

## **ChiNorBC project**

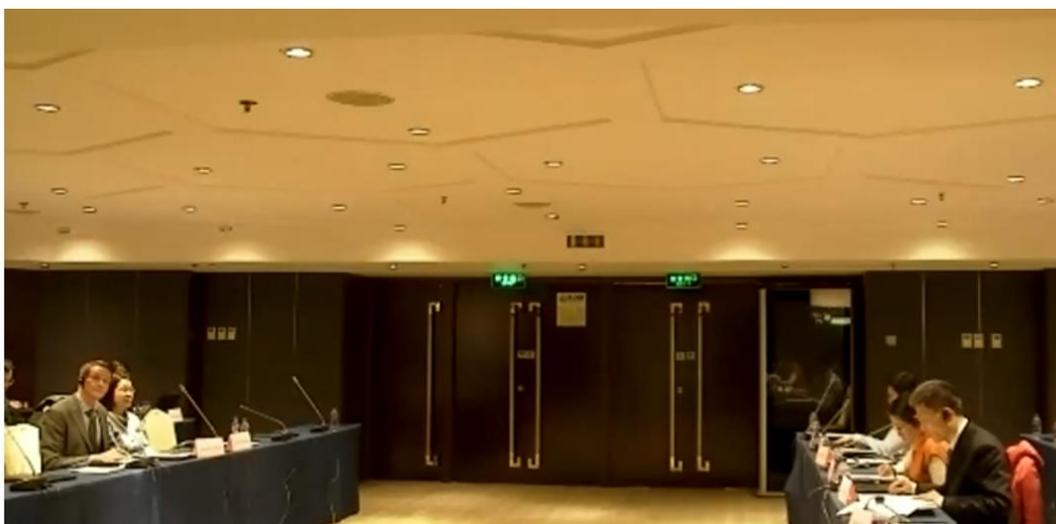
### **Kick-off meeting Summary**

The kick-off meeting of the "Chinese-Norwegian Project on Emission, Impact, and Control Policy for Black Carbon and its Co-benefits in Northern China (ChiNorBC)" was held in Beijing and virtually on zoom on 9<sup>th</sup> December 2020. Leaders and project experts from the Department of International Cooperation and the Department of Atmosphere Environment of the Chinese Ministry of Ecology and Environment (MEE), the Norwegian Ministry of Climate and Environment (MCE), the Norwegian Embassy in Beijing, the Chinese Academy of Environmental Sciences (CRAES), the Norwegian Environment Agency (NEA), Chinese Academy for Environmental Planning (CAEP), Center for International Climate Research (CICERO) and Norwegian Institute of Public Health (NIPH) attended the meeting and delivered the speech (See the attached meeting agenda).

CRAES and NEA are implementing agencies of the ChiNorBC-Project, while CAEP, NIPH and CICERO are the collaborators of the project.

At the meeting, the project leader and the main output leaders introduced the scientific background of the project as well as the objectives and plans of the project and discussed and exchanged the research progress of each output. The kick-off meeting was followed by the technical workshop on black carbon emissions and synergistic control. In addition to the Chinese and Norwegian experts, invited experts from Tsinghua University and the International Institute for Systems Research (IIASA) discussed black carbon emissions, mobile source control, modelling, health and climate impacts and air pollution control and made suggestions for the implementation of the project and further collaborative research.

Controlling black carbon pollution has the synergistic effect of improving air quality and mitigating climate change, the European experience will be useful for China to conduct corresponding scientific and policy research. International collaborative research between China and Norway on black carbon emissions, science and control policies will be useful for the current air pollution control program and climate change response that China is undertaking and will further deepen Sino-Norwegian cooperation in the climate and environmental field.





# Chinese-Norwegian Project on Emission, Impact, and Control Policy for Black Carbon and its Co-benefits in Northern China (ChiNorBC)

## Kick-off Meeting Agenda

Date: Wednesday 9th December 2020

Venue: Grand Skylight Catic Hotel Beijing / NEA Helsefyr / Zoom w/translation

(Zoom Meeting ID:820 3545 9789 Password:123456)

<https://zoom.com.cn/j/82035459789?pwd=bWx2SjltN0FEU2tzSVFhVzI3Zloydz09>

Time (Beijing time / Oslo time)	Content	Speaker
<b>Part 1: Kick-off meeting 15:30-17:25(CST)/8:30-10:25(CET)</b>		
<b>Moderator: Meng Fan, CRAES</b>		
15:30-16:00 / 08:30-09:00	Opening remarks	Dep. International Cooperation, MEE, China
		Mrs. Nina Christine Rør, Deputy Director General, Norwegian Ministry of Climate and Environment (KLD)
		Mr. Christoffer Grønstad, Counsellor Environment, Royal Norwegian Embassy, Beijing
		Ms. Li Yang, Dep. Atmospheric Environment, MEE, China
		Dep. Climate Change, MEE, China
<b>Moderator: Christoffer Grønstad, MFA</b>		
16:00-16:20 / 09:00-09:20	Introduction of BC Project	Dr. Vigdis Vestreng, Senior Adviser, Norwegian Environment Agency (NEA) and Prof. Meng Fan, Deputy Chief Engineer, Chinese Research Academy of Environmental Sciences (CRAES)

<b>Time (Beijing time / Oslo time)</b>	<b>Content</b>	<b>Speaker</b>
16:20-16:30 / 09:20-09:30	Status on BC Pollution Control in China	Dr. Lei Yu, CAEP/Miao Miao Cheng CRAES
<b>Moderator: Christoffer Grønstad, MFA</b>		
16:30-16:40 / 09:30-09:40	Norwegian policies and measures and international experiences	Dr. Vigdis Vestreng, Senior Adviser, Norwegian Environment Agency (NEA) and Mrs. Ragnhild Marie Falkenberg Valstad, Senior Adviser, Norwegian Ministry of Climate and Environment (KLD)
16:40-17:00 / 09:40-10:00	Presentations by Chinese and Norwegian side on different thematic areas of the project.	16:40-16:45, Emissions. Prof. Zhi Guorui, CRAES  16:45-16:50, Health. Prof. Wei Yongjie, CRAES and Dr. Marit Låg, Norwegian Institute of Public Health (NIPH)  16:50-16:55, Climate. Dr. Marianne Tronstad Lund, Center for International Climate Research (CICERO) / Du Xiaohui, CRAES  16:55-17:00, Scenarios. Dr.Lei Yu,CAEP
17:00-17:10 / 10:00-10:10	Concluding remarks	Mrs. Siri Sorteberg, Director of the Climate Department, Norwegian Environment Agency.  Mr.Jiang Hua,Vice President,Chinese Research Academy of Environmental Sciences (CRAES)
17:10-17:25 / 10:10-10:25	Coffee Break	
<b>Part 2: Technical workshop on emission inventories for China and co-benefits of black carbon mitigation</b>  Time: 17:25-19:30 / 10:25-12:30		

Time (Beijing time / Oslo time)	Content	Speaker
<b>Part 2: Technical workshop on emission inventories for China and co-benefits of black carbon mitigation</b>		
<b>Moderator: Vigdis Vestreng, Time keeper: Tor Skudal (NEA), Rapporteur: CRAES</b>		
17:30-19:10/ 10:30-12:10	Perspectives on emission inventories for China and co-benefits of black carbon mitigation	<p><b>17:25-17:30</b>, Welcome and purpose of WS. Dr. Vigdis Vestreng, NEA  <b>17:30-17:50</b>, Black carbon emissions in China – opportunities for mitigation and co-benefits. Mr. Zbigniew Klimont, Senior Researcher, IIASA  <b>17:50-18:10</b>, Anthropogenic emission trend of black carbon in China. Dr. Xing Jia, Tsinghua University  <b>18:10-18:25</b>, Asian air pollution levels simulated with the CEDS and ECLIPSEv6 emission inventories”. Dr. Marianne Tronstad Lund, Senior Researcher, CICERO  <b>18:25-18:40</b>, Estimates of health impacts of air pollution in China in the ECLIPSEv6 scenarios, Dr. Shilpa Rao, Senior Researcher, NIPH  <b>18:40-18:55</b>: On the UNEP-China SLCPs report. Prof. Zhi Guorui, CRAES  <b>18:55-19:10</b>, Diesel engine/vehicle emission prevention and control in China. Prof. Wang Yanjun, CRAES</p>
19:10-19:30 / 12:10-12:30	Discussion and summing up	Vigdis Vestreng, NEA / Meng Fan, CRAES
	Dinner	

## **List of participants:**

### **Ministry of Ecology and Environment (MEE)**

1. Department of International Cooperation
2. Department of Atmospheric Environment
3. Department of Climate Change

### **Chinese Research Academy of Environmental Sciences (CRAES)**

4. Jiang Hua, Vice President
5. Meng Fan, Deputy Chief Engineer
6. Hu Jingnan, Institute of Atmospheric Environment
7. Zhang Mengheng, International Cooperation Center
8. Zhi Guorui, Institute of Atmospheric Environment
9. Xu Ju, Institute of Atmospheric Environment
10. Cheng Miaomiao, Institute of Atmospheric Environment
11. Tang Wei, Institute of Atmospheric Environment
12. Wei Yongjie, State Key Laboratory of Environmental Criteria and Risk Assessment
13. Wang Yanjun, Vehicle Emission Control Center
14. Zhu Xiaoyan, Institute of Atmospheric Environment
15. Jin Wenjing, Institute of Atmospheric Environment
16. Li Zhigang, State Key Laboratory of Environmental Criteria and Risk Assessment
17. Zhu Xiaojing, State Key Laboratory of Environmental Criteria and Risk Assessment
18. Du Xiaohui, Institute of Atmospheric Environment

### **Chinese Academy for Environmental Planning (CAEP)**

19. Lei Yu, Institute of Atmospheric Environment
20. Wang Xuying, Institute of Atmospheric Environment

### **Tsinghua University**

21. Xing Jia

**Norwegian Ministry of Climate and Environment (KLD)**

1. Nina Christine Rør, Deputy Director General
2. Ragnhild Marie Falkenberg Valstad, Senior Adviser
3. Gard Lindseth, Senior Adviser

**Royal Norwegian Embassy, Beijing**

4. Christoffer Grønstad, Counsellor Environment
5. Liu Yinglang

**Norwegian Environment Agency (NEA)**

6. Siri Sorteberg, Director of the Climate Department,
7. André Kammerud, Head of section for the High North and Bilateral Relations
8. Camilla Schreiner, Head of section for Climate Science
9. Nina Holmengen, Head of section for Emission Inventories and Analysis
10. Scott Randal, Senior Adviser, Section for Transport and Air Quality
11. Katrine Engja Stake, Adviser, Communication Department
12. Tor Skudal, Senior Adviser, Section for the High North and Bilateral Relations
13. Vigdis Vestreng, Senior Adviser, Section for Climate Science

**Center for International Climate Research (CICERO)**

14. Marianne Tronstad Lund, Senior Researcher

**Norwegian Institute of Public Health (NIPH)**

15. Shilpa Rao-Skirbekk, Senior researcher
16. Per Everhard Schwarze, Scientist
17. Marit Låg, Senior Scientist

**International Institute for Applied Systems Analysis (IIASA)**

18. Zbigniew Klimont, Senior Researcher