

中国地方应对气候变化政策
哈佛气候协议项目研讨会

SUBNATIONAL CLIMATE
CHANGE POLICY IN CHINA

A Research Workshop of the
Harvard Project on Climate Agreements

主办方：清华大学能源环境经济研究所
协办方：哈佛全球研究所

In Collaboration with and hosted by the
Institute of Energy, Environment, and Economy
Tsinghua University

With Support from the Harvard Global Institute



清华大学能源环境经济研究所
INSTITUTE of ENERGY, ENVIRONMENT and ECONOMY
TSINGHUA UNIVERSITY

Harvard Project on Climate Agreements

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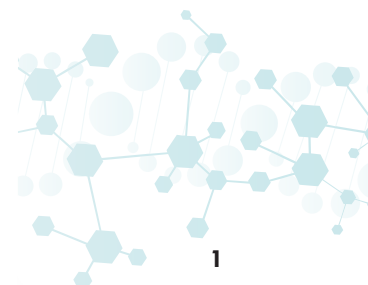
协办方：哈佛全球研究所

2019年7月18日至19日 周四-周五

清华大学

中国北京

议程



中国地方应对气候变化政策

背景和动机

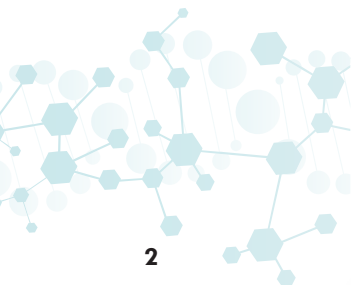
气候变化是全球共同面临的问题，要充分应对气候变化，就需要在最高管辖层进行合作，即开展各国政府间的国际合作。然而，国家及地方政府的独立行动也能一定程度减缓气候变化。目前，世界各省市都采取了减少温室气体排放的措施，有时还进行跨国合作，其中包括排放量最大的国家—中国、美国和印度—以及欧盟的司法管辖区。

本次研讨会将探讨中国地方应对气候变化的政策。主题包括中国各省市如何与中央政府合作以落实相关政策，以及这种合作所面临的挑战。与会者将重点关注中国国家碳定价体系的实施，包括如何将试点省市纳入国家体系，如何更广泛地发挥各省在国家碳定价体系中的作用。与会者还将讨论减少温室气体排放的其他地方政策方法。

本研讨会隶属哈佛气候协议项目，该项目旨在研究中国和印度应对气候变化的地方政策，并在可行范围内进行比较。值得一提的是，本次研讨会将对中国与印度、美国和加拿大的政策进行比较。

哈佛气候协议项目衷心地感谢清华大学能源环境经济所张希良教授共同发起并主办此次研讨会，同时还感谢哈佛全球研究所(HGI)对本项目的支持。HGI支持旨在深化哈佛国际参与度的科研项目并为其提供经费支持，以应对气候变化、移民和国际关系等紧迫全球挑战。HGI一直重点关注中国问题，并在近期开始重点研究印度问题。

哈佛气候协议项目成立于2007年，旨在探明并推进科学、经济及政治可行的应对全球气候变化的公共政策。借助世界各地的领先思想家，哈佛项目基于国际、国家和地方等层面，开展了关于气候变化政策的政策架构、关键设计元素及制度的研究。



中国地方应对气候变化政策
哈佛气候协议项目研讨会
主办方：清华大学能源环境经济研究所
协办方：哈佛全球研究所
2019年7月18日至19日 周四至周五
清华大学
中国北京
议程

研讨会地点：

文津大酒店四楼寿山厅，
北京市海淀区成府路清华科技园，毗邻清华

7月18日（星期四）

上午

10: 30 – 11: 10

欢迎致辞

蒋兆理

生态与环境部气候变化司副司长

Robert STAVINS

哈佛气候协议项目主任

何建坤

国家气候变化专家委员会副主任

11: 10 – 11: 50

中国气候变化政策现状研究

全国碳定价体系

张希良

泛气候变化政策及相关环境能源政策

齐晔

11: 50 – 12: 10

提问/回应

蒋兆理

张建宇

12: 10 – 12: 45

讨论

中午

12: 45 – 13: 45

午餐

下午

13: 45 – 14: 45

中国应对气候变化的地方政策及相关环境能源政策展望

Michael DAVIDSON

齐绍洲

谭显春

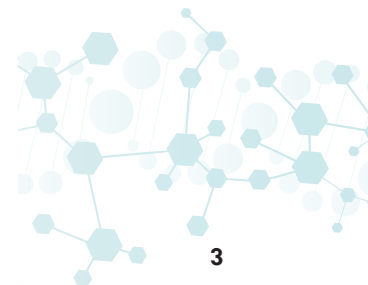
Christine WONG

14: 45 - 15: 15

讨论

15: 15 - 15: 45

休息



15: 45 - 16: 30 **比较背景下应对气候变化的地方政策**

印度: Radhika KHOSLA

加拿大: Katie SULLIVAN

美国: Robert STAVINS

16: 30 - 16: 50 **提问/回应**

柴麒敏

滕飞

16: 50 - 17: 30 **讨论**

晚上

18: 30 - 20: 30 **接待晚宴**

环境保护基金中国项目主办

1911 Restaurant

2d floor, Sohu.com internet plaza

Walking directions and map will be
provided at the workshop

7月19日 (星期五)

上午

中国国家碳定价体系中的中央-省级关系

9: 00 - 9: 30 **国家碳定价体系与试点省市的整合**

Valerie KARPLUS

MEI Dewen

9: 30 - 10: 00 **国家碳定价体系的地方实施路径: 挑战和机遇**

Gørild HEGGELUND

WU Libo

10: 00 - 10:20 **提问/回应**

TIAN Qi

ZENG Xuelan

10: 20 - 10: 50 **休息**

10: 50 - 11: 45 **讨论**

11: 45 - 12: 00 **内部讨论及后续研究安排**

Robert STAVINS

张希良

中午

12: 00 - 14: 00 **午餐 (可选)**

SUBNATIONAL CLIMATE CHANGE POLICY IN CHINA

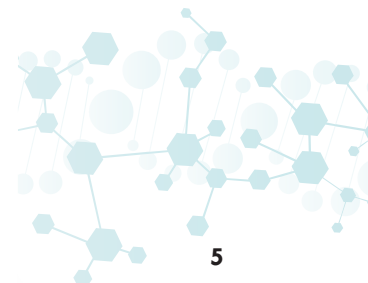
A Research Workshop of the Harvard Project on Climate Agreements

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With Support from the Harvard Global Institute

Thursday - Friday, July 18 – 19, 2019
Tsinghua University, Beijing, China

Agenda



SUBNATIONAL CLIMATE CHANGE POLICY IN CHINA

BACKGROUND AND MOTIVATION

Climate change is a global commons problem and, as such, requires cooperation at the highest jurisdictional level – that is, international cooperation among national governments – if it is to be adequately addressed. However, national governments acting independently, as well as subnational governments, can also significantly advance efforts to mitigate climate change. Provinces and municipalities around the world have undertaken initiatives – sometimes working together across national boundaries – to reduce greenhouse-gas emissions. This includes jurisdictions in the largest-emitting countries – China, the United States, and India – as well as in the European Union.

This workshop will examine subnational climate-change policy in China. For the purpose of these discussions, the topic includes how Chinese provinces and municipalities work with the central government to implement policy – and challenges to such cooperation. Participants will focus to a considerable degree on the implementation of China’s national carbon-pricing system, including approaches to integrating the pilot programs into the national system and the role of provinces in implementation more generally. Participants will also address subnational dimensions of other policy approaches to reducing greenhouse-gas emissions.

This workshop is part of larger initiative of the Harvard Project on Climate Agreements examining – and, to the extent feasible, comparing – subnational climate-change policy in China and India. Indeed, there will be one session in this workshop comparing China with India, as well as with the United States and Canada.

The Harvard Project on Climate Agreements is grateful to Tsinghua University’s Institute of Energy, Environment, and Economy, directed by Professor Zhang Xiliang, for co-sponsoring and hosting this workshop. The Harvard Project is also grateful to the Harvard Global Institute (HGI) for support for the broader initiative. HGI supports research initiatives that deepen Harvard’s international engagement and promote scholarship to address pressing global challenges, such as climate change, migration, and transnational relations. HGI’s geographical focus has been on China and, more recently, India.

The Harvard Project on Climate Agreements, established in 2007, seeks to identify and advance scientifically sound, economically sensible, and politically pragmatic public policy options for addressing global climate change. Drawing upon leading thinkers from around the world, the Harvard Project conducts research on policy architecture, key design elements, and institutional dimensions of international, national, and subnational climate-change policy.

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AGENDA

Location of all workshop sessions:

Wenjin Hotel, Fourth Floor, Shoushan Room,
Tsinghua Science Park, Chengfu Road, Haidian District, Beijing
Adjacent to the South Gate of Tsinghua University

Thursday, July 18

10:30 – 11:10 am **Welcome, framing, and self-introductions**

JIANG Zhaoli

Deputy Director General, Climate Change Department,
Ministry of Ecology and Environment

Robert STAVINS

Director, Harvard Project on Climate Agreements

HE Jiankun

Deputy Director, National Experts Committee on Climate Change

11:10 – 11:50 am **Status update on climate-change policy in China**

National carbon pricing system:

ZHANG Xiliang

Broader climate-change policy – and related environmental and energy policy:

QI Ye

11:50 am – 12:10 pm **Responses**

JIANG Zhaoli

ZHANG Jianyu

12:10 – 12:45 pm **Discussion**

12:45 – 1:45 pm **Lunch**



1:45 – 2:45 pm **Perspectives on subnational climate-change policy – and related environmental and energy policy – in China**

Michael DAVIDSON

QI Shaozhou

TAN Xianchun

Christine WONG

2:45 – 3:15 pm **Discussion**

3:15 – 3:45 pm **Break**

3:45 – 4:30 pm **Subnational climate change policy in comparative context**

India: Radhika KHOSLA

Canada: Katie SULLIVAN

United States: Robert STAVINS

4:30 – 4:50 PM **Responses**

CHAI Qimin

TENG Fei

4:50 – 5:30 pm **Discussion**

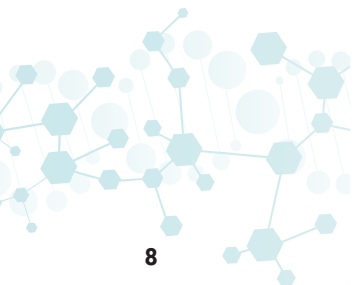
6:30 – 8:30 pm **Reception and dinner**

Hosted by the Environmental Defense Fund China Program

1911 Restaurant

2d floor, Sohu.com internet plaza

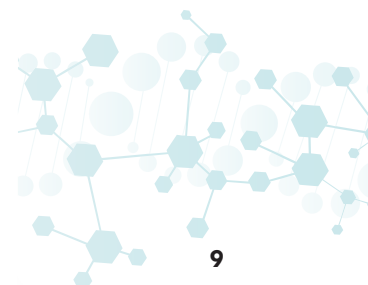
Walking directions and map will be provided at the workshop



Friday, July 19
Tsinghua University

Central-provincial relations in China's national carbon-pricing system

- | | |
|----------------------------|---|
| 9:00 – 9:30 am | Integration of national system with provincial/municipal pilots
Valerie KARPLUS
MEI Dewen |
| 9:30 – 10:00 am | Subnational implementation pathways for the national pricing system:
Challenges and opportunities
Gørild HEGGELUND
WU Libo |
| 10:00 – 10:20 am | Responses
TIAN Qi
ZENG Xuelan |
| 10:20 – 10:50 am | Break |
| 10:50 – 11:45 am | Discussion |
| 11:45 am – 12:00 pm | Closing observations, discussion, and next steps
Robert STAVINS
ZHANG Xiliang |
| 12:00 – 14:00 pm | Optional Lunch |



SUBNATIONAL CLIMATE CHANGE POLICY IN CHINA

PARTICIPANTS

CHAI Qimin 柴麒敏

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National Center for Climate Change Strategy and International
Cooperation
Ministry of Ecology and Environment

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Post-Doctoral Research Fellow
Harvard Kennedy School

HE Jiankun 何建坤

Deputy Director
National Experts Committee of Climate Change

Gørild HEGGELUND

Senior Research Fellow
Fridtjof Nansen Institute

JIANG Zhaoli 蒋兆理

Deputy Director General
Climate Change Department
Ministry of Ecology and Environment

Valerie KARPLUS

Class of 1943 Career Development Assistant Professor of
Global Economics and Management
MIT Sloan School of Management

Nathaniel KEOHANE

Senior Vice President, Climate
Environmental Defense Fund

Radhika KHOSLA

Research Director
Oxford India Centre for Sustainable Development, Somerville
College
University of Oxford

MEI Dewen 梅德文

President
China Beijing Environment Exchange

QI Shaozhou 齐绍洲

Professor, Department of World Economy
Economics and Management School
Wuhan University

QI Ye 齐晔

Cheung Kong Professor of Environmental Policy and Management
School of Public Policy and Management
Tsinghua University

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Director, Harvard Project on Climate Agreements
A.J. Meyer Professor of Energy and Economic Development
Harvard Kennedy School

Robert STOWE

Co-Director
Harvard Project on Climate Agreements

Katie SULLIVAN

Managing Director
International Emissions Trading Association

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Chinese Academy of Sciences

TENG Fei 滕飞

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Institute of Science and Development
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University of Melbourne

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Director of Guangdong Research Center for Climate Change
Ministry of Ecology and Environment

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Vice President, China
Environmental Defense Fund

ZHANG Xiliang 张希良

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Director, Institute of Energy, Environment, and Economy
Tsinghua University

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Associate Professor, Institute of Energy, Environment and Economy
Deputy Director, China Carbon Market Center
Tsinghua University



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