



**2014 APEC Energy Ministerial Meeting (EMM 11)
in Beijing, People's Republic of China**

Asia Pacific Energy Research Centre (APEREC) Speech

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2 September 2014



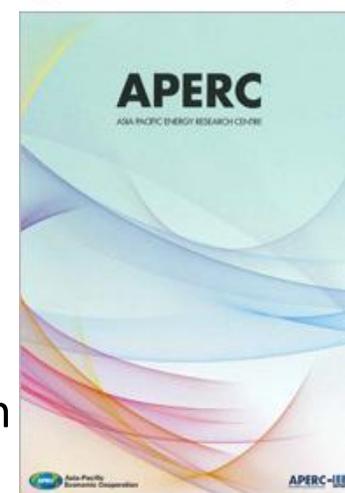
**Asia-Pacific
Economic Cooperation**

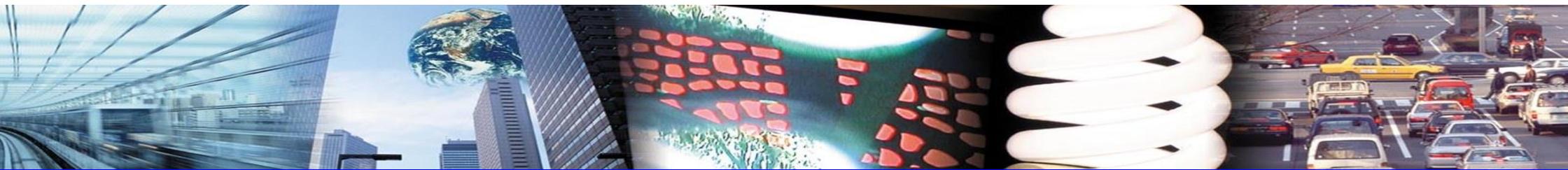


Asia Pacific Energy Research Centre (APERC)

Asia Pacific Energy Research Centre (APERC)

- ” Supports the energy activities of APEC with:
 - Research, especially analysis of energy supply and demand in the APEC Region;
 - Cooperative programs to promote energy efficiency, low-carbon energy supply and emergency preparedness for energy security.
- ” Established in 1996 and funded by the Japanese government, based in Tokyo.
- ” Currently has 20 staff members, including 10 visiting researchers from major APEC economies.

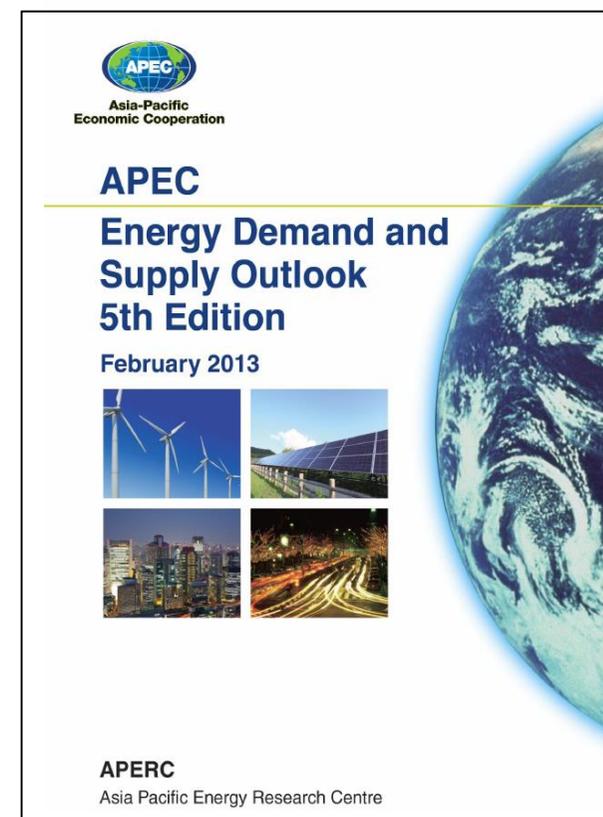


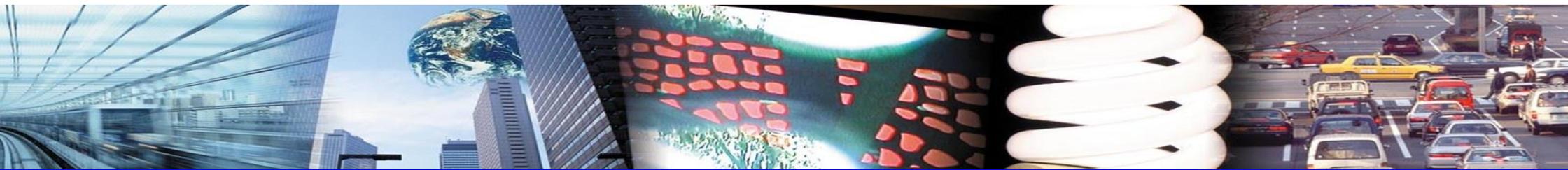


APEC Energy Demand & Supply Outlook

- ” The “*APERC Energy Demand and Supply Outlook*” is a priority task of APERC under the APEC Energy Action Programme adopted by leaders in 1995.
- ” We try to help facilitate APEC cooperation by providing:
 - Useful reference work on energy in the APEC region.
 - Useful suggestions and case studies to policymakers.
- ” **The 5th edition** of the “*APEC Energy Demand and Supply Outlook*” was published in February 2013.

(It is available on APERC website <http://aperc.ieej.or.jp/>)





APEC Energy Demand & Supply Outlook

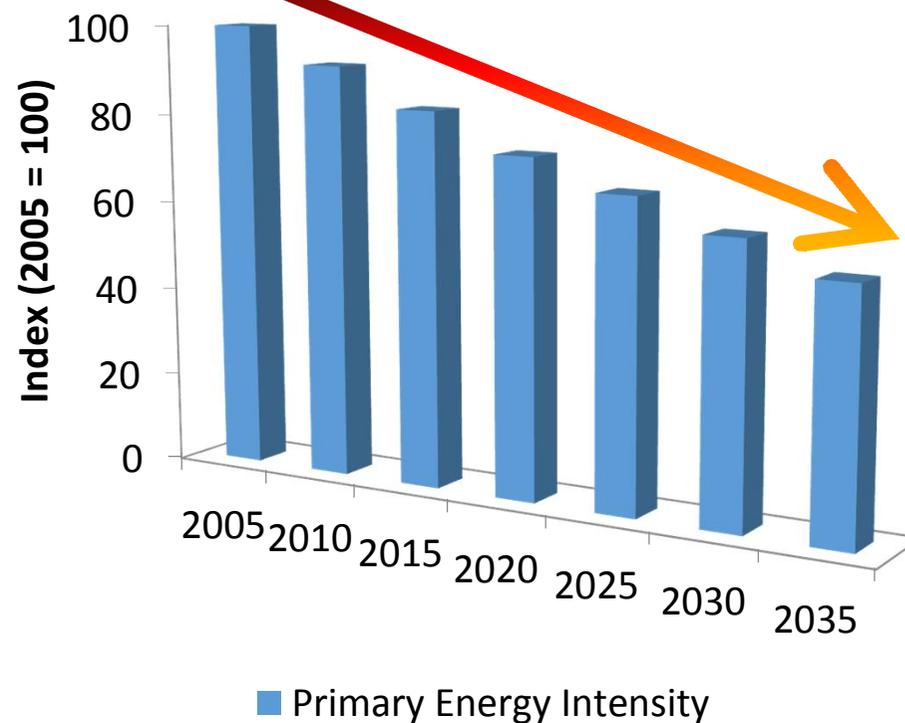
Some key points to take from the Outlook analysis are:

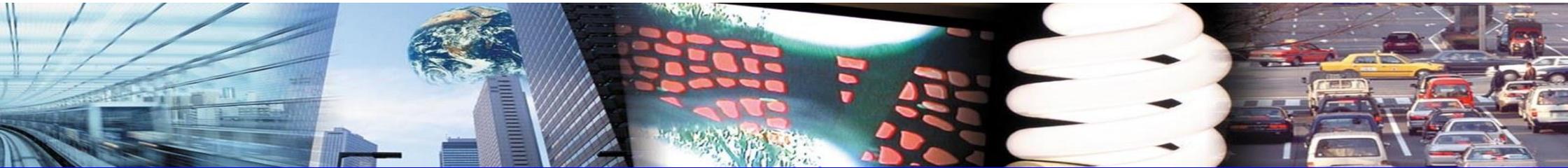
“ On the demand side, APEC will be using about 45% less primary energy per dollar of GDP by 2035 than it did in 2005.

However, there are two very serious energy challenges in this period.

- First, APEC's oil imports from outside the region will rise by 114%.
- Second, CO₂ emissions will rise by 72%.

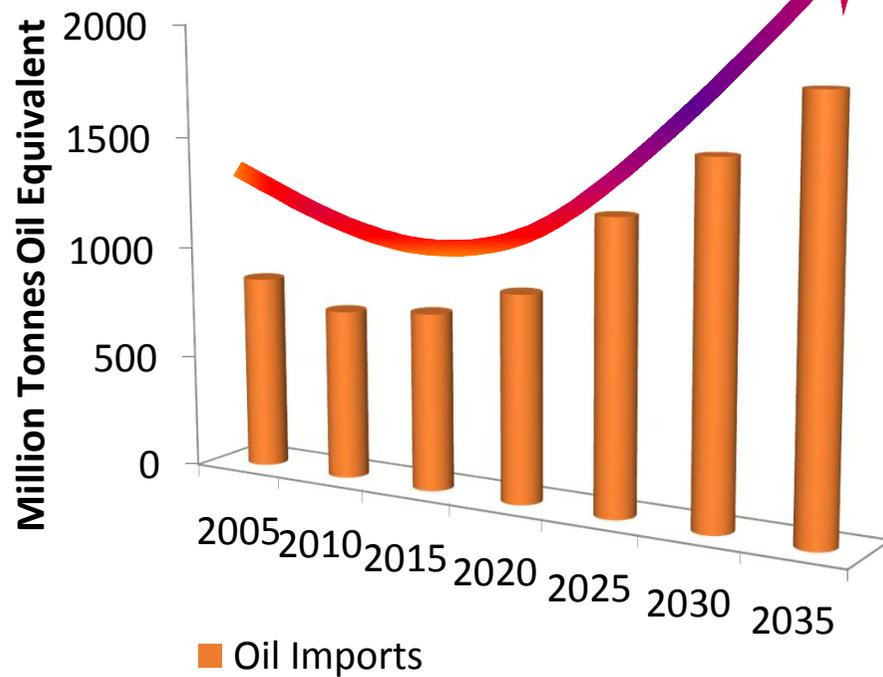
Primary Energy Intensity Down 45% 2005-2035



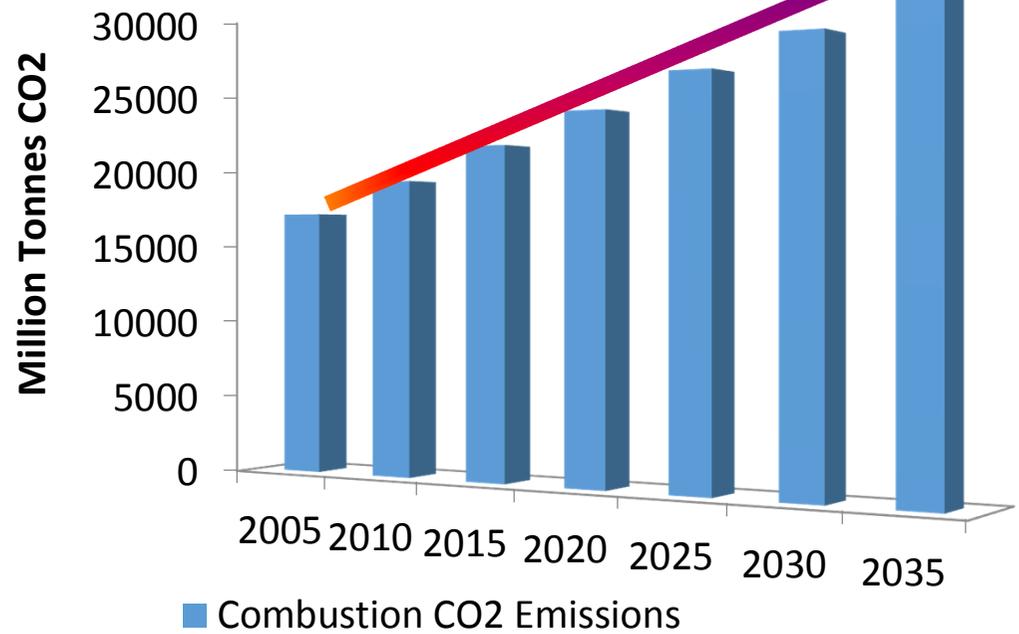


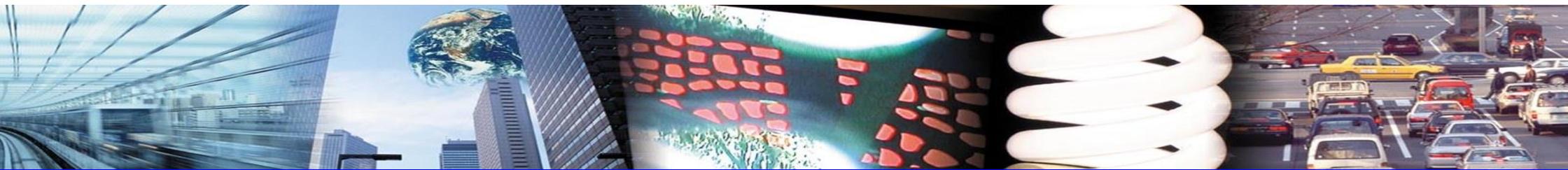
APEC Energy Demand & Supply Outlook

APEC Oil Imports Up 114%
2005-2035



APEC Emissions Up 72%
2005-2035



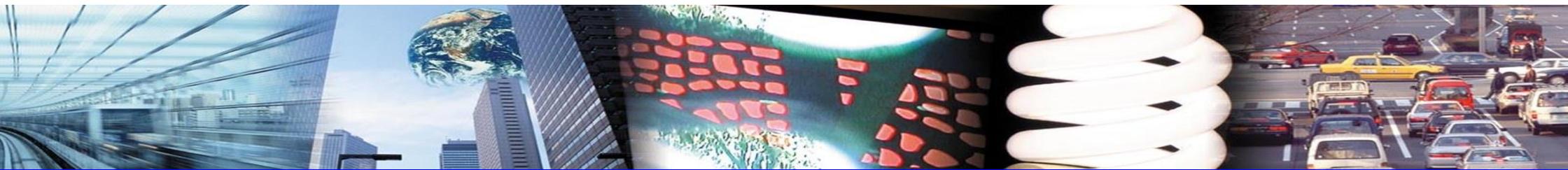


APEC Energy Demand & Supply Outlook

Drawing from the Outlook analysis, some policy suggestions were made:

- “ Maximize energy efficiency improvement.
- “ Develop regional capacity for the reform of inefficient fossil fuel subsidies.
- “ Initiate work to remove constraints on natural gas production, trade and investment.
- “ Promote the development of renewable energy sources.
- “ Promote CCS and make coal-fired power plants more efficient.





APEC Energy Demand & Supply Outlook

- “ APERC has started preparatory research activities for **the 6th edition** of *the Outlook* to be published in 2015.
- “ In addition to the model enhancements, we are investigating special topics such as:
- Shale Gas Development.
 - Geothermal Electricity Development.
 - Grid Interconnection in Northeast Asia.





APEC Cooperative Projects

Since the last EMM 10, the following APEC Cooperative Projects were undertaken:

PREE (Peer Review on Energy Efficiency)

- 10th PREE, June 2013- Brunei Darussalam.
- 2nd Follow-up PREE, September 2014 – the Philippines (in preparation).

PRLCE (Peer review on Low Carbon Energy Policies)

- 2nd PRLCE, November 2012- the Philippines.
- 3rd PRLCE, May 2013 – Indonesia.
- 4th PRLCE, December - Malaysia .

LCMT (Low Carbon Model Town Project)

- Phase 2, 2012 - Samui Island, Thailand.
- Phase 3, 2013 - Da Nang, Viet Nam.
- Phase 4, 2014 - San Borja, Peru (ongoing).





APEC Oil and Gas Security



The APEC Oil and Gas Security Exercises (OGSE) was launched in response to “The APEC Energy Ministerial Meeting Declaration” adopted in St. Petersburg, Russia (24-25 June 2012).

St Petersburg Declaration:

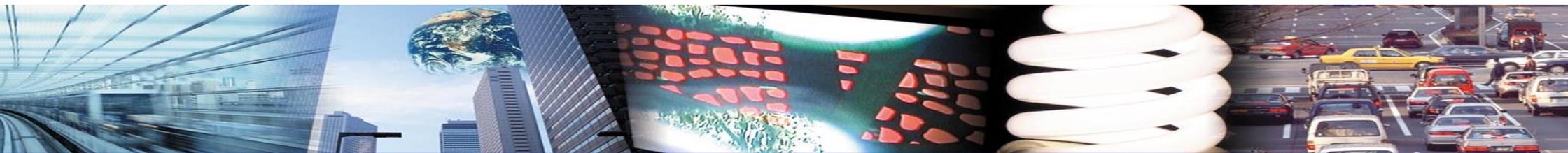
*“We encourage EWG and **APEREC** to work in collaboration with the International Energy Agency (IEA) and the Association of Southeast Asian Nations (ASEAN) on activities to improve the response to oil and gas emergency situation in the APEC region, including emergency response workshops and exercises”.*



Oil and Gas Security Forums and Exercises

- “ Two Forums were held in Tokyo by inviting delegates from APEC economies, IEA and ASEAN (ACE, ASCOPE, HAPUA, ERIA)”
 - Kick-off Forum, 18-19 April 2013; and
 - Wrap-up Forum, 25 March 2014.
- “ Two Exercises were undertaken:
 - The Joint Southeast Asian Exercise, September 2013, Bangkok Thailand; and
 - Indonesian Exercise, October 2014, Jakarta

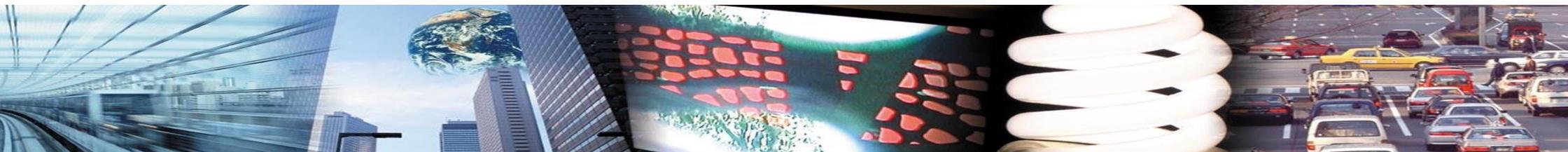




APEC Oil and Gas Security – Future Activities

- ” Based on the lessons learnt from the forums and exercises, APERC is now proposing **Oil and Gas Security Initiative (OGSI)**. This future activity will pursue energy security in the APEC region.
- ” OGSI consists of three overarching activities:
- Oil and Gas Security **Exercise (OGSE)**
 - Exercises on a voluntary basis.
 - Exercise Model Procedure (EMP).
 - Oil and Gas Security **Network (OGSN)**
 - Newsletter & Forums.
 - Oil and Gas Security **Studies (OGSS)** ;
 - Oil and gas security analysis.





Thank you for your kind attention.

<http://aperc.ieej.or.jp>