


**Project Atmospheric Brown Cloud (ABC):
Data workshop, Impact Assessment workshop, and Science Team Meeting
5-9 December 2005**

	5 DECEMBER	6 DECEMBER	7 DECEMBER	8 DECEMBER	9 DECEMBER
STARTING TIME	1000	0900	0900	0840	0900
	DATA WORKSHOP Venue: CRI	ST-OPEN PLENARY MEETING: Scientific findings of APMEX AND EAREX Venue: Miracle Hotel	IMPACT WORKSHOP Venue: Miracle Hotel	IMPACT WORKSHOP Venue: Miracle Hotel	HIGH-LEVEL SEGMENT Venue: CRI
TEA BREAK	1130-1155	1040-1100	1020-1035	1020	1000- 1030
	DATA WORKSHOP Venue: CRI	ST-OPEN PLENARY MEETING: Scientific findings of APMEX AND EAREX Venue: Miracle Hotel	IMPACT WORKSHOP Venue: Miracle Hotel	IMPACT WORKSHOP Venue: Miracle Hotel	ROUND TABLE DISCUSSION ON IMPACT MEETING Venue: CRI
LUNCH	1245 - 1400	1200 - 1330	1240 -1400	1230 -1330	1230 -1400
1330 - 1600	DATA WORKSHOP Venue: CRI	ST MEETING venue: Miracle Hotel	IMPACT WORKSHOP Venue: Miracle Hotel	IMPACT WORKSHOP Venue: Miracle Hotel	STEERING COMMITTEE MEETING Venue: CRI
TEA BREAK	1540 – 1605	1510 -1520	1520 -1540	1450	1530
	DATA WORKSHOP Venue: CRI	ST MEETING Venue: Miracle Hotel	IMPACT WORKSHOP Venue: Miracle Hotel	OPENING CEREMONY OF HEALTH AND ENVIRONMENT MEETING Venue: CRI	STEERING COMMITTEE MEETING Venue: CRI
		ST MEETING (CLOSED SESSION FOR ST AND UNEP)- start at 1600			
CLOSING TIME	1655	1745	1730		1700
EVENING EVENTS			MEETING DINNER Host: UNEP Invitees: ABC Time: 1800 Venue: tbc	MEETING DINNER Host: CRI Invitees:ABC and H&E Time: 1800 Venue: CRI	MEETING DINNER Host: MoNRE Invitees:ABC and H&E Time: 1800 Venue: tbc

 Participation by invitation only

Project Atmospheric Brown Cloud (ABC): Science Team Meeting

6 December 2005

Venue: Miracle Grand Convention Center

Meeting room:

Tuesday, 6 December

Science Team meeting

- Scientific findings of APMEX and EAREX
- 0900 Precipitation chemistry during APMEX by H. Rodhe
0925 TBD by B.J. Sohn
0950 APMEX summary by V. Ramanathan
1020 EAREX summary by T. Nakajima
1040 Coffee / tea break
1100 Round-table discussion with ABC scientists and summary
1200 Lunch break

Science Team meeting (Chair: Prof. Ramanathan)

- 1330 Finalizing observatory list (Zhang and Rodhe)
1350 ABC participation in IGAC (Kondo)
1410 ABC participation in MAIRS, CEOP and other Monsoon related programs (Ramanathan and Guang Yu Shi)
1430 Presentation by Jamine Schauer
1450 Presentation by Islam on Bangladesh observatory
1510-1520 **Coffee /Tea Break**
1520 Presentation by S. Mitra (TERI) on Himalayan site
1540 Overview of Biomass burning activities in Thailand: Emission estimation, Modeling, and Monitoring by Narisara Thongboonchoo

Science Team meeting (closed session for ST members and UNEP)

- 1600 ABC organizational structure
New membership for Kondo and Jayaraman
Discussions on impact assessment programme:
- lead institutions for impact assessment programme, mitigation and adaptation measures;
 - possible funding sources and mechanism;

Discussion on project ABC:

- Achievements and the goal for the next several years;
- Financial sustainability; and
- Organizational setup

[This discussion will provide input for the Steering Committee meeting on 9th December]

Other issues

Project Atmospheric Brown Cloud (ABC): The First Workshop on Impact Assessment

7-8 December 2005

Venue: Miracle Grand Convention Center

Meeting room: Magic 1 on the 1st Floor

MEETING OBJECTIVE:

The workshop aims to contribute to an initial roadmap for the ABC impact assessment programme. In addition, the workshop will also review and document ongoing initiatives and their findings in the ABC impact areas.

TENTATIVE AGENDA:

Wednesday, 7 December

Opening Session (Chair: Y. Zhang)

- 900 Opening remarks by UNEP (S. Shrestha)
910 ToR for the impact assessment programme by V. Ramanathan

9:20 Overview of ABC and Impacts

- 20 minutes each talk
H. Akimoto: Asian Emissions: Past and Future
H. Rodhe : Deposition of acidifying compounds and its potential effect on Asian soils
M. Agrawal Agricultural impact of air pollution

1020 Coffee /tea break (15 min)

- V. Ramanathan: Effects of ABCs on regional climate and water budget
J. Sheehy: Rice, gaseous pollutants and the impact of climate change.

Open Discussion 45 minutes (Chairs: A. P. Mitra & T. Nakajima)

Session I: Air Pollution: Direct Impacts

A. Health Effects

- 1200 Assessing the health effects of outdoor air pollution in South-East Asia by D. Caussy
1220 Health-based risk assessment on ambient air pollution in Shanghai by Yunhui ZHANG
1240 **Lunch break**
1400 Study on the inflammation injury, immunotoxicology and genotoxicity of Ambient PM_{2.5} by D. Xu
1420 Presentation by M. Ruchirawat

B. Agriculture and other Ecosystem

- 1440 Impacts of air pollution on agriculture in East Asia in the early-1990's and projections for 2020 by D. Mauzerall
1500 Recent findings of atmospheric impacts on agricultural crops with free-air controlled environment by K. Kobayashi
1520 **Coffee / tea break**
1540 Presentation by S. Mitra
1600 Assessing Air Pollution impacts to agriculture in south Asia and southern Africa by L. Emberson

Project Atmospheric Brown Cloud (ABC): The First Workshop on Impact Assessment

7-8 December 2005

Venue: Miracle Grand Convention Center

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Session II: Air Pollution and Greenhouse Gases: Climate Change Impacts

A. Physical Climate Change

- 1630 How vulnerable is the Asian Monsoon to human Influence by D. R. Sikka
- 1650 Framework for impact assessment of aerosols in the Yangtze River Delta region: pilot study of monsoon Asia integrated regional study by R. Zhang
- 1710 Presentation by J. Dahe
- 1800 Meeting Dinner
-

Thursday, 8 December

Session II: Air Pollution and Greenhouse Gases: Climate Change Impacts (cont...)

B. Agriculture and Economics

- 840 Statistical estimates of impacts of ABCs on rice in India by M. Aufhammer
- 900 N. Kalra: Progress in Modeling of Climate Impacts on Agriculture
- 920 Kavikumar: India specific Agriculture impacts and adaptation by farmers
- 940 E. Somanathan Potential Impacts on water resources in India.
- 1000 Agro-residue Open Burning in Asia and potential effects on air quality, health and climate by K. Oanh
- 1020 Coffee / Tea break**

Session III: Mitigation and Adaptation (Lead:)

- 1040 Presentation by -----
Open discussion
- 1100 Meeting of Working Groups (Co-Chairs)
ABC-Agriculture Direct Impacts (Mauzeral and Kobayashi)
Climate-Water-Agriculture Impacts (D. Sikka and R. Zhang)
Economics and Policy Implications (Kavikumar and Shrestha)
- 1230 Lunch break**

Plenary Session

- 1330-1450 Plenary Session and closing

- 1500 Opening Ceremony of Scientific Conference on Asia Pacific Environmental Health; all the participants of ABC meetings are invited.

Project Atmospheric Brown Cloud (ABC): High-level Segment and Steering Committee Meeting

9 December 2005

Venue: Chularbhorn Research Center

Meeting room:

Friday, 9 December

High-Level Segment

- 900 Remarks by Dr. Klaus Topfer, Executive Director, UNEP
Remarks by Hon. Mr. Yongyuth Tiyapairat, Minister, Ministry of Natural Resources and Environment, Thailand
Update on ABC Impact Assessment Programm by Prof. V. Ramanathan
Key note talk by Dr. R. K. Pachauri, Chairman, IPCC
Discussion and Closing of High-Level segment

1000 **Coffee /Tea Break**

Round table discussion (Chair: Prof. Nakajima)

- 1030 Round table discussion on the impact meeting

1230 **Lunch**

Steering Committee meeting (Chair: Dr. Topfer)

- 1400 Introductory Remarks by Dr. Klaus Topfer, Executive Director, UNEP
Brief update on the outcome of Science Team meeting and Impact workshop by Prof. V. Ramanathan
Discussion on impact assessment:
- Possible lead person for the impact teams (crop impact team, health impact team, water impact team, and mitigation and adaptation measures);
 - Possible funding sources and mechanism; and
 - Next step
- Discussion on project ABC:
- Achievements and the goal for the next several years;
 - Financial sustainability; and
 - Organizational setup
- Date and venue for the next Science Team meeting
- 1800 Dinner hosted by MoNRE for ABC meeting and Health and Environment meeting
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