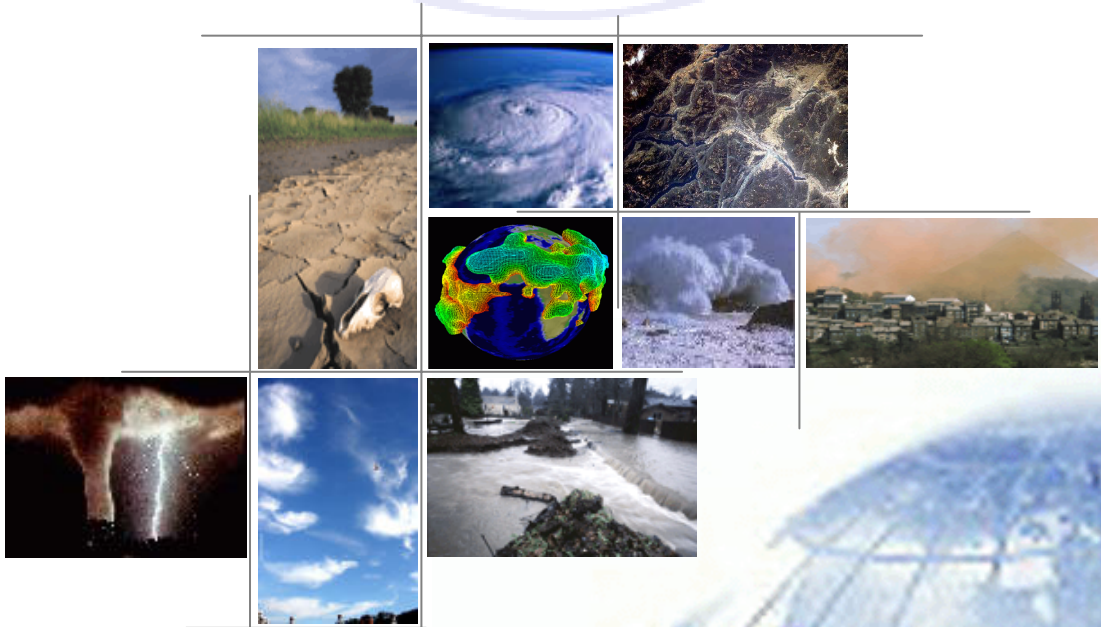


The Third Announcement

APCN SYMPOSIUM

on the Multi-Model Ensemble for Climate Prediction

**Second APCN Steering Committee Meeting and
Third APCN Working Group Meeting**



**Jeju Island
Republic of Korea
7-10 October 2003**



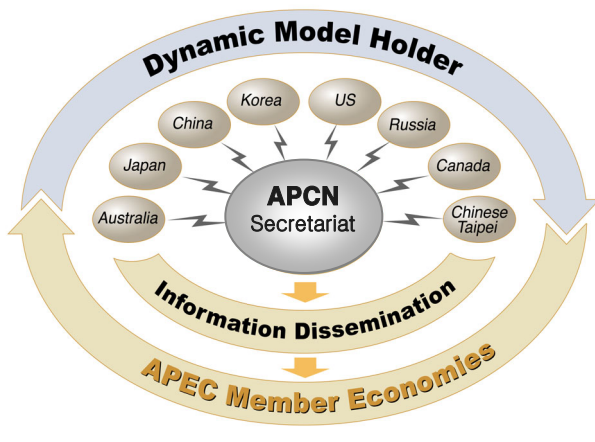
APEC Climate Network

Introduction

The **APEC Climate Network (APCN)** project is for the real-time exchange of climate prediction information among the APEC Member Economies in order to mitigate the impacts of natural disasters and benefit industries and socio-economic activities in the Asia-Pacific region.

The **objective of the Symposium** is to derive suggestions for the future direction of research and development for better SI forecasts, underscoring the limitations of the current state-of-the-art climate dynamic prediction system.

Along with the Symposium, our needs and roles for Climate Prediction for the APCN Guideline will be discussed in the **Second Steering Committee Meeting and the Third Working Group Meeting**.



Venue

The APCN Symposium on the Multi-Model Ensemble for Climate Prediction will be held at the Seogwipo KAL Hotel, Seogwipo city, Jeju, Korea from 7 to 10 October 2003. The Symposium, co-sponsored by Korea Meteorological Administration (KMA) and World Meteorological Organization (WMO), will be jointly held with the Second APCN Steering Committee Meeting and the Third APCN Working Group Meeting. The opening ceremony will take place at 09:00 a.m. on Tuesday, 7 October 2003.

Registration will take place at the Registration Desk, located outside the meeting room, starting from 08h30, 7 October 2003. Participants will receive identification cards at the time of registration. The Registration fee is KRW200,000 (KRW140,000 for students) covering the participating in both reception (KRW50,000; KRW35,000 for students) and banquet (KRW50,000; KRW35,000 for students).

The Information Desk will be established close to the meeting room and will be responsible for the provision of general information related to the meeting and at the request of participants.



For more information

http://www.provin.jeju.kr/jeju_f
<http://www.koreainfogate.com>

Accommodation

■ Hotel Accommodation

A single room rate of the Seogwipo KAL Hotel is KRW119,000 (approximately USD110) for one night inclusive of the tax.

- **The hotel mailing address is:**
486-3, Topyung-dong, Seogwipo city, Jeju-do, 697-817, Korea.
- **Participants can be reached at:**
(82 64) 733 2001 (tel) or (82 64) 733 9337 (fax).
- **Internet Homepage is: www.kalhotel.co.kr**

An overseas call in Korea needs to dial 002, first, and then the country and local codes

■ Currency

Local currency is the Won (KRW: Korean WON). Coins come in KRW100 and KRW500, and notes in KRW1,000, KRW5,000 and KRW10,000.



Transportation

■ From INCHEON International Airport (ICN) to GIMPO Airport (GMP)

Participants take the airport limousine bus to move to GMP. A trip takes about 35 minutes. The tickets cost KRW6,000 and are sold at the Transportation Information Counter (near the exit No. 2, 4, 9, 13) on the arrival floor (1st floor) of passenger terminal.

The non-stop airport limousine bus to GMP departs every 5 to 10 min. at bus stops of **'3B'** and **'10B'** (05h20 to 21h30) and **'4A'** and **'11A'** (05h00 to 20h30).

■ From Jeju International Airport (CJU) to Seogwipo KAL Hotel

You take the KAL limousine bus (Bus number: 600. Bus fare: KRW4,700) from CJU to the Seogwipo KAL Hotel. The bus to the hotel departs every 15 min from 06h20 to 22h00 and a trip takes about 80 minutes.

Technical Tour

Technical tour is reserved on Friday, 10 October. You will experience the most beautiful natural scenery and traditional culture around Jeju Island.

■ Tour

Jeju's natural environment has been preserved as best as possible. Fantastically shaped rocks decorating the seashore, hundreds of Oreums (secondary volcanos) and the rarest species of flora around Baekrokdam Lake are all treasures waiting to be discovered by visitors.

■ Golf

With beautiful scenery and well-organized golf courses, Jeju is naturally one of the most beautiful places in the world for golf lovers.

You can join the golf tour at your own expense (around USD 150 including rental fee). If you are interested, please let us know by 30 September.



Extended Abstracts

The participants are kindly requested to submit their extended abstracts to the APCN Secretariat by E-mail (apcn21@kma.go.kr), before 30 September 2003. It is recommended that the extended abstracts be edited on the following: less than 10 pages; A4 size; Times New Roman; left margin (1.5 inches) and right, top, and bottom margins (1 inch); and title (20 pt); author(s), affiliation and E-mail address (14 pt); and text (11 pt).

Information services

Further information on local arrangements can be obtained from the APCN Secretariat at the following address:

<http://www.apcn21.net>

APCN Secretariat

Korea Meteorological Administration
460-18 Sindaebang-dong, Dongjak-gu
Seoul 156-720, Republic of Korea
Tel: 82-2-836-6754 Fax: 82-2-832-6018
Email: apcn21@kma.go.kr

Provisional Program

Tuesday, 7 October

08:30-09:00 Registration

Opening

Chair: Y.A. Chung

09:00-09:10 Welcoming Address

Myung-Hwan Ahn, Administrator of KMA, Korea

09:10-09:20 Keynote Address

Takeo Kitade, Director-General of JMA, Japan

09:20-09:30 Keynote Address

Chow Kok Kee, Director-General of MMS, Malaysia

09:30-10:00 Keynote Lecture

WMO activities in climate and environment

Kenneth Davidson, Director of WCP, WMO

10:00-10:10 *coffee break*

Chair: I.S. Kang

10:10-10:40 Keynote Lecture

Predictability of seasonal means from multiple models and observations

Jagadish Shukla, COLA, USA

10:40-11:10 Keynote Lecture

NOAA intra-seasonal to interannual prediction (ISIP) program

Ming Ji, NOAA, USA

11:10-11:40 Keynote Lecture

Advanced network for climate information exchange

K.N. Chon, KAIST, Korea

11:40-12:00 APCN Status

C.K. Park, KMA, Korea

12:00-12:10 Group Photo

12:10-13:30 Lunch

APCN Symposium

SESSION I. Multi-Model Ensemble: Lessons Learned

Chair: Yihui Ding

- 13:30-14:00 **Seasonal predictability of SMIP and SMP/HFP**
I.S. Kang, SNU, Korea
- 14:00-14:20 **DEMETER: An end-to-end multi-model ensemble system for seasonal to interannual prediction**
Francisco Doblas-Reyes, ECMWF
- 14:20-14:40 **A comparison of multi-model ensemble techniques**
Simon Mason, IRI, USA
- 14:40-15:00 **Multi-model ensembles, climate variation and climate change**
George Boer, MSC, Canada
- 15:00-15:20 *coffee break*

Chair: Bin Wang

- 15:20-15:40 **Multi-model synthetic superensemble prediction system**
W.T. Yun, FSU, USA
- 15:40-16:00 **Multi-model superensemble prediction system in METRI/KMA**
S. B. Ryoo, METRI, Korea
- 16:00-16:20 **Evaluation of the APCN multi-model ensemble prediction system**
W.S. Lee, APCN, Korea
- 16:20-16:30 *coffee break*

SESSION II. Climate Prediction and Modeling

Chair: George Boer

- 16:30-17:00 **Ten-year simulations and the seasonal predictions for flooding seasons in China by using the nested regional climate model RegCM_NCC**
Yihui Ding, CMA, China
- 17:00-17:20 **Impact of soil moisture on seasonal predictability in the northern Eurasia**
Valentin Meleshko, MGO, Russia
- 17:20-17:40 **Recent GFDL activities in model development and climate assessment using ensemble approaches**
Ngar-Cheung Lau, GFDL, USA
- 17:40-18:00 **A comparison of model's ensemble simulation between CWB GFS and ECHAM4.5**
Jyh-Wen Hwu, CWB, Chinese Taipei
- 18:00-20:00 **Reception**

Wednesday, 8 October

SESSION II. Climate Prediction and Modeling (continued)

Chair: Valentin Meleshko

- 08:30-09:00 **Subseasonal to seasonal prediction efforts at NASA's global modeling and assimilation office**
Siegfried Schubert, NASA, USA
- 09:00-09:20 **Seasonal forecasting at the Met Office - a CGCM vs AGCM comparison**
Sarah Ineson, Met Office, UK
- 09:20-09:40 **Precipitation performance in the MRI/JMA 98**
Tomoaki Ose, JMA, Japan
- 09:40-10:00 **JMA's dynamical seasonal prediction system and prediction skill of seasonal forecast model**
Yasuhiro Matsushita, JMA, Japan
- 10:00-10:20 **A fully coupled architecture for atmosphere-vegetation-hydrology legacy models applied to the West African monsoon**
Christophe Messenger, LTHE, France
- 10:20-10:40 *coffee break*

SESSION III. SST Prediction and Modeling

Chair: Ming Ji

- 10:40-11:10 **POAMA: Bureau of meteorology operational coupled model seasonal forecasting system**
Oscar Alves, BMRC, Australia
- 11:10-11:30 **Hindcast of ENSO using CME/PNU CGCM**
J.B. Ahn, PNU, Korea
- 11:30-11:50 **The enhancement of the SST predictability by improving the ocean mixed layer process in the OGCM**
Y. Noh, YONU, Korea
- 11:50-12:10 **Global SST prediction system at climate environment system research center**
J.S. Kook, SNU, Korea
- 12:10-13:30 **Lunch**

SESSION IV. Issues and Applications

Chair: Ngar-Cheung Lau

- 13:30-14:00 **Understanding and Prediction of the Asian Monsoon Onset**
Guoxiong Wu, IAP, China
- 14:00-14:20 **Why atmospheric models fail to simulate seasonal monsoon rainfall variability in monsoon convergence zones**
Bin Wang, U Hawaii, USA
- 14:20-14:40 **Impact of Atlantic SST anomalies on the summer rainfall in East Asia during 1997-1998**
Riyu Lu, IAP, China
- 14:40-15:00 **Meridional propagation of the MJO/ISO and Asian monsoon variability**
Man-Li C. Wu, NASA, USA
- 15:00-15:20 *coffee break*

Chair: Siegfried Schubert

- 15:20-15:40 **Performance of the KMA global model in the seasonal prediction of typhoon activity**
H.J. Kwon, KNU, Korea
- 15:40-16:00 **Objective comparison of modeled and observed trends in extremes of temperature and precipitation during the second half of the 20th century**
Dmitry Kiktev, ROSHYDROMET, Russia
- 16:00-16:20 **Application of ensemble prediction system to economic value problem**
Y.M. Yang, SNU, Korea
- 16:20-16:40 *coffee break*

16:40-18:10 Panel Discussion

Thursday, 9 October

Working Group Meeting

Report

08:30-08:45 ROSHYDROMET, Russia
08:45-09:00 CMA, China
09:00-09:15 JMA, Japan
09:15-09:30 KMA, Korea
09:30-09:45 CWB, Chinese Taipei
09:45-10:00 HKO, Hong Kong, China
10:00-10:20 *coffee break*

Chair: Jae-Kyung E. Schemm

Dmitry Kiktev
Dong Wenjie
Tomoaki Ose
J.K. Kim
Jyh-Wen Hwu
Edwin Ginn Wing-Lui

10:20-10:35 PAGASA, Philippines
10:35-10:50 MNRE, Viet Nam
10:50-11:05 TMD, Thailand
11:05-11:20 MMS, Malaysia
11:20-11:35 BMS, Brunei Darussalam
11:35-11:50 BMG, Indonesia

Chair: Tomoaki Ose

Nathaniel Cruz
Van Hai Nguyen
Chavaree Varasai
Ling Leong Kwok
Rokiah Haji Angas
Petrus Siregar

11:50-13:20 Lunch

Report (continued)

13:20-13:35 BOM, Australia
13:35-13:50 BMRC, Australia
13:50-14:05 NIWA, New Zealand
14:05-14:20 PMHS, Peru
14:20-14:35 IRI, USA
14:35-14:50 NCEP, USA
14:50-15:10 *coffee break*

Chair: Dong Wenjie

Michael Coughlan
Oscar Alves
James Renwick
Rafael Campos
Simon Mason
Jae-Kyung E. Schemm

Steering Committee Meeting/Sub-group meetings

15:10-16:10 Guidelines on APCN – Needs and Roles for Climate Prediction

16:10-16:30 *coffee break*

Discussion and Summary

16:30-18:00 Directions for the Development of the APCN Project

18:00-20:00 Banquet

Friday, 10 October

Technical Tour