Air Quality, Climate Change and Transport in Asian Cities

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Clean Air Initiative for Asian Cities (CAI-Asia)

3rd High Level Seminar on Environmentally Sustainable Cities
Siem Reap, Cambodia
6-8 March 2012
CAI-Asia promotes **better air quality and livable cities** by translating knowledge to policies and actions that reduce **air pollution and greenhouse gas emissions** from transport, energy and other sectors.

CAI-Asia was established as the **premier air quality network for Asia** by the Asian Development Bank, **World Bank** and USAID in 2001, and operates since 2007 as an independent non-profit organization.

CAI-Asia is a **UN recognized Partnership** with more than 230 organizational members and **8 Country Networks**.
About CAI-Asia: How we work

www.cleanairinitiative.org

What we do
- Knowledge & Data
- Tools & Assessments
- Policy & Program Support
- Networking & Partnerships

CAI-Asia Programs
- Air Quality and Climate Change
- Low Emissions Urban Development
- Clean Fuels and Vehicles
- Green Freight and Logistics

What we aim for
- Reduced air pollution and greenhouse gas emissions
- Improved health
- Energy savings
- Livable cities

Input from partners
Air Quality Management

- Clean Air Management Assessment Tool (Clean Air Scorecard)
- City Clean Air Reports
- City Clean Air Action Plans
- Air Quality Monitoring System Assessment
Tools for Estimating Emissions

- Transport Emissions Evaluation Models for Projects (TEEMP) Tool
- Rapid Assessment of City Emissions (RACE) Tool for AP and GHG Calculation Tools for Transport (Road)
- AP and GHG Calculation Tools for Energy (Electricity)
- Data and Emissions Factors – CitiesACT.org
Scenarios for ENERGY USE

Energy transport: 1.3 million TOE
Electricity: 15 million MWh
CO₂ emissions transport: 4.3 million tons
CO₂ emissions electricity: 6.1 million tons
Guidelines for AP and GHG Data Indicators

• Introduction

• AP/GHG Indicators and input parameters selection
  – 24 transport indicators
  – 21 energy indicators

• Guidelines for Generation, interpretation and analysis of indicators

• Annexes
  – Indicator initiatives of international organizations
  – Default values for transport and energy input parameters
Other Tools - Walkability

http://www.cleanairinitiative.org/portal/node/1470
Clean Air Portal with organizations, projects, policies, news, publications, tools, and events relevant to air quality, climate change, energy and transport

CitiesACT database on air quality levels, CO₂ emissions, transport and energy data and indicators for 250 Asian cities and 22 countries. Users can search by location, topic, and create online charts and figures

Clean Air at Mega-Events website with information of past, present and future mega-events to guide future host cities on measures and strategies to improve clean air management in their cities

Green Freight and Logistics website with information on policies and programs, technologies and logistics, and data relevant to the freight sector
CAI-Asia Helpdesk

- **Research** 31%
- Endorsement, interview, review, writing, and speaker invitation 11%
- CAI-Asia publications, projects and projects 10%
- Conference, meeting, and workshop invitation 9%
- Work Opportunity 6%
- Information dissemination 6%
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- Product introduction 3%
- CAP clarification and/or problem 3%
- Other 2%
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China ● India ● Indonesia ● Nepal ● Pakistan ● Philippines ● Sri Lanka ● Vietnam

CAI-Asia Center Members

231 CAI-Asia Partnership Members
• 45 Cities
• 19 Environment ministries
• 13 Other Government agencies
• 17 Development agencies and foundations
• 66 NGOs
• 37 Academic and research institutes
• 32 Private sector companies

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