



BAQ 2002 PROGRAMME

Saturday 14 December 2002

18.30 – 21.30

Clean Air Training Network for Asia (CATNet-Asia) Meeting

(By invitation only, Rooms 202-203)

Contact person: Howard Wright, US EPA, Wright.Howard@epamail.epa.gov
Glynda Bathan, CA-Asia, Gbathan@adb.org

Sunday 15 December 2002

09.00 – 17.30

Clean Air Training Network for Asia (CATNet-Asia) Meeting

(By invitation only, Rooms 202-203)

Contact person: Howard Wright, US EPA, Wright.Howard@epamail.epa.gov
Glynda Bathan, CA-Asia, Gbathan@adb.org

09.00 – 17.30

Regional consultation on Strategic Framework for Air Quality Management in Asia

(By invitation only. Rooms 211-212)

Contact person: Christine Kim, Air Pollution in the Megacities of Asia (APMA),
chkim@kei.re.kr

14.00 - 18.00

Press conference

Room 209-210

Contact person: HA Kong, Hong Kong EPD, kha@epd.gov.hk

Monday 16 December 2002

Opening Session (room 201)

09.00 – 09.12

Opening remarks

Poon Chung-kwong, President, The Hong Kong Polytechnic University
Alan Lloyd, Chairman, California Air Resources Board
Wha-Jin Han, Director, Air Pollution in the Megacities of Asia Program,
Korea Environment Institute
Rogelio Uianza, Chairperson, Clean Air Initiative for Asian Cities

09.13 – 09.30

Workshop opening

Sarah Liao, Secretary for the Environment, Transport and Works, HKSAR

Keynote Addresses (room 201)

09.31 – 09.45

Air quality management in PRC

Fan Yuan Sheng, Deputy Director General, Pollution Control Department,
State Environmental Protection Administration, PRC

09.46 – 10.15

Inauguration of Exhibition by Chief Guest
Coffee Break

10.16 – 10.35

Air quality management in California
C. Hugh Friedman, Board Member, California Air Resources Board

10.36 – 10.55

Significance of the problem of air pollution in Asia
Dilip Biswas, Chairman, Central Pollution Control Board, India

10.56 – 11.15

Launch of the health impact study in 4 Asian cities
Daniel Greenbaum, President and Robert O'Keefe, Vice President, Health Effects Institute

11.16 – 11.35

Role of the international community in reducing air pollution in Asia
Frannie Leautier, Vice President, World Bank

11.36 – 12.00

Synopsis of sub workshops
Wing-tat Hung, Chair, BAQ 2002 Organizing Committee

12.01 – 13.30

Lunch Break

13.30 – 17.00

Sub workshop 1 (room 201a)
Strategic air quality management in Asian cities

Lead Experts: Dieter Schwela, World Health Organization (WHO)
Supat Wangwongwatana, Pollution Control Department, Thailand

Introduction to the sub workshop
Dieter Schwela, WHO and
Supat Wangwongwatana, PCD Thailand

Regional, trans-boundary air pollution problems in Asia
Mylvakanam Iyngararasan, Senior Programme Officer, UNEP RRC.AP

Indoor air pollution as part of overall air pollution in Asian cities
Lidia Morawska, Director, Environmental Aerosol Laboratory, School of Physical Sciences
Queensland University of Technology

Air quality management in Indian cities: trends and challenges
R.N. Singh, National Environmental Engineering Research Institute

Air quality management in Pakistan cities: trends and challenges
Noman Qadir, Chief Executive, Global Environment Technologies

Air quality management in Bangkok: trends and challenges
Supat Wangwongwatana, Deputy Director General, Pollution Control Department

Air quality management in Jakarta: trends and challenges
Kosasih Wirahadikusumah, Head of Environment Office, DKI Jakarta

Air quality management in a PRC city: trends and challenges
Tbd

Air Quality Management in Singapore
Tan Wee Hock, Singapore National Environment Agency

Questions and answers

13.30 – 17.00

Sub workshop 2 (room 204-205)

Air Quality Monitoring

Lead Experts: Frank Murray, Murdoch University, Australia
Raymond Leung, Environmental Protection Department, HKSAR

Introduction to the sub workshop

Frank Murray, Murdoch University, Australia and
Raymond Leung, Environmental Protection Department, HKSAR

Role of air quality monitoring in air quality management

Jon Bower, Chief Consultant, AEA Technology Environment

Ambient air quality monitoring in PRC

Wan Bentai, Director, PRC Environmental Monitoring Center

Ambient air quality monitoring in Ho Chi Minh City

Vo Thanh Dam, Specialist on Air Quality Monitoring
Department of Science, Technology and Environment, Ho Chi Minh City

Acid deposition monitoring

Mylvakanam Iyngararasan, Senior Programme Officer, UNEP RRC.AP

Air quality monitoring in Singapore

KOH Chin Yong, Singapore National Environment Agency

Questions and answers

13.30 – 17.00

Sub workshop 3 (room 202-203)

Stationary Sources

Lead Experts: Barbara Finamore, Natural Resources Defense Council
Dilip Biswas, Central Pollution Control Board, India

Overview of stationary sources of pollution and their management in the United States

Barbara Finamore, Natural Resources Defense Council

Overview of stationary sources of pollution and their management in PRC

Tang Dagang, Chinese Research Academy for Environmental Sciences

Overview of stationary sources of pollution and their management in India

B. Sengupta, Member Secretary, Central Pollution Control Board

Overview of stationary sources of pollution and their management in Thailand

Mingquan Wichayarangsarith, Pollution Control Department, Thailand

Monitoring techniques for stationary sources of pollution

Dale Evarts, International Programs Coordinator, Office of Air Quality Planning and Standards,
US Environmental Protection Agency

Pollution from stationary sources: the importance of addressing toxics, the case of mercury in coal-fired power plants in the Philippines
Red Constantino, Greenpeace Philippines

Questions and answers

13.30 – 17.00

Sub workshop 4 (room 201b)

Mobile Sources

Lead Experts: Michael Walsh, International Consultant
FU Lixin, Tsinghua University

Introduction and overview

Michael Walsh, International Consultant

Vehicle inspection and maintenance: the key issues to successful implementation

Fu Lixin, Tsinghua University

Global and Hong Kong, China experiences with retrofitting in-use diesel vehicles

Dale McKinnon, Deputy Director, Manufacturers of Emission Controls Association and
Matthew Tsang, Environmental Protection Officer, Environmental Protection Department,
Hong Kong

Efforts to reduce pollution from 2 wheelers in India and across Asia

Narayan Iyer, Bajaj Auto, India

Framework of automotive pollution control in Japan

Kotaro Kawamata, Environment Management Office, Ministry of the Environment

Modeling mobile source emissions in developing countries

James Lents, University of California at Riverside

Questions and answers

13.30 – 17.00

Sub workshop 5 (room 206-208)

Institutional Arrangements for Air Quality Management

Lead Experts: Jian Xie, World Bank
Neric Acosta, House of Representatives, Philippine Congress

Institutional challenges for air quality management in Asia

Charles Melhuish, Lead Transport Sector Specialist, Asian Development Bank and
Cornie Huizenga, CA+Asia Secretariat, Asian Development Bank

Institutional challenges to implementation of the air quality management project in Dhaka

Derek Langgons and Rehana Akhter, Dhaka Air Quality Management Project

Structural reform and institutional and regulatory framework for air quality management

Neric Acosta, House of Representatives, Republic of the Philippines

Market-based instruments for air quality management: economic analysis and applications

Jian Xie, Senior Environmental Specialist, World Bank

Air quality management in Kitakyushu City

Tetsuya Ishida, Expert, Environmental Protection Division, Environment Bureau,
City of Kitakyushu

The role of governance in improving air quality

Lee Schipper, Co Director, EMBARQ

Questions and answers

13.30 – 17.00

Sub workshop 6 (room 209-210)

Climate Change

Lead Experts: Alan Lloyd, California Air Resources Board
Chan Lo-yin, Hong Kong Polytechnic University

Introduction to the sub workshop

Alan Lloyd, Chairman, California Air Resources Board

Perspectives on Climate Change

Thomas J. Gross, Member, Board of Directors, Office of Energy Efficiency and Renewable Energy, US Department of Energy

Addressing air quality and climate through soot control

Mark Z. Jacobson, Department of Civil and Environmental Engineering, Stanford University

The environment change in last thirty years of the main rim cities in PRC

Yun-Feng Luo, Department of Earth Sciences, Peking University

Tropospheric ozone and trace gas measurements in PRC: implications on climate change

John C. Y. Chan, Department of Civil and Structural Engineering
The Hong Kong Polytechnic University

Sustainable urban transport sector and possibilities for CO2 mitigation

Sudhakar Yedla, Assistant Professor, Indira Grandhi Institute of Development Research, India

Bringing cities together to address climate change issues

Pamela Gallares-Oppus, Regional Manager, CCP Southeast Asia, Cities for Climate Protection Campaign, International Council for Local Environmental Initiatives (ICLEI)

Questions and answers

Tuesday 17 December 2002

City Focus (room 201)

09.00 – 09.15

Delhi, India

Ajay Maken, Delhi Transport Minister

09.16 – 09.30

Shanghai, PRC

Zhang Quan, Deputy Environment Director, Shanghai

09.31 – 10.00

Santiago, Chile

Gianni Lopez, Director of the National Commission for the Environment in Chile

10.01 – 10.15

Tokyo Metropolitan Authority, Japan

Yuko Nishida, Planning Section, The Bureau of Environment, Tokyo Metropolitan Government

10.16 – 10.30

Busan, South Korea

Dr. Eun-Chul Yoo, Researcher, Institute of Health and Environment,
Busan Metropolitan Government

10.31 – 10.45

Kathmandu, Nepal

Rabin Man Shrestha, Head of Urban Environment Section, Kathmandu Metropolitan City Office

10.46 – 11.00

Hong Kong, China

Raymond Leung, Acting Assistant Director (Air),
Environmental Protection Department, Hong Kong, China

11.01 – 11.15

Los Angeles, California, USA

Jeff Cook, Chief, Quality Management Branch, Monitoring and Laboratory Division,
California Air Resources Board

11.16 – 12.30

City Forum (room 201)

- Civil society perspective: Anumita Roychowdhury, Centre for Science and Environment
- Development agency perspective: Charles Melhuish, Lead Transport Sector Specialist, Asian Development Bank
- National government agency perspective: Tanwir Yazid Mukawi, Ministry of Environment, Indonesia
- Legal community perspective: Antonio A. Oposa, Jr., Environmental Lawyer, Philippines
- Urban poor perspective: Tubagus Haryo Karbyanto, Jakarta Residents Forum (FAKTA)
- Private sector perspective: Representative Shell

12.31 – 13.30

Lunch Break

13.30 – 17.00

**Continuation of Sub workshop 1 (room 201a)
Strategic Air Quality Management in Asian Cities**

Air quality management practice in Europe

Gary Haq, Research Associate, Stockholm Environment Institute
Biology Department, University of York

Strategic framework for air quality management

Dietrich Schwela, Air Pollution Scientist, Department of Protection of the Human Environment,
Occupational and Environmental Health Programme, World Health Organization

Integrated approaches for air quality management

TBD, US Environmental Protection Agency

Capacity enhancement in air quality management

John Hay, Senior Advisor, United Nations Environment Programme

Questions and answers

13.30 – 17.00

**Continuation of Sub workshop 2 (room 204-205)
Air Quality Monitoring**

Network management in Hong Kong, China

Moman Yeung, Senior Environmental Protection Officer of the Air Service Group, Environmental
Protection Department, Hong Kong, China

Ambient air quality monitoring in Guangzhou

Zhang G X, Guangzhou Environmental Monitoring Centre

Air quality monitoring in Los Angeles, California

Jeffrey Cook, Chief, Quality Management Branch, Monitoring and Laboratory Division,
California Air Resources Board

Replacement of air quality measurements by model calculations

Axel Friedrich, Federal Environmental Agency, Germany

Questions and answers

13.30 – 17.00

Continuation of Sub workshop 3 (room 202-203)

Stationary Sources

Emission trading: challenges and opportunities

Ruth Greenspan Bell, Director, International Institutional Development and Environmental Assistance, Resources for the Future Resources for the Future

Emission trading: will it work for PRC's SO2 emission and acid rain control?

Shiqiu Zhang, School of Environment, Peking University, Beijing

CEM Network Leading to emission trading in Thailand

Wailuck Borrell, Pollution Control Department, Thailand

The role of development agencies in facilitating emission trading

Piya Abeygunawardena, Asian Development Bank

Emission trading in India

Sanjay Kumar Sinha, Director – CRISIL Infrastructure Advisory, Credit Rating Information Services of India Limited (CRISIL) Mumbai, India

Power sector in PRC

Yang Jintian, Chinese Research Academy for Environmental Sciences

Questions and answers

13.30 – 17.00

Continuation of Sub workshop 4 (room 201b)

Mobile Sources

Results of study on costs of installation of diesel desulphurisation equipment in refineries

Mario Camarsa, Enstrat International / IPIECA

The need for and costs of reducing sulfur in diesel fuel

Nancy Yamaguchi, President, Trans-Energy Research Associates, Inc.

Issues and potential benefits of CNG vehicles

Christopher Weaver, President, Engine Fuels and Emissions Engineering, Inc.

Worldwide fuel quality trends: focus on Asia

Liisa Kiuru, International Fuel Quality Center or Hart/IRI Fuels Information Services

Clean fuels and vehicles partnership

Jerry Clifford, Deputy Assistant Administrator for International Affairs, US-EPA

Wells to wellness: what to do about diesel emissions in urban areas

Jitu Shah, Senior Environmental Specialist, World Bank

13.30 – 17.00

Questions and answers

Continuation of Sub workshop 5 (room 206-208) Institutional Arrangements for Air Quality Management

Building institutional capacity in the science-policy interface for regional worldwide air quality management

Lars Nordberg, Adviser on International Legislation on Air Pollution, Sweden

Urban redevelopment and air quality in Fushun, PRC

Simon Eggleston, AEA Technology

Multi stakeholder partnership for AQM in Jakarta

Rasio Ridho Sani, Mitra Emisi Bersih (Partnership for Clean Emissions)

An Action Model of Public-Private Partnership for Cleaner Air in Hong Kong, China

Wing-tat Hung, Associate Professor, Department of Civil and Structural Engineering, Hong Kong Polytechnic University

Capacity building through distance learning

Paul Procee, Urban Environmental Specialist, World Bank

Clean Air Training Network for Asia (CATNet-Asia)

Ronald Subida, Member, Clean Air Training Network for Asia

Questions and answers

13.30 – 17.00

Continuation Sub workshop 6 (room 209-210) Climate Change

The role of multilateral development organizations in developing a strategic response to mitigation and abatement of climate change in Asia

Yue-Lang Feng, Senior Environment Specialist, Asian Development Bank

Some characteristics of ozone profiles over Hong Kong, China

W.L. Chang, Senior Scientific Officer, Hong Kong Observatory

Photochemical ozone pollution in southern and eastern PRC

T. Wang, Department of Civil and Structural Engineering
The Hong Kong Polytechnic University

Mega-suburb heat-island effect over Taipei, China western plain

Shaw Liu, Environmental Change Research Centre, Institute of Earth Sciences
Academia Sinica

The trend of acid rain pollution in PRC

W. X. Wang, Professor, Chinese Research Academy of Environmental Sciences and Academician of the Chinese Academy of Engineering

Questions and answers

Wednesday 18 December 2002

09.00 – 10.30

Poster paper presentations (room 204-210)

10.31 – 12.00

Presentation of conclusions and recommendations from the sub workshops (room 201)

Closing Session (room 201)

12.01 – 12.30

Challenges facing air quality management in Hong Kong, China in the next decade

Robert J S Law, Director of Environmental Protection Department, Hong Kong, China

Ford Motor Company partnerships for air quality improvement in Asia

Sam Coulson, Regional Manager - Asia Pacific, Ford Motor Company

Challenges ahead in air quality management in Asia

Supat Wangwongwatana, Deputy Director General, Pollution Control Department, Thailand

13.30 – 17.00

Technical Visits

- Bus Maintenance Depot and Vehicle Emissions Testing Center in Kowloon Bay
- Air Quality Monitoring Station in Central
- Air Quality Monitoring Station in Tung Chung
- Towngas Plant in Taipo
- Power Plant in Lamma
- Power Plant in Tapshekkok

13.00 – 17.30

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Glynda Bathan, CAI-Asia, Gbathan@adb.org

13.30-17.30

Partnership for Clean Fuels and Vehicles

(By invitation only)

Contact person: Cornie Huizenga, CAI-Asia, ch Luizenga@adb.org

Jane Metcalfe, Metcalfe.jane@epamail.epa.gov

Thursday

19 December 2002

09.00 – 13.00

Clean Air Initiative for Asian Cities (CAI-Asia) General Assembly

Rooms 404-405

(All BAQ 2002 participants are invited to attend. Please confirm attendance.)

Contact person: Edna Songco, CAI-Asia, esongco@adb.org

14.30 – 17.00

Smoky Vehicle Spotter Training Briefing

(By invitation only. Bus pick up at the Harbour View Hotel at 2:30pm)

Contact person: HA Kong, Hong Kong EPD, kha@epd.gov.hk