



**Asia-Pacific
Economic Cooperation**

2012/ISTWG43/007


Agenda Item: Sub Group D 2.1

Harnessing and Using Climate Information for Decision Making

Purpose: Information
Submitted by: Korea



**43rd Industrial Science and Technology
Working Group Meeting
Taipei, Chinese Taipei
22-23 August 2012**




APEC Climate Center

Harnessing and Using Climate Information For Decision Making


43rd Industrial Science and Technology Working Group Meeting
Taipei, Taiwan
21-23 August, 2012

APCC APEC CLIMATE CENTER

About the APEC Climate Center



- The APEC Climate Center (APCC) is a leading climate information service provider in the Asia-Pacific region. We provide seasonal climate forecasts and other climate information products and services, conduct research and development activities, and organize capacity building initiatives for scientists from developing economies in the region
- We engage with scientists and organizations throughout the APEC region to advance scientific research on climate variability and change
- Our research team receives valuable feedback from the Executive Council, Science Advisory Committee, and the Working Group. The WG is composed of representatives from 20 out of 21 APEC economies





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About the APEC Climate Center

Climate Science: APCC provides monthly seasonal outlooks, climate monitoring and prediction products, and online tools and data services
Products: seasonal temperature and precipitation outlook, drought and flood monitoring, 6-month lead coupled MME outlook (ENSO, SST, IOD)

Capacity Building: APCC engages in various capacity building and training exercises, especially targeting developing economies. These programs include the Young Scientists Support Program and Climate Prediction Training Program

Societal Applications: APCC strives to respond to societal needs and is beginning to create specialized forums and information products for stakeholders in sectors such as Agriculture, Water Resources Management, and Energy



APEC Project IST 01/2012A

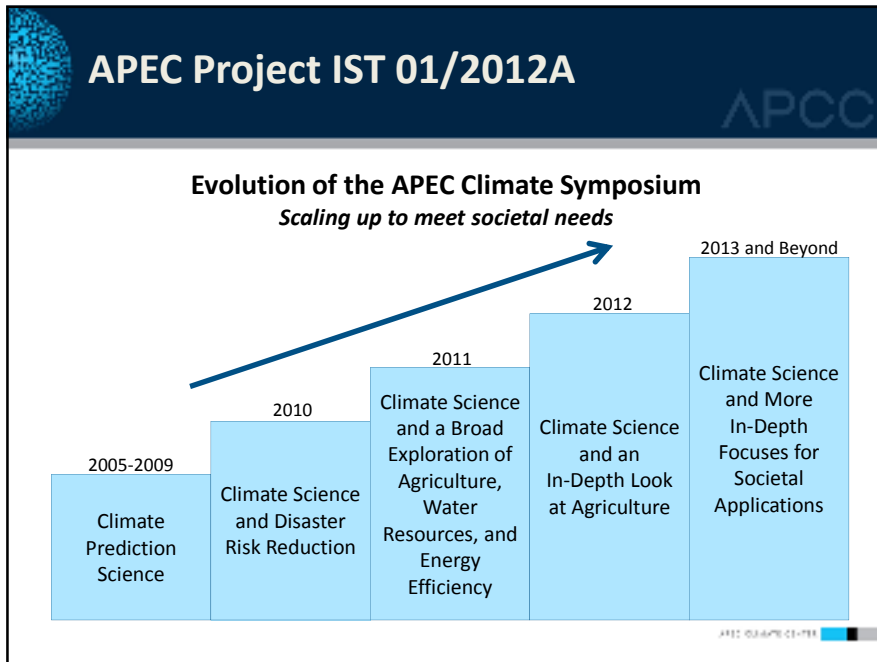
APEC Climate Symposium 2012
Harnessing and Using Climate Information for Decision-Making in Agriculture, Water Resource Management and Energy Efficiency



Location: St. Petersburg, Russia
Date: October 8-11, 2012

- Continuation of last year's symposium theme with a more in-depth exploration on applying climate information to the agriculture sector
- We will draw upon our scientific expertise and our experience with capacity building activities to hold a productive and meaningful event






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Climate and Agriculture



- Agriculture is the largest source of income and employment for poor rural households in the APEC region
- A more resilient agricultural sector contributes to food security, poverty alleviation, and economic development
- Participants in APCS 2011 identified agriculture as a sector that warranted a more focused investigation

- Integrating seasonal climate forecasts into current agricultural production builds resilience and is a cornerstone for adapting to future climate change

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Session Themes

Session I

Bridging the information gap between climate information producers and users, especially in the field of agriculture

Session II – Case Studies

- Opportunities and constraints for climate information producers to generate tailored climate information for end-users (Information provider perspective)
- Opportunities and constraints for climate information users to utilize climate information (User perspective)

Session III

Updates on state-of-the-art techniques for providing reliable climate information at useful time scales

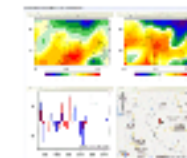
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Capacity-Building Tutorial Session

Participants from developing economies will receive invaluable training on how to use the Climate Information Toolkit (CLIK), an innovative, web-based tool created by APCC that allows users to create customized Multi-Model Ensemble (MME) schemes and use statistical downscaling to tailor the predictions to their local geographic region



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Stakeholders and International Engagement

- The Symposium will feature presentations from representatives of international agricultural research organizations, such as the UN Food and Agriculture Organization, the International Food Policy Research Institute, and the APEC High-Level Policy Dialogue on Agricultural Biotechnology
- Representatives from National Meteorological and Hydrological Services from each APEC economy have been invited
- We have worked with relevant regional organizations such as the ASEAN Science and Technology Division, the Asia-Pacific Network for Global Change, and the Southeast Asia Change Community of Practice to advertise the event and solicit abstract submissions



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Program Participants

- The project will strengthen and enlarge the network of climate scientists, academics, agricultural agencies, the private sector and other stakeholders in the APEC region and will support international cooperation in climate prediction and forecast applications
- The event offers a unique opportunity for decision-makers from the agriculture sector to interface with climate scientists and communicate their forecast needs




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Call for Papers

- The Call for Papers closed on August 10. We received 60 abstracts from 16 countries, many of them from developing economies.
- The Organizing Committee is conducting the Abstract Evaluation and we will notify selected authors by the end of August. A select number of abstracts will be developed into 20 minute presentations. Other qualified authors will be selected to receive full funding to attend the Symposium as participants



Abstracts were accepted on the following topics:

- Case studies on practical application of climate information to agriculture and society
- Communication channels and information dissemination from information producers to end-users
- Assessment of the accuracy and reliability of seasonal climate forecasts
- Long-term climate variability and change impacts on agriculture and food security
- Using climate information for agricultural modeling


APEC (01/APEC-01-12A)

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Expected Outcomes

- Increased ability of member economies to anticipate and adapt to climate variability and change and build resilient agricultural systems
- Bridging knowledge and technical capacity gaps
- Sharing of best practices in climate information delivery among economies
- Forging stronger linkages between producers and users of climate information at the local and regional levels

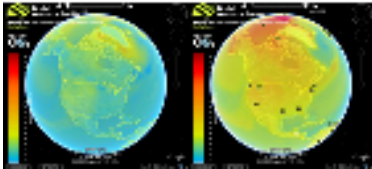


APEC (01/APEC-01-12A)

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Climate Change & ISTWG

- Climate change is a cross-cutting issue that affects nearly all economic sectors and impacts regional economic development and growth
- Innovative technological solutions will be critical to adapt to changing global conditions
- Robust scientific research lays the foundation for successful climate change mitigation and adaptation projects



- Call for greater coordination and harmonization between climate-related projects in ISTWG and other APEC fora
- APCC has a proven track-record of conducting successful projects and events with meaningful outcomes

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THANK YOU!

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