

APEC CLIMATE CENTER Has Been Contributing to Sustainable Human Life

Climate is a crucial component of human life. Humans have developed civilizations throughout history. Different climates in different parts of the world allow cultural diversity. Climate still has huge impact on our lives. Food, clothing, and shelter have changed according to climate and human beings are occasionally threatened by extreme climate events. Climate change is affecting all life on Earth. That is why we should pay attention to climate change.

APCC has conducted research in building a climate forecast system and its applications in climate change. As its state of the art technology provides reliable climate information, APCC has become a hub for climate information in the Asia-Pacific and a world-renowned authority on climate as well. By delivering accurate and reliable climate information, APCC aims to achieve a promising future for both mankind and Earth.

Reliable APCC Climate Forecasting Information

The APEC Climate Center (APCC) produces and provides accurate and reliable climate forecasting information based on analysis using a Multi-Model Ensemble (MME) scheme. For the MME system, APCC collects climate prediction data from the 15 leading climate forecasting centers and institutes in 11 economies.



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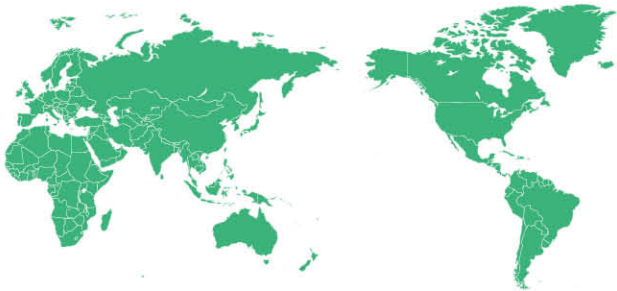
APEC CLIMATE CENTER

Asia-Pacific Hub of Climate Prediction Technology & Information

The APEC Climate Center (APCC) was established by the endorsement of 21 APEC members in 2005 to provide customized climate information for member economies in the region. APCC enhances the socio-economic well-being of member economies by utilizing up-to-date scientific knowledge and applying innovative climate prediction techniques.

Building Global Competitiveness in Climate Science and Technology

APCC produces global climate information by using state-of-the-art predictive techniques. APCC has endeavored to offer accurate and reliable information for effective response to climate change. APCC will make and deliver credible sources for climate actions going forward.



Strengthening its Role by Global Cooperation

Producing high-quality climate information requires a lot of efforts. By virtue of technical cooperation and exchanges with many global climate institutions, APCC has steadily improved its quality of climate forecasting system. APCC will make a commitment to help the Asia-Pacific economies to achieve their potential by sharing climate information.

APEC Climate Symposium

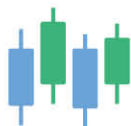
APCC has annually held the APEC Climate Symposium to enhance APEC member economies' capacity to address extreme climate change in the Asia-Pacific region and to promote the international climate science network. This symposium is a professional conference that includes in-depth discussions on climate issues, sharing new studies on climate change, and the presentation of various scientific and technical developments.



Responding to Global Climate Crisis through International Cooperation Project

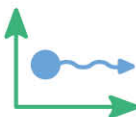
APCC is cooperating with international organizations to carry out various activities necessary to respond to climate change based on its expertise in climate prediction and information services. APCC developed a Fire and Haze Early Warning System (FHEWS) with Southeast Asian countries, published an Interdisciplinary El Niño report with the United Nations Development Program (UNDP) and developed a customized climate information utilization service for Pacific Island Countries (PICs) through the Green Climate Fund (GCF). In the future, APCC intends to expand projects to improve climate prediction capabilities and strengthen resilience to climate change in countries at the forefront of climate change, such as PICs.

APEC Climate Center Information Services



Seasonal Forecast

APCC provides high quality 6-month climate outlooks, updated monthly, for APEC member economies and climate related agencies around the world.



Subseasonal to Seasonal Forecast

APCC offers vital climate information to predict and prepare for extreme weather phenomena such as heat waves, drought and floods as well as dry and rainy seasons in Asia.

※ Boreal Summer Intraseasonal Oscillation (BSISO) Forecast

Forecast on one of the most prominent sources of short-term climate variability in the global monsoon system.



Climate Monitoring

APCC presents information on major climate variables and climate indices that can greatly affect people's daily lives on a weekly, monthly, and seasonal basis.



CLIK (Climate Information toolKit)

It provides an integrated platform that enables users to produce, process, and download APCC climate data through a single web interface by utilizing the latest cloud technology.

※ Services

- Customized seasonal forecast and verification information
- Extraction of climate data
- Production of downscaled prediction information
- Easy download of climate data
- Production of statistical downscaling and evaluation information about seasonal forecast/climate scenarios
- Provision of open application programming interface



APCC Fire and Haze Early Warning System

APCC presents information on forest fire danger ratings in Southeast Asia (Indonesia, Malaysia) to prevent damage caused by fire and haze.