

Update on CAI-Asia Projects CAI-Asia项目介绍(2011)

Yan Peng 彭艳

China Representative 中国项目总负责人 Clean Air Initiative for Asian Cities (CAI-Asia) Center

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Outline 大纲



- About the Clean Air Initiative for Asian Cities (CAI-Asia) 关于亚洲城市清洁空气行动中心
- CAI-Asia as a regional organization
 CAI-Asia 是一个区域性组织
- CAI-Asia Program 中国项目













About the Clean Air Initiative for Asian Cities

关于亚洲城市清洁空气行动











About the Clean Air Initiative for Asian Cities



关于亚洲城市清洁空气行动

The Clean Air Initiative for Asian Cities promotes better air quality and livable cities by translating knowledge to policies and actions that reduce air pollution and greenhouse gas emissions in transport, energy and other sectors

亚洲城市清洁空气行动旨在将知识转化为促进在交通、能源和其他行业减少空气污染和温室气体排放的政策和行动,进而改善空气质量,打造宜居城市.



CAI-Asia began in 2001 as a multi-stakeholder initiative by ADB, World Bank and USAID

Since 2007, CAI-Asia is a UN Type-II Partnership with over 200 organizational members, 8 Country Networks, and the CAI-Asia Center as its secretariat (a non-profit organization)

CAI-Asia由亚洲开发银行、世界银行和美国-亚洲环境伙伴关系(USAID项目)在2001年联合行动中建立

2007年起,CAI-Asia 成为联合国第II类伙伴关系,拥有200多个组织成员、8个国家网络,其秘书处是CAEASia中心(非营利性机构)

CAI-Asia Team CAI-Asia 团队





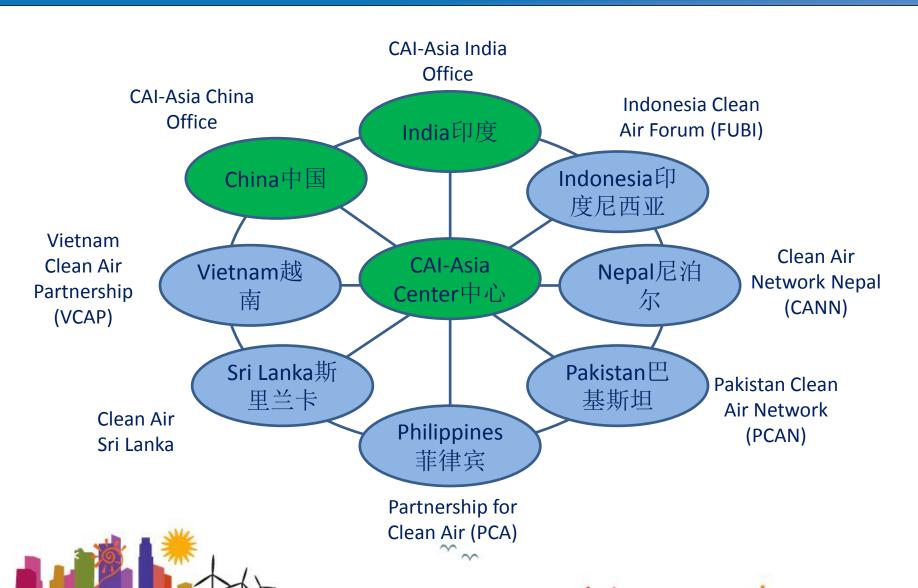
Better Air Quality and Livable Cities



CAI-Asia Country Networks

八个国家网络







CAI-Asia as a regional organization 区域性组织CAI-Asia











CAI-Asia as a regional organization 区域性组织CAI-Asia



- Partnership members in 19 Asian countries在亚洲19个国家有伙伴关系成员
- Active role in regional inter-governmental processes对推动区域政府间进程起到积极作用
- Dialogues with governments, cities, city networks, academic and research institutions, and development agencies与政府、城市、城市网络、学术和研究机构及开发机构进行对话
- Regional Blue Skies Exchange Program区域性蓝天交流项目
- BAQ conferences with 800 to 1,000 participants from 35 countries worldwide 来自全球35个国家的800-1000位来宾参加BAQ大会
- Clean Air Portal launched in Feb 2010 in cooperation with CAI-Asia Partnership members 与CAI-Asia伙伴关系一起建立了清洁空气门户网站 (supported by ADB, Japan Special Fund, GAPF)

Better Air Quality (BAQ) conferences



- **Biggest gathering on air quality in Asia**, covering transport, energy, industry and climate change since 2002 **自2002年亚洲最大的空气质量盛会**,涵盖了交通、能源、工业和气候变化等方面的内容。
- It has grown into a **community of practitioners** who meet every two years for **networking**, **learning and sharing experiences** BAQ大会也逐渐变成业界人士两年一次的聚会,旨在建立网络、学习并分享经验。
- BAQ has proven to **influence policies**, **initiate new projects and establish partnerships** 事实证明,BAQ大会可以有效地**影响政策、启动新项目并建立伙伴关系**。





















CAI-Asia Portal – www.cleanairinitiative.org



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Events

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RECENT POSTS

- CAl-Asia Center Business Plan 2011-2012.
- Clean Air Network Nepal Newsletter
- CAl-Asia China E-newsletter
- Beijing's Air Quality (Visual Monitoring)

View More

View Previous Spotlights

Communities

HOW TO JOIN CAI-ASIA

- Subscribe to our listsery
- Apply as an Intern
- Join the CAl-Asia Partnership
- Support our activities as CAI-Asia Center member

ANNOUNCEMENTS

- New Publication: Managing Two and Three Wheelers in Asia
 24 Mar 2011
- Green Freight Network Survey 23 Mar 2011
- Air Pollution Perception Survey 23 Mar 2011



CELEBRATING '10 YEARS OF PARTNERSHIP'!



- Tour of the Fireflies
 17 April 2011
 Manila, Philippines
- Car-Free Day
 17 April 2011
 Jakarta, Indonesia

NEWS FROM AROUND THE WORLD

CAI-Asia's Country Networks also compile air quality, climate and energy, and transport news from national and local newspapers. These include

ASSOCIATED WEBSITES

- BAQ2010: AQ in a Changing Climate
- CAl-Asia blog: AQ, CC and Transport
- CAl-Asia on Flickr
- CAl-Asia on YouTube
- Clean Air at Mega-events
- CitiesACT database

CLEAN AIR TOOLS

- Clean Air Scorecard
- Clean Fleet Management Toolkit
- Integrated GHG and AP Emissions Accounting for Companies
- Transport Emissions Evaluation Model for Projects (TEEMP)



CAI-Asia Program 项目介绍











CAI-Asia's program CAI-Asia 的工作思路



Impact: Better air quality and more livable cities

影响: 更好的空气质量与更加宜居的城市

<u>Outcome:</u> Integrated air quality management, climate change mitigation, energy management and sustainable transport into policies and programs of developing countries and its cities

结果: 将空气质量管理、减缓气候变化、能源管理和可持续交通整合纳入发展中国家及城市的政策和项目中。

Outputs产出:

- Strengthened and harmonized regional and national and policies and standards 加强和统一区域及国家政策与标准
- Enhanced frameworks for sound policies, programs and urban development 强化合理政策、项目和城市发展框架
- Increased awareness and access to information, tools and partners 增加获得信息、工具与合作伙伴的途径及意识







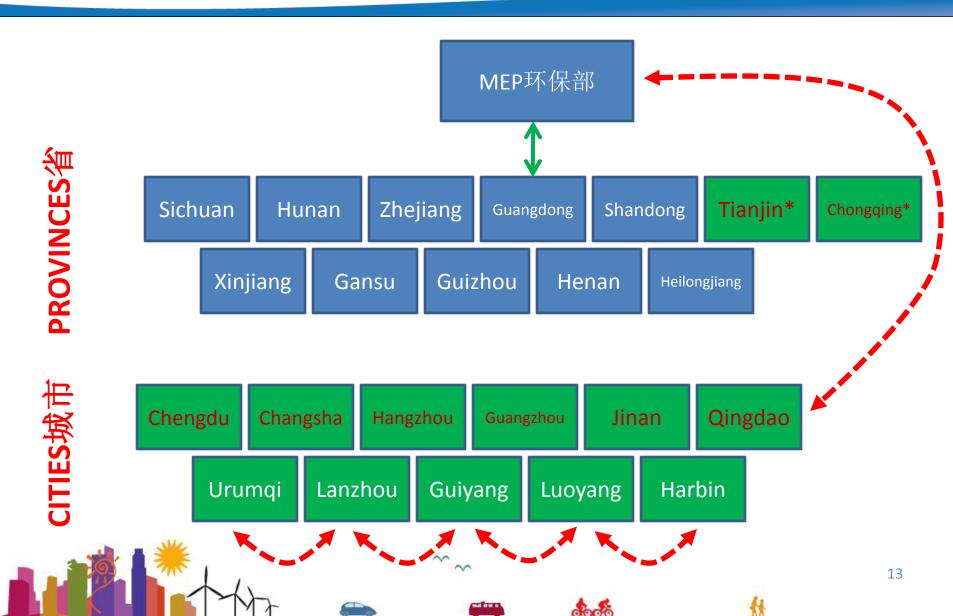




Scaling up approach in China

中国网络的架构





Main Projects & Activities in China

中国主要项目



- City workshops(6) & Training Courses (3) 城市研讨会(6)与培训课程(3)
- Air quality management projects in the cities with mega-events针对 举办大型活动的城市的空气质量管理项目
 - Beijing Olympic Page北京奥运空气质量管理网页
 - Blue Skies Shanghai EXPO 2010上海世博蓝天项目
 - Guangzhou Green Truck Pilot Project广州绿色卡车试点项目
- Clean Air Management Assessment Tool (CAMAT) 运用清洁空气管理评价工具,提高城市的AQM能力
- Co-benefits training for 协同效益培训
 - NGOs
 - Cities
- Green Freight Program in China中国绿色货运项目











China Office partners合作伙伴





ADB * AusAid * Cascade Sierra Solutions * CRAES * CANGO * Tsinghua University * ESMAP * Energy Foundation * Fu Tak lam Foundation Guangdong Provincial Transport Department Guangzhou EPB Guangzhou PMO-World Bank * Guangzhou Transport Committee * Heinrich Böll Stiftung * Hewlett Foundation * MEP PRC * MOT PRC * Shanghai Academy of Environmental Sciences * Shanghai EPB * Sida * US EPA * VECC-MEP * World Bank





Location: Asia in General > China

vears, read more >>

BEIJING 2008 OLYMPICS

LIBRARY Countries Topics HOW TO PARTICIPATE CAI Listsery Air Quality Newsletters Opportunities

The 2008 Olympics was held in Beijing Olympics AO news and six other cities from 8 August to 24 - FAQs August. The CAI-Asia Center is supporting Beijing EPB in communicating China's efforts to improve its air quality during the Olympic Games. It is arguably the best thing to happen jair quality in Asian cities in the last 10

Summary of the AQ Status in Beijing during the Olympics

The average daily API in Beijing during the first 26 days of August 2008 was 36% lower than the average during the same period in the preceding eight years. (see the summary of Beijing's AQ status during the Olympics here)







Beijing - August API* 59 2005 2006 2007 * Average Airing the Box 26 days of August (2000-2000)

Interview with Beijing EPB CAI-Asia had the privilege of interviewing the key officials of the

AIR QUALITY IN CHINESE CITIES

Olympic AQ Charts and Datasets

AQ Actions by Olympic Cities

Air Quality in Olympic Cities Annual Pollutant Concentration

Air Pollution Index (API)

Calculated PM10 Analysis

Overview of Actions

BeiJing

date: 2008-10-13

< GD BACK

BEIJING 2008

Summary

Hong Kong

Shanghal Shenyang

Other links Key Reports

News FAQ5

Key Resources

Qinhuanodao Qinodao

Belling

Home

api: 93

Prominent: PM₄₀

grade: II

Air quality Description:

Good

Courtesy of VECC-SEPA

Shanghai Expo Pages on Clean Air Mega-eve website上海世博蓝天项目

- Shanghai Expo 2010 Home
- About Shanghai Expo
- About Shanghai
- Sources of Air Pollution
- Air Quality in Shanghai
 - Air Quality Monitoring
 - Air Quality Reporting
 - Summary: AQ in Shanghai during World Expo 2010
 - Historical AQ Data
- Clean Air Management in Shanghai
 - Assessing AQ Compliance
 - Understanding the API
 - AQ measures in Shanghai
 - Low Carbon Expo
 - Others



Links to Shanghai EMC website for Shanghai EXPO

上海市环境监测中心链接

http://megaevents.cleanairinitiative.org/shanghaiexpo2010/













Clean Air Scorecard Management Assessment Tool





AP and Health Index 空气污染及健康 指数

Capacity Index 能力指数 + | |

Policies and Actions Index 政策和行动指数

Overall Clean Air Scorecard 公文公文

Excellent, Good, Moderate,
Limited, Minimal

- Air Pollution and Health Index rating air pollution levels of cities against WHO guideline values and interim targets
 - 空气污染和健康指数—以WHO指导值衡量分析城市的空气污染水平
- Capacity Index rating a city's capacity to determine sources, levels and impacts and capacity to address air pollution and GHG emissions
 能力指数一排列城市确定污染来源、水平及影响的能力和解决空气污染和温室气体排放的能力
- Policies and Actions Index rating the presence and enforcement of policies and actions to address emissions from relevant sources (mobile, stationary, area
- 政策和行动指数—排列解决相关源排放的政策和行动的执行情况(包括流动源、固定源、面源和跨界输送)











Results Jinan and Hangzhou: Management Capacity Ind

济南和杭州的结果:清洁空气管理能力指数

Jinan济南

- •有毒有害物的排放清单
- •环境PM2.5监测
- •大多数污染物有路边监测
- •空气污染对健康和其他行业如农业,旅游业及经济的影响

Index 2 - Clean Air Management Capacity Index

	Final Score	Perfect Score
Capacity to Determine Sources of Air Pollution and Their Contribution	6.8	8.3
Capacity to Assess the Status of Air Quality	7.3	8.3
Capacity to Estimate Impacts of Air Pollution	4.8	8.3
Capacity to Respond to Air Pollution	7.7	8.3
Tota	1 26.6	33.3

Index 2 - Clean Air Management Capacity Index

Final Score	Perfect Score
5.8	8.3
7.3	8.3
6.0	8.3
7.6	8.3
26.7	33.3
	5.8 7.3 6.0 7.6

Hangzhou杭州:

- •PM排放清单
- •包括面源(国内和商用)的排放清单
 - •温室气体的排放清单
- •空气污染对健康和其他行业如旅游业的影响











Results Jinan and Hangzhou: Policies and Actions Index

济南和杭州的结果:清洁空气政策和行动指数

Jinan gaps弱项

- standards for PM_{2.5} and other toxics As, Cd, Cr, Hg, Ni 标准
- transport fuel efficiency and fuel economy standards 交通燃油效率 和燃油经济性标准

Index 3 - Clean Air Policies and Actions Index		
	Final Score	Perfect Score
Indicators of General Policies and Actions in Air Quality	8.6	10
Indicators of Clean Air Policies and Actions in Transport Sector	8.5	10
Indicators of Clean Air Policies and Actions in Energy and Industry	7.9	8.3
Indicators of Clean Air Policies and Actions for Other Sources	5.0	5
Total	30.0	33.3

Index 3 - Clean Air Policies and Actions Index

	Final Score	Perfect Score
Indicators of General Policies and Actions in Air Quality	8.3	10
Indicators of Clean Air Policies and Actions in Transport Sector	7.7	10
Indicators of Clean Air Policies and Actions in Energy and Industry	7.7	8.3
Indicators of Clean Air Policies and Actions for Other Sources	5.0	5
Total	28.8	33.3

Hangzhou gaps弱项:

- standards for PM_{2.5} and other toxics
 As, Cd, Cr, Hg, Ni标准
- smog alarm plan烟雾预警计划
- transport fuel efficiency and fuel economy standards交通燃油效率 和燃油经济性标准
- technology transfer programs and measures for energy and industry sectors技术推荐项目和能源及工业行业的措施



Green Truck, Green China绿色中国,绿色货运





Progress as of today目前进展



MEP环保部:

- Invitation for policy brief on co-benefits (Jan2011)邀请参与协同效益政策介绍(2011年1月)
- formal recognition of the Chinese City Workshops on AQM (July2010) 中国网络研讨会被正式确认为中国城市空气质量管理研讨会
- Co-funding (since 2007) 固定配套资金(自2007年)
- Joint planning (since 2005) 联合规划(自2005年)

Clean Air Forum(s) in China: 中国清洁空气论坛

- Shanghai Clean Air Forum since 2008, 2009, 2011 上海清洁空气论坛 2008/2009/2011
- Yangzi River Delta Clean Air Forum Idea长江三角洲地区清洁空气论坛

Ministry of Transport: 交通部

• Long-term strategic Cooperation: Freight 长期战略合作: 货运

Cities: 城市

• Low Emission Urban Development 城市低排放发展











1. 宜居城市的 愿景规划

- 问题分析
- 通过愿景反推来 评价包括协同效 益的各项政策

3. 分析

- 所选项目的可行 性分析
 - 执行计划
- 为执行涉及支持框架

2. 整合的交通系统

- •识别EST政策和项目
- 利益相关方对话
- •识别工具和专业 技能

4. 执行

- 项目执行
 - 监测
 - 评估

Adapted from: CAI-Asia Center, 2009. Achieving Sustainable Urban Mobincludes a more detailed description of the state.

Cities – Discussion paper, funded by ADB/Sida, which tole to the transport sector.







2011-2012 工作重心 (1)



- 1 推动中国绿色货运的深入发展:广东(WB),全国(EF)
- 中国绿色货运框架国际研讨会 (25-27 May)
- 广东绿色货运示范项目启动会 (22 June)
- 广东绿色货运物流技术一站式交易会(22-24 June)











2011-2012 工作重心 (2)



- 2 协助济南和杭州完善清洁空气行动计划 (EF)
- 13个城市范围研讨会 (Aug/Sep)
- 3 尝试编写城市空气质量管理报告:济南,杭州(EF)
- 13个城市范围研讨会 (Dec)
- 4实施低排放城市发展思路:大连(ADB),武汉(WB)
- 5 支持非机动化交通的宣传和公众参与活动(CANGO-Swiss Embassy?)











Basic Partnership Approach: T-R-U-S-T

伙伴关系基本原则: -信任模式



- Transparent: dialogue on challenges/issues 透明:对话挑战/问题
- Reliable: consistency, quality 可靠: 一致性、质量
- Understanding: motivation, constraints 理解: 动力,局限
- Strategic & Systematic: focused 战略性& 系统行: 专注
- Timely: policy influence window opportunity, support for partners (org. individuals) for their work 及时: 政策影响的机会,对合作伙伴(机构/个人)的工作进行支持













www.cleanairinitiative.org

Yan Peng

Yan.peng@cai-asia.org

China Representative CAI-Asia Center China Program Office

Rm. 601B, AVIC Tower, No. 10B, Dong San Huan Zhong Lu Road, Chaoyang District, Beijing, 100022 Tel/fax: 86-10-65661650









