Introduction to the APEC Climate Center (APCC)

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Dr. WonMoo Kim
Research Fellow
Climate Research Department

Ms. Bo Ra Kim
International Project Manager
External Affairs Department
Lessons learned yesterday

“information was available” but “not utilized”

translation/customization

“$$\$\$$” – timely allocation of resources

preventative action utilizing prediction information
APEC Climate Center (APCC)

Mission

Use climate science and its applications to contribute to safer, more prosperous, and more resilient communities through:

- Climate Prediction
- Climate Information Services
- Interdisciplinary Research
- International Cooperation
APCC Activities

APCC produces value-added, reliable, and real-time climate prediction information for the Asia-Pacific

- 3 & 6-month Seasonal MME Outlook
- Drought and flood monitoring
- ENSO forecast
- Sub-seasonal (intra-seasonal) forecast
- Downscaled climate change scenarios
APCC Activities

- Climate Prediction
- Climate Information Services
- Interdisciplinary Research
- International Cooperation

Organizations and Institutes:
- National Aeronautics and Space Administration (NASA)
- National Centers for Environmental Prediction (NCEP)
- International Research Institute for Climate and Society (IRI)
- Center for Ocean-Land-Atmosphere Studies (COLA)
- Hydrometeorological Centre of Russia
- Voelkov Main Geophysical Observatory
- Australian Government Bureau of Meteorology
- Meteorological Service of Canada
- Meteorological and Hydrological Weather Service of Peru
- Beijing Climate Center/CMA
- Institute of Atmospheric Physics
- Central Weather Bureau
- Japan Meteorological Agency
- Seoul National University
- Pusan National University
- National Institute of Meteorological Research
- Korea Meteorological Administration
Climate database center
- climate data, information products, and related tools

- Website: www.apcc21.org
- Forecasts & Seasonal Outlook
- Climate Monitoring
- Climate Information ToolKit (CLIK – clik.apcc21.org)
- APCC Data Service System (ADSS – cis.apcc21.org)
APCC Activities

Tailored, customized “information” for **YOU** - interdisciplinary research and application techniques

- APCC responds to societal needs
- Now creating specialized forums and information products for stakeholders in various sectors
- **Agriculture**, **Disaster Management**, **Health**, and **Water Resources Management**
• ASEAN Science-Based Disaster Management Platform Project
APCC Activities

- Climate Prediction
- Climate Information Services
- Interdisciplinary Research
- International Cooperation

• ROK-Pacific Islands Climate Prediction Services (ROK-PI CLIPS)
APCC Activities

APCC engages in various capacity building and training exercises, especially targeting participants from developing countries

→ Build skills of participants
→ Better equipped to produce and access the highest quality information
→ Improved risk management and strategic planning
→ Enhanced national capacity

• Young Scientist Support Program
• Various training programs on climate science
• Collaborative workshops linking policy and science
Lessons learned yesterday

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THANK YOU

Bo Ra Kim, External Affairs Department
T: +82-51-745-3923 E: bkim@apcc21.org W: www.apcc21.org

WonMoo Kim, Climate Research Department
T: +82-51-745-3996 E: WonMoo.Kim@apcc21.org
APCC hosts a key climate database center to distribute climate data, information products, and related tools.

- Climate Information ToolKit (CLIK)
- Website: http://clik.apcc21.org/
APCC hosts a key climate database center to distribute climate data, information products, and related tools.

APCC Activities

- **APCC Data Service System (ADSS)**
APCC Activities

Climate Prediction | Climate Information Services | Interdisciplinary Research | International Cooperation

Distribute specialized data depending on industry needs and user profile (Project based)

Climate Prediction

Agriculture

Health

Industry
APCC Activities

APCC spearheads interdisciplinary research and application techniques in the climate-environment-society nexus

- APCC responds to societal needs
- Now creating specialized forums and information products for stakeholders in various sectors
- **Agriculture, Disaster Management, Health, and Water Resources Management**
• The Philippines: Bicol Rice-Disease Project
APCC Activities

APCC helps build regional capacity in climate science and provides opportunities for international cooperation

Projects
• ASEAN Science-Based Disaster Management Platform
• ROK-PI CLIPS

Capacity building
• Young Scientist Support Program
• Specialized training programs

International Events
• APEC Climate Symposium
• Conferences and workshops
APCC continues to expand its project portfolio as well as regions supported
APCC Activities

- Climate Prediction
- Climate Information Services
- Interdisciplinary Research
- International Cooperation

• ASEAN Science-Based Disaster Management Platform Project
• ROK-Pacific Islands Climate Prediction Services (ROK-PI CLIPS)
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APCC Activities

APEC Climate Symposium
- Generally links science and technology with policy
- Peru 2016: Climate science and food security

Conferences
- We host and co-host various events to increase regional collaboration
- Large overlap or synergies with the international projects
Structure of the APEC Climate Center

- Board of Trustees
- Director
- External Affairs Department (8)
  - Climate Prediction Team (14)
- Climate Research Department (56)
  - Climate Analysis Team (15)
- Climate Policy Department (4)
  - Climate Change Research Team (18)
- Administration Department (7)
  - Climate Informatics & Application Team (7)
THANK YOU

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