



Report on APERC Activities

Workshop on Multilateral Energy Cooperation in
Northeast Asia

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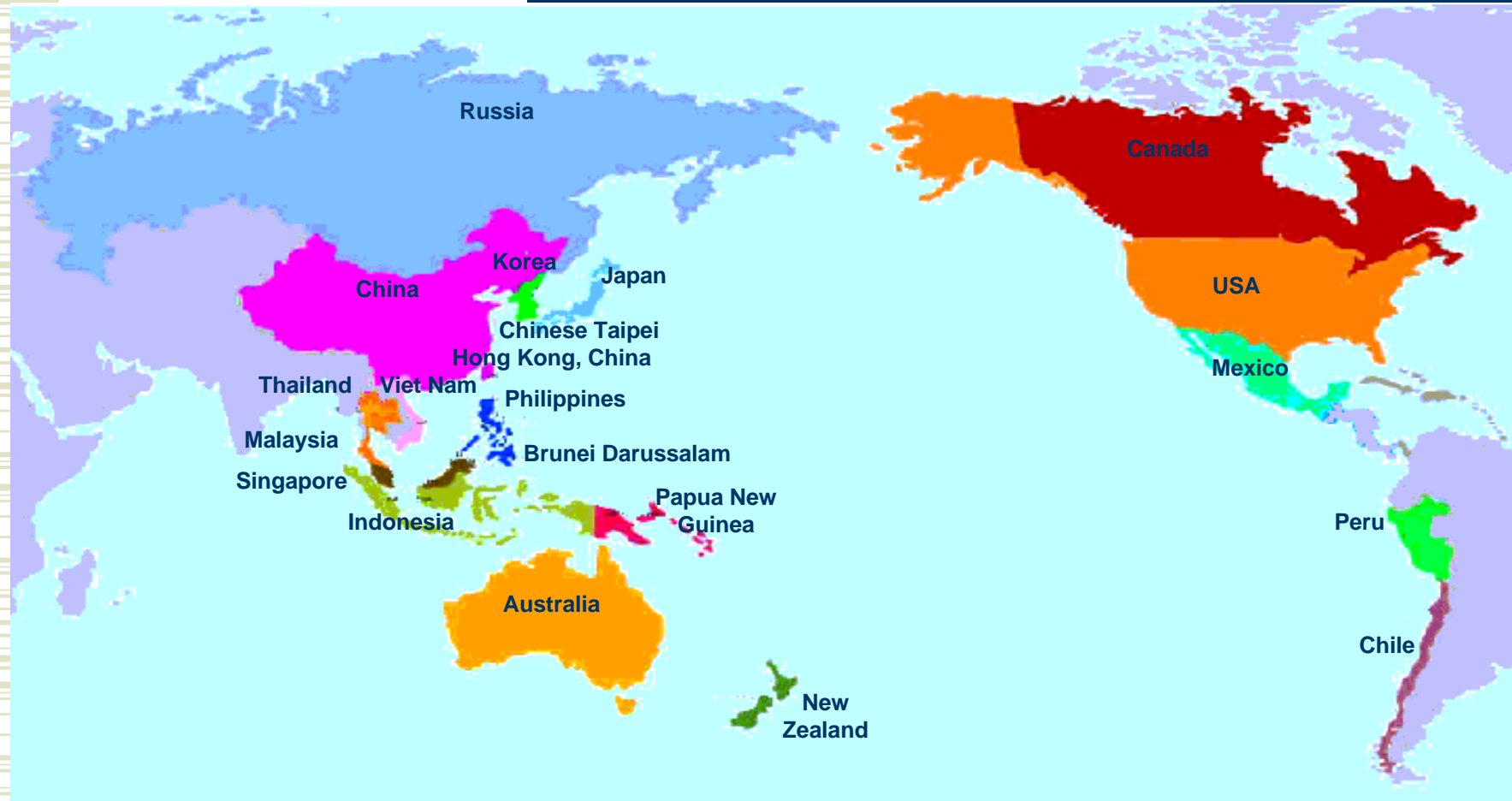


Overview



- ◆ Foundation of APERC
- ◆ Organisation, Operation and Role of APERC
- ◆ Report Publication Process
- ◆ Staff
- ◆ Budgets
- ◆ Previous Research Projects
- ◆ Research for 2003/2004
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Asia-Pacific Economic Cooperation (APEC)



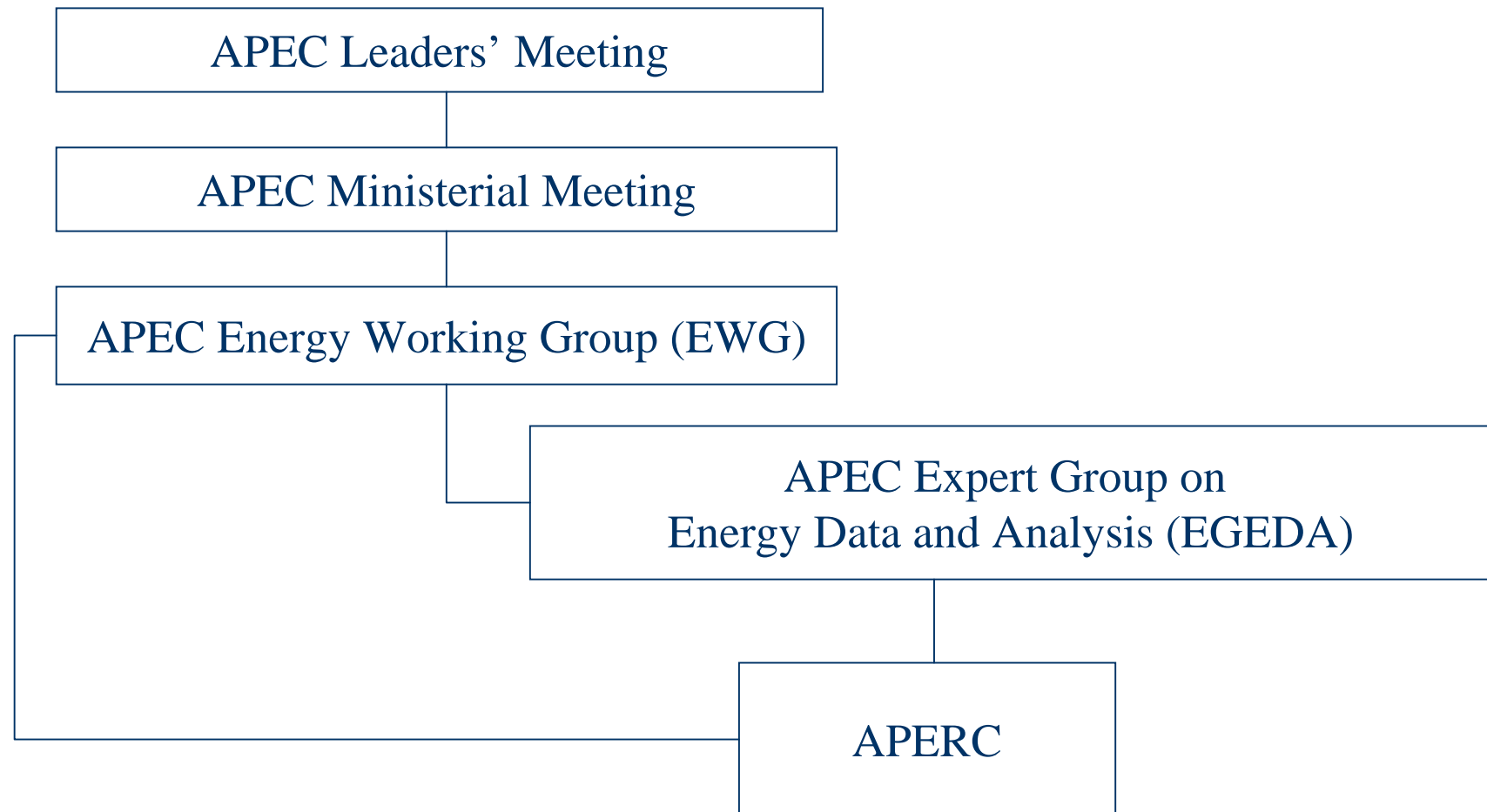


Foundation of APERC



- ◆ The Asia Pacific Energy Research Centre (APERC) was established in July 1996
 - Following the Action Agenda adopted by the Asia Pacific Economic Cooperation (APEC) Economic Leaders at the Osaka Summit Meeting in November 1995.

APERC in APEC Organisation Structure





APERC's Operation



- ◆ APERC is managed under the auspices of APEC EWG through EGEDA;
- ◆ APERC activities are fully financed by the government of Japan (METI); and
- ◆ APERC is an affiliated body to the IEEJ, which provides supervision to the APERC activities.



Role of APERC



- ◆ APERC's main objective is to **conduct energy research** in order to **foster a region-wide understanding** among APEC economies of global, regional and domestic **energy demand and supply trends** and **energy issues facing the region**.
- ◆ The research themes are categorised as follows:
 - **Regional energy demand and supply outlook**
 - **Regional energy market analysis**
 - **Energy infrastructure development**
 - **Energy policy analysis**
 - **Sustainable energy development**



Research Selection & Finalisation Process

- ◆ APERC proposes research themes to EGEDA, which provides comments for the endorsement by EWG.
- ◆ For each research theme, EGEDA creates an advisory group comprised of EGEDA members or their designates.
- ◆ The group provides APERC with technical and methodological advice, information and comments on the draft report.
- ◆ Member economies are not bound by the view expressed in the report.



Extension Activities



- ◆ Workshops, Conferences and Publications
- ◆ Know-how Transfer Programme
(International Cooperation Department,/ IEEJ)
- ◆ Energy Data Network Service (EDMC/IEEJ)

APERC Staff





Organisation and Staffing



- ◆ The goal of APERC is to bring together skilled researchers from all APEC economies to carry out cooperative research activities.
- ◆ Through a competitive process, APERC recruits researchers from multiple candidates nominated by the governments of member economies.
- ◆ APERC could contact the relevant member economies when an appropriate candidate was found.

Summary of Revenues and Expenses (million yen)

	2001	2002 Estimate	2003 Plan
Revenue from Japanese Government	634	736	734
Expenses			
- Collaborative Research Programmes	469	557	555
- Know-how Transfer Programme	60	61	60
- Energy Data Network Service	105	118	128
TOTAL	634	736	734

Previous Research Projects 1

Regional energy demand and supply outlook

- ◆ APEC Energy Demand and Supply Outlook (*1998*)
- ◆ APEC Energy Demand and Supply Outlook, Updated (*1998*)
- ◆ APEC Energy Demand and Supply Outlook (*2002*)
- ◆ Alternative Development Scenarios for Electricity and Transport (*2002*)

Regional Energy Market Analysis

- ◆ Electricity Sector Deregulation in the APEC Region (*2000*)
- ◆ Industrial Sector Natural Gas Use (*2002*)
- ◆ Gas Market Reform in APEC (*forthcoming*)

Previous Research Projects 2

Energy Infrastructure Development

- ◆ Natural Gas Infrastructure Development in Northeast Asia (2000)
- ◆ Natural Gas Infrastructure Development in Southeast Asia (2000)
- ◆ Power Interconnection in the APEC Region (2000)
- ◆ Energy Supply Infrastructure Development in the APEC Region (2001)
- ◆ Gas Storage in the APEC Region (2002)
- ◆ Energy Investment in the APEC Region (*forthcoming*)

Energy Policy Analysis

- ◆ Emergency Oil Stocks and Energy Security in the APEC Region (2000)
- ◆ Energy Efficiency Indicators for Industry in the APEC Region
- ◆ APEC Energy Pricing Practices (2000)
- ◆ Energy Efficiency Indicators (2001)
- ◆ APEC Energy Pricing Practices Natural Gas End-use Prices (2001)
- ◆ Energy Security Initiative: Emergency Oil Stocks as an Option to Respond to Oil Supply Disruptions (2002)
- ◆ Energy Security Initiative: Some aspects of oil security (*forthcoming*)



Previous Research Projects 3



Sustainable Energy Development

- ◆ Making the CDM work (*2001*)
- ◆ Sustainable Electricity Supply Options for the APEC Region (*2001*)

Energy policy development

- ◆ APEC Energy Overview (2000)
- ◆ APEC Energy Overview (2001)
- ◆ APEC Energy Overview (2002)

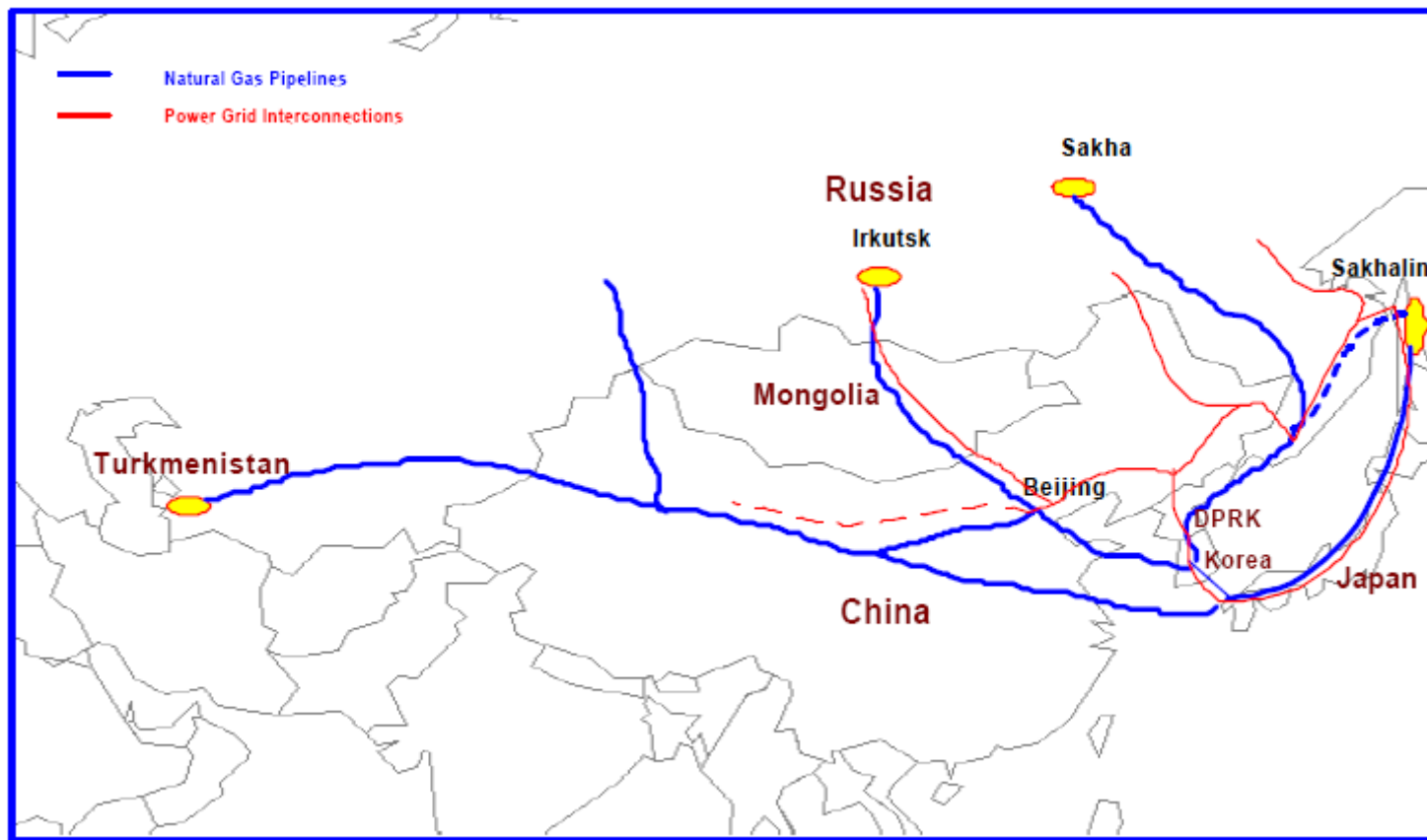


Research for 2003/04



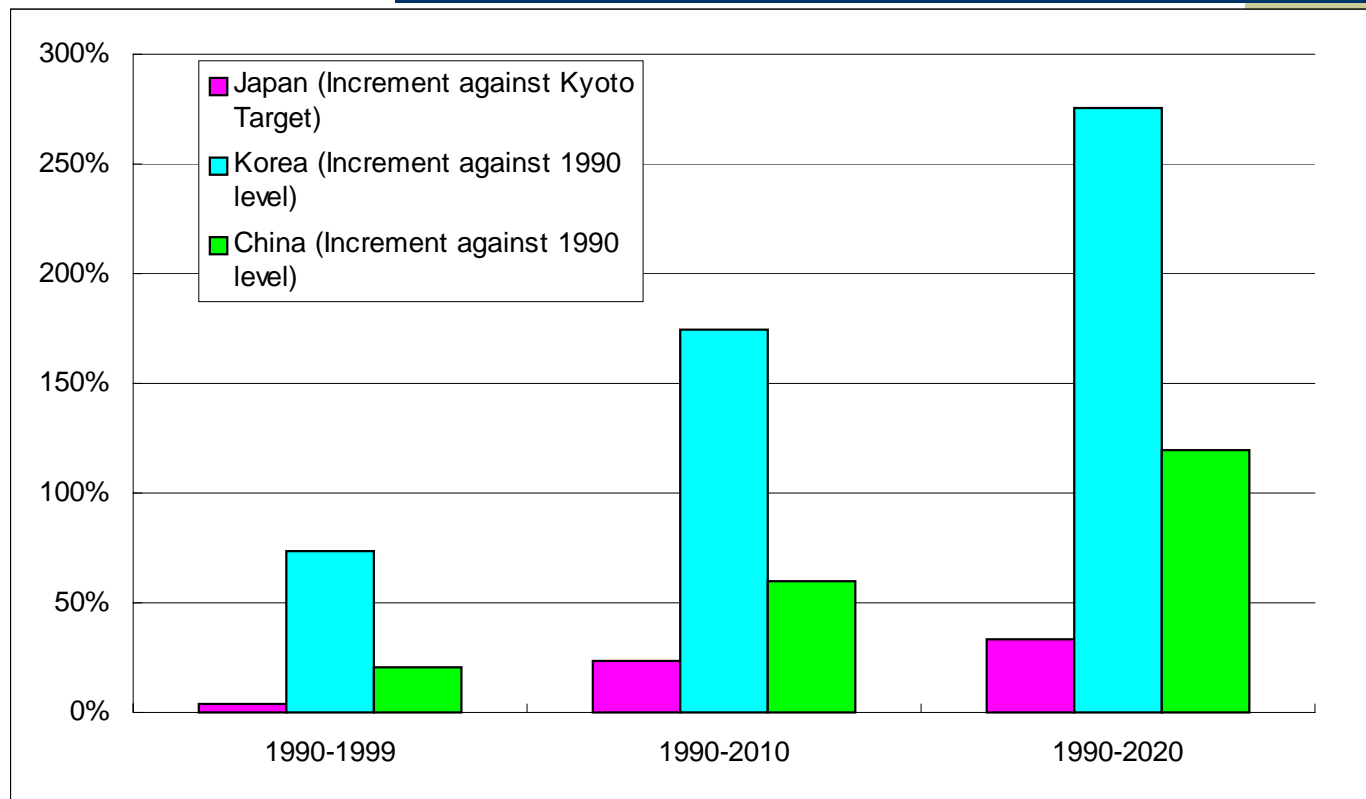
- ◆ Implications of Energy Trends in China
- ◆ Prospects for Enhanced Power Links in the APEC Region
- ◆ Nuclear Power Generation in the APEC Region
- ◆ New and Renewable Energy in the APEC Region

Gas & Power Interconnection Potential in Northeast Asia



Source: APERC, 2002, Energy Supply Infrastructure Development in the APEC Region

Growth Prospect in CO₂ Emissions. China, Japan, and Korea



(Source) APERC, 2002, APEC Energy Demand and Supply Outlook

(Note): Japanese CO₂ emissions growth are compared against the Kyoto Target. Others are compared against their respective 1990 level.



APEREC's Contribution to Member Governments



- ◆ Provision of basic database and analysis of underlying trends and future prospects of energy situation
- ◆ Provision of alternative roadmaps for sustainable development
- ◆ Training & information dissemination
- ◆ Policy recommendations for the regional cooperation
- ◆ Capacity building for personnel seconded from member governments



APERC's Role & Challenges



- ◆ APERC as Regional Public Goods
- ◆ APERC Competing with and Supplementing IEA and other research bodies
- ◆ Research Quality Resulting from Qualified Researchers and Management
- ◆ Maintenance of Research Independence and Appropriate Supervision
- ◆ Simple and Fair Accountability and Cost Sharing