

区域生态与环境效应国际研讨会

沙尘天气现象及其影响和减缓措施主题

International Workshop on Regional Ecology

and its Environmental Effect

--Dust storm, its impact and mitigation countermeasure

2006年12月3-5日，北京

3-5 Dec. 2006, Beijing



主办单位
Organized by

中国环境科学研究院
Chinese Research Academy
of Environmental Sciences



日本国立环境研究所
National Institute for
Environmental Studies



韩国国立环境科学院
National Institute of
Environmental Research



协办单位
Co-organized by

北京师范大学
Beijing Normal University



中日友好环境保护中心
Sino-Japan Friendship Center for
Environmental Protection



中国环境监测总站
China National Environmental
Monitoring Center



支持单位
Supported by

国家环境保护总局
SEPA

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International Workshop on Regional Ecology and its Environmental Effect

-Dust storm, its impact and mitigation countermeasure

报名表

REGISTRATION FORM

姓名 Name (pl print)		
职务/职称 Position		
单位 Organization		
地址 Address		
邮政编码 Post Code & Country		
电话 Tel		
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手机 Mobile phone		
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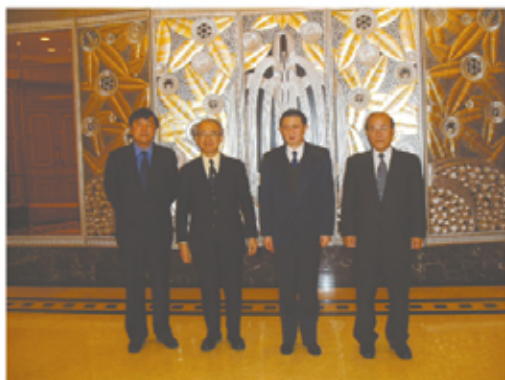
(或在此粘贴您的名片 or clip your business/name card here)

请在选项上划勾 Please choose the options below.

我将参加此次研讨会 I will attend this workshop

我将向研讨会提交论文 I will submit paper to this workshop

论文题目 Title of Paper _____



中日韩三国环境科学研究院院长 会议机制简介

Brief Introduction of Tripartite Presidents Meeting among CRAES, NIES and NIER

在国家环保总局的支持下，中国环境科学研究院与日本国立环境研究所（NIES）和韩国国立环境科学院（NIER）共同于2004年建立了中日韩三国环境科学研究院院长年度会议机制，全面交流、探讨三个机构如何在区域环境问题上共同发挥作用。

目前优先合作研究项目：

1. 淡水污染
2. 空气污染包括机动车排放源
3. 跨界空气污染
4. 沙尘暴
5. 危险物质污染如内分泌干扰素和持久有机污染物
6. 迁徙鸟类和湿地

详细信息请登陆中国环境科学研究院网站

<http://www.craes.cn/tpm/index.jsp>

Under the support of SEPA, Chinese Research Academy of Environmental Sciences (CRAES) together with National Institute for Environmental Studies (NIES) and National Institute of Environmental Research (NIER) set up jointly "Annual Tripartite Presidents Meeting System" in 2004. The main purpose is to communicate and probe into how the three institutes could cooperate with each other dealing with regional environmental problems.

Present Priority Cooperative Research Projects:

- 1.freshwater pollution
- 2.air pollution including vehicular sources
- 3.trans-boundary air pollution
- 4.yellow sand storm
- 5.hazardous materials contamination such as endocrine disrupting chemicals and POPs
- 6.migratory birds and wetlands

For more information, please go to CRAES's website:

<http://www.craes.cn/tpm/index.jsp>



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沙尘天气现象及其影响和减缓措施主题

International Workshop on Regional Ecology and its Environmental Effect

--Dust storm, its impact and mitigation countermeasure

第二轮会议通知

2006年12月3-5日，北京

3-5 Dec. 2006, Beijing

会议背景

沙尘暴天气是一个自然现象，其发生、发展在某种程度上既受到人类活动的影响，又反过来对人类生存环境产生不良影响。

沙尘天气的影响是多方面的，影响范围具区域性，甚至是全球性。沙尘天气使局地大气能见度下降，景观恶化、人体健康和生存环境受到巨大影响。起源于沙尘天气的沙尘气溶胶，特别是细颗粒的沙尘气溶胶，可以通过远距离输送形成大区域的大气环境问题。在输送中有物理、化学过程，形成复杂的二次污染物，其对全球气候、森林植被、海洋环境、农作物及人体健康的影响是目前科学家普遍关注和探讨的热点。

在中日韩三国环境科学研究院院长会议上院长们共同倡议以“区域生态与环境效应”为主题，召开沙尘天气现象及其影响和减缓措施专题学术研讨会。

此次研讨会将作为12月1日-3日在北京举办的第八届中日韩三国环境部长会议(TEMM8)的边会召开。

会议目的

交流在区域生态、荒漠化、沙尘暴现象等研究领域的科研成果；研讨改善区域生态环境、减缓沙尘天气影响的措施；探讨开展合作研究的可行性。

BACKGROUND

Dust storm is a natural phenomenon, whose occurrence and development is influenced by the human activity to some extent, while bringing bad impact on living environment of human beings. The impact of dust storm is diversified, with its influence scale ranged from local to global. Dust storm may reduce regional atmospheric visibility, induce landscape exacerbation, affect greatly both the health and living environment of human beings. The aerosol arising from dust storm, especially the fine particles may cause large-scale atmospheric environmental problems through long-range transportation, during which there are physical and chemical processes, forming complex secondary pollutants. Currently, the impact of dust storm on global climate, ocean environment, forest and other vegetations including crops as well as human health is the common attention and discussion hotspot of scientists all around the world.

It was proposed together by the presidents of NIER, NIES and CRAES in the Tripartite Presidents Meeting of the three environmental institutes this year that an international workshop themed on "Regional Ecology and its Environmental Effect" with special topic on dust storm, its impacts and mitigation countermeasure should be held in China.

The workshop will be held as the side-meeting of The 8th Tripartite Environment Ministers Meeting (TEMM8), which would be held in Beijing on Dec.1-3,2006.

OBJECTIVES

To communicate the latest research results in the fields of regional ecological desertification, dust storm events etc, to discuss the measures for enhancing regional ecological environment and mitigating dust storm impact, and to probe into the feasibility of jointed research in this field.

会议内容

阐述在气候变化和生态环境破坏影响下，沙尘天气的发生、发展机制，沙尘天气的影响，区域生态环境演变对沙尘天气的影响以及沙尘天气的监测等方面的最新进展，探讨改善和保育生态对减缓沙尘天气的作用等。会议主题包括：

沙尘现象的监测、演变和传输

围绕沙尘现象的发生、发展机制，历史演变趋势及其传输过程开展广泛的探讨，揭示沙尘的源区和影响区的特点，研讨监测沙尘天气的最新技术。

沙尘现象过程的模拟和预警

围绕数值模拟技术在沙尘天气中的应用，交流数值模拟技术在沙尘天气发生、发展、传输和影响以及沙尘预警等方面应用最新成果。

沙尘气溶胶的理化特征及转化

交流和探讨沙尘气溶胶在源区、影响区的理化特征，交流沙尘气溶胶在传输过程中的转化和二次污染物特征的研究成果。

区域生态变化对沙尘天气的影响

交流改善区域生态环境对减缓沙尘天气的影响，探讨典型沙尘源区和影响区区域生态环境的现状和演变趋势。

沙尘现象的环境影响及防治规划与技术对策

探讨和交流沙尘天气及沙尘气溶胶的影响，包括沙尘气溶胶对空气质量、太阳辐射、区域生态环境和人体健康等的影响。交流减缓和治理沙尘方面的经验、防治规划和技术对策。

会议语言

英文

相关费用

注册费：800元/人（学生：400元/人）

CONTENTS

Explaining the occurrence and development mechanism of dust storm and its impact under the influence of climate change and ecological environment degradation, and reviewing the latest achievement in monitoring of impact on dust storm events of regional ecological environment evolution, and discussing improving and caring ecology's effect on eliminating dust storm etc. The theme of the workshop includes:

The Evolvement, Transportation and Monitoring

Comprehensive discussion would be conducted centering on dust storm occurrence and development mechanism, historical evolvement trend and transportation process to reveal the features of dust source and affected areas, entering into the latest monitoring technology for dust events.

The Simulation and Forewarning

Communicating and centering on the latest results in application of numerical simulation technology in the occurrence, development, transportation of dust storm and its impacts, as well as the forewarning technique of dust events etc.

The Physical-Chemical Characteristic and its Transformation of Dust Aerosol

Communicating and discussing the physical-chemical characteristic of dust aerosol in the source area and affected area, together with the research results of dust aerosol transformation and its secondary pollutant's character during transportation.

Regional Ecological Change's Impact on Dust Storm

Communicating the impact of the improvement of regional ecological environment on mitigating dust storm and probing into the current status and evolvement trend of regional ecological environment in dust storm source area and affected area.

The Environmental Impact of Dust Events, its Prevention Planning and Technical Countermeasure

Communicating and discussing the impact of dust storm and dust aerosol, including the impacts of dust aerosol on air quality, solar radiation, regional ecological environment and human health etc. Exchange the experience, prevention planning and technical countermeasures of the mitigation and prevention of dust event.

LAUGUAGE

English

RELATIVE FEE

Registration Fee: 100 USD/Person
50 USD/Person for student

论文摘要征集

为了更好地交流，区域生态与环境效应国际研讨会组委会诚挚邀请您提交与会议相关的报告中英文摘要，会后将根据实际情况组织专刊。

会后美国土木工程协会《危险性、毒性和放射性废物管理实用期刊》将为会议的论文出一个专刊。

请提交论文摘要电子版

所有摘要提供WORD文本格式

交稿截止日期

2006年11月15日

联系方式

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会议地址

待定（将在第三轮通知公布）

住宿将由会议秘书处统一安排

会议组委会

主席

孟伟

联合主席

大塚柳太郎

尹成奎

史培军

委员会成员

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Jung Kwan Seo, 李国刚, Masataka NISHIKAWA,

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王业耀, 魏山峰, 张雨田

(以上委员会成员顺序均按姓氏字母顺序排列)

会议秘书长

张雨田

CALL FOR PAPERS

Submission of abstracts is now sincerely invited from AUTHORS for the International Workshop on Regional Ecology and its Environmental Effect.

Submissions, which fall within the workshop title, may be accepted.

The committee will consider about organizing to publish a proceeding after workshop

After the workshop, the paper would be published on workshop special proceedings issued by ASCE Practice Periodical of Hazardous, Toxic & Radioactive Waste Management.

IMPORTANT DATES

Abstract to be received: by 15 Nov. 2006

Conference dates: 3-5 Dec. 2006

Note: All abstracts will be subject to peer review, except for keynote and invited papers.

Please send your ABSTRACT electronically.

All papers should be of WORD text format.

Send or Fax the Registration Form below to

Address: International Cooperation Center, Chinese Research Academy of Environmental Sciences, No.8, Da Yang Fang, An Wai, Chao Yang Beijing, China

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E-mail: wujy@craes.org.cn, wuling@craes.org.cn

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WORKSHOP HALL

To be confirmed (will be noticed in the middle of October)

The accommodation will be arranged by the workshop secretariat.

WORKSHOP ORGANIZATION COMMITTEE

CHAIRMEN

Prof. Meng Wei

Co-CHAIRMEN

Prof. OHTSUKA Ryutaro,

Prof. YOON Seong-Kyu,

Prof. Shi Peijun

COMMITTEE COUNCIL

Prof. Chen Yanping, Dr. Hideyuki SHIMIZU, Dr. II Soo Park,

Dr. Jin Seok Han, Dr. Jung Kwan Seo, Prof. Li Guogang,

Dr. Masataka NISHIKAWA, Dr. Nobuo SUGIMOTO,

Rao Y. Surampalli, Dr. Takashi UEHIRO, Dr. Wang Yeyao,

Prof. Wei Shanfeng, Prof. Zhang Yutian

(The above committee council is listed according to the names' first letter alphabet order)

SECRETARY-GENERAL

Prof. Zhang Yutian