 - Discuss how to design policies to accelerate the spread of low-carbon technology
 - Encourage the deployment of energy technology suited to each national circumstance
- 25 Energy Efficiency Policy Recommendations **G8 and IEA**
- Aspirational energy intensity reduction goal (reducing the ratio of energy use to economic output by at least 25% from 2005 by 2030) **APEC**
- Peer Review on Energy Efficiency (PREE) **APEC**
- Protocol on Energy Efficiency and Related Environmental Aspects (PEEREA) **ECT**
- Follow up for Energy Efficiency Goals and Action Plan (Energy Efficiency Roadmap Formulation Project, Energy Efficiency Conference) **EAS**
- Rationalization of fossil fuel subsidies **G20**
- Collaborative Assessment Standards and Testing (CAST) **APEC**
- Cooperative Energy Efficiency Design for Sustainability (CEEDS) **APEC**

Improve energy efficiency

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Technologies and Best Practices Sharing

- APEC Low-Carbon Model Town Project 
 - 1st feasibility study proposed in Tianjin
- Technology Roadmaps 
 - Efficient Industry Processes (starting with the cement industry)
- WEACT 
 - Worldwide Energy Efficiency Action through Capacity Building and Training
- EMAK 
 - Energy Management Action Network for Industrial Efficiency
- SBN 
 - Sustainable Building Network
- IPEEI 
 - Improving Policies through Energy Efficiency Indicators
- SEAD 
 - Super-efficient Equipment and Appliance Development
- Workshop on Industrial Energy Efficiency in New Delhi, Expert Meetings on Energy Efficiency Indicators in Russia 
- Energy Cooperation Initiative 

Promote renewable energy

Policy Making and Coordination, Technologies and Best Practices Sharing

- Providing practical advice and support as one stop shop of renewable energy policy, technology and innovation. IRENA
- Analysis on renewable energy technologies, and research, development and demonstration, policy and market, and gathering and elaboration of statistical data
 - IEA and IRENA
 - Special in-depth analysis on renewable energy in WEO 2010 (Nov. 2010) IEA
- Renewable Energy Capacity building
 - Helping island countries for their energy transfer to Renewable Energy (i.e. Tonga Energy Roadmap) IRENA
 - Technology assistance and workshop (Wind power roadmap project for China, etc.) IEA
 - Building country capacity for assessing sustainable bio-energy potential and devising and implementing a strategy for realization of this potential GBEP
- Implementing Agreements for Renewable Energy IEA
- Technology Roadmaps (Solar photovoltaic, Wind energy, etc.) IEA
- Building a standard as “Common Methodological Framework for Green House Gas Lifecycle Analysis of Bio-energy” GBEP

Towards our greener growth cooperation

- Improving energy efficiency and practicing renewable energy should be given a top priority for greener growth cooperation.
- Global practices and expertise in these area should be applied to our regional cooperation.
- Developing the network of partnerships with energy-related organizations and making full use of excellent technologies in order to ensure a constructive synergy are important.
- Japan will continue closely to collaborate with Asian partners in the energy field.

Thank you for your attention.