

	<h2>Press Release</h2>	<b>Release Date</b>	03/03/2009 3 pages
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<h3>APEC Climate Center hosts an international workshop on climate information and prediction of electricity demand</h3>			

BUSAN – On March 4, 2010, leading climate scientists will gather at the APEC Climate Center building to talk about challenges and new techniques in using climate information in the field of electric energy efficiency. These initiatives support a low carbon society and green growth.

As temperatures become more and more variable due to climate change, electric companies and service providers need more accurate forecasts in order to estimate and meet energy demands from consumers. Sudden drops or increases in temperature create demand shocks and put pressure on energy resources. Hence, a system of accurate climate prediction is required to enable electricity providers to fuel the development needs of economies.

Discussions on the challenges and new techniques in harnessing climate information for the prediction of electricity demand on the short and long term scales will transpire from 2:00 to 6:00 in the afternoon.

A keynote lecture by Prof. Joon-Mo Yang of Yonsei University on the challenges for electricity demand forecasting in a changing climate will set the tone and framework for discussions. Dr. Chae-Soo Park of Korea Power Exchange will present a study on the application of temperature effect to forecasting electricity demand. The program will also feature a presentation of the outputs of an ongoing project between APEC Climate Center (APCC) and Central Research Institute of Electric Power Industry (CRIEPI) that commenced in 2008. Dr. Daisuke Nohara of CRIEPI will talk about the application of seasonal forecasts for electric companies. Mr. Sudir S. Sabade of APCC will discuss the status and challenges of application of downscaling seasonal forecasts to predict electricity demand.

APCC is the primary climate prediction and application research facility in the APEC region. Among its goals is to produce reliable and timely climate information. It hopes to make contributions to both public and private sectors by making high-cost climate information accessible and useful in the sectors of energy management, food security, health, disaster preparedness, biodiversity, tourism, and water supply among others.

The workshop is open to researchers, university students, government officials, experts from electric companies, and other guests.

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Note to journalists: For information about covering the event, please contact Ms. Soo Yang Joo, APCC International Cooperation Specialist at + (82)-51-745-3900 or at email [syjo0@apcc21.net](mailto:syjo0@apcc21.net).

### **Executive Summary of APCC Progress Report (2005-2009)**

This report features the APEC Climate Center's (APCC) activities and accomplishments four years into its establishment. The APCC evolved from the APEC Climate Network (APCN), which was proposed at the 3<sup>rd</sup> Asia Pacific Economic Cooperation (APEC) Science and Technology Ministers' Meeting in 1998 as an institutional mechanism for exchanging climate information in the Asia-Pacific region. Recognizing the need to institutionalize this mechanism, the APCC was established at the 13th APEC Economic Leaders' Meeting in Busan, Korea in 2005.

APCC aims to contribute to the APEC vision of achieving regional prosperity and enhancing human security through the provision of reliable climate information services. Reliable climate prediction can improve the performance of various sectors including agriculture, water resources, energy, and health. Its application can facilitate improvement of systems and infrastructures for disaster risk management and social security, energy and food security, and marine and coastal conservation, adaptation and mitigation of climate variability and change.

The key APCC products and services are as follows:

- Seasonal and extended range forecast products to all member economies through a multi-climate model ensemble system
- Various climate data and services for adaptation to climate variability and change

- Regional downscaling tool
- Training programs on climate prediction and applications

As a response to the demand expressed by member economies, research and development efforts are being intensified at APCC towards providing services and tools for extreme hydrological events prediction and monitoring, climate change projections, and extending the lead time of seasonal forecast products in order to provide a seamless climate ensemble prediction systems to enable users to act upon climate information for their own decision making contexts or to conduct further information processing for more specific application areas.

While we are continuing our efforts to improve our climate information, prediction monitoring, and data services, we are also advancing our efforts towards meeting the information requirements for climate change impacts assessment and adaptation planning. We are also now moving towards deeper and more systematic engagement with our users with the hope that this will allow us to gain a better understanding of needs of the various sectors across Asia-Pacific region and guide us in developing climate-information based products and tools that are relevant for decision making and planning for adaptation and mitigation of climate variability and change.

### **About the APEC Climate Center**

The APEC Climate Center (APCC) aims at realizing the APEC vision of regional prosperity through providing climate information service and technical support for better sectoral planning and reduction of economic losses due to adverse climatic conditions. APCC produces real-time operational climate prediction information based on a well-validated multimodel ensemble system with contributions from over 16 institutes in the APEC region. APCC contributes to enhancing capacity-building in the prediction and monitoring of weather and climate in the Asia-Pacific region by making available high-cost climate data and information. Countries without the capacity to produce climate predictions are able to access optimized, high-cost global climate predictions produced by APCC. For more information about APCC, please visit [www.apcc21.net](http://www.apcc21.net).