



ADDITIONAL MATERIALS AVAILABLE ON THE HEI WEBSITE

Special Report 22

Impacts of Shipping on Air Pollutant Emissions, Air Quality, and Health in the Yangtze River Delta and Shanghai, China

Zhang et al.

Additional Materials. China Workshop on Concentration–Response Functions

These Additional Materials were not formatted or edited by HEI.

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HEI Special Report 22, Zhang, Additional Materials, available on the HEI Website

China Workshop on Concentration Response Functions

Tsinghua University

School of Environment

Room 205

December 1, 2017

Time	Topic	Speaker
8:30	Welcome and Introductions	Hao Jiming
8:45	Background/Context – Why do we need to update the CRFs for BenMAP-CE?	Wang Shuxiao
9:15	Overview of Workshop goals, process and expected outcomes	Katy Walker
9:30	Selection of CRFs for BenMAP China – Past and Future; the U.S. EPA experience; overview of literature searches for this workshop	Scott Voorhees
9:45	Discussion: How would you adjust basic criteria for outcome and study inclusion?	Facilitators: Scott/Haidong Discussants: Zhu Tong/PKU, Shi Xiaoming/China CDC
10:15	Break	
10:30	Long term exposures/mortality: Origins and Use of Integrated Exposure Response Functions in the Global Burden of Disease Project - (PM) and Ozone. Implications for health impact assessment.	Katy Walker
10:35	Discussant: GBD IERs in the context of recent Chinese studies on long term PM2.5 and Ozone exposure and mortality	Discussants: Yin Peng/China CDC, Huang Wei/PKU, Wan Xia/PUMC
10:55	Open Discussion: What are the strengths/weaknesses of these studies for health impact assessment?	All participants Facilitators: Haidong/Katy
12:00	Lunch	
13:00	Role of Short term studies in Health Impact Assessment – Mortality for PM2.5 and Ozone; a role for multi-city studies	Kan Haidong
13:20	Discussant:	Discussants: Zhang Jinliang/CRAES, Li Guoxing/PKU, Shang Yu/SU
13:40	Open Discussion: Should multi-city studies be relied on for both national and regional assessments? When are single city studies appropriate?	Facilitators: Haidong/Katy
14:00	Importance of Short-term studies of Morbidity endpoints in HIA (Office visits; hospital admissions; ER visits): overview of recent literature	Kan Haidong
14:20	Discussants: Multiple topics	Discussants: Hu Yonghua or his team member/PKU, Li Tiantian/China CDC
15:00	Open discussion: What are the strengths/weaknesses of this type of outcomes for health impact assessment?	





清华大学
Tsinghua University



15:30	Break	
15:45	Open discussion (cont'd): What PM2.5 studies are most reliable?	All
16:15	Open discussion (cont'd): What Ozone studies are most reliable?	All
16:30	Discussion of research needs	All
17:00	Wrap up/Summary/next steps: Progress toward expected outcomes? For future, what additional pollutants should be evaluated? What is the role of multi-pollutant studies? Other?	Facilitators: Haidong/Scott/Katy
17:30	Adjourn	





**China Workshop on Concentration Response Functions
Tsinghua University
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List of Participants

Tsinghua University

Wang Shuxiao
Hao Jiming

FUDAN UNIVERSITY

Kan Haidong
Liu Cong

PEKING UNIVERSITY

Hu Yonghua (or his team member, PM2.5 short-term exposure and morbidity)
Zhu Tong
Huang Wei
Li Guoxing

CHINA CDC

Yin Peng
Shi Xiaoming
Li Tiantian

PEKING UNION MEDICAL COLLEGE

Wan Xia

CHINA RESEARCH ACADEMY OF ENVIRONMENTAL SCIENCES

Zhang Jinliang

SHANGHAI UNIVERSITY

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US ENVIRONMENTAL PROTECTION AGENCY

Scott Voorhees

HEALTH EFFECTS INSTITUTE

Katherine Walker

