

Summary of the 18th Meeting of the Working Group II for Joint Research on Dust and Sand Storms among China, Japan and Korea

Nov.5-6, 2025 | Beijing, China

1. The 18th meeting of the Working Group II (WG II) on Dust and Sand Storms (DSS) among China, Japan and Korea was held in Beijing of China on Nov.5-6, 2025. Representatives from the three countries participated in the meeting. Three participants from Mongolia were invited to attend the meeting as the observers under the “3+X” framework (see Annex I: Participants List and Annex II: Agenda).
2. On Nov.5, 2025, in the Opening Session, Deputy Director XIAO Nengwen from the Institute of Ecology, Chinese Research Academy of Environmental Sciences (CRAES) warmly welcomed all participants in person and online to attend the 18th WG II meeting.
3. In the Session II, five invited reports were presented: 1) a planning framework of the native seed standards for Desertification Prevention in Mongolia by Dr. HONG Sunhee from Hankyong National University, 2) a newly launched DSS research project in Japan, a co-research activities between WG I and WG II toward DSS source control by Dr. KUROSAKI Yasunori, Tottori University, 3) the dynamic changes of DSS in the Yellow River and Investigation on DSS sources in China-Mongolia Adjacent Areas by Dr. DIAO Zhaoyan and Ms. QU Zhixin from CRAES, 4) the DS monitoring and latest research in Mongolia by Dr. MUNKHBAT Byamba-Ochir from Information and Research Institute of Meteorology, Hydrology and Environment of Mongolia, 5) an integrated assessment of soil quality and rangeland health in Kharkhorin Souem, Mongolia by Dr. Sodgerel Purevee from Mongolian Agricultural University.
4. In the Session III, Dr.MUN Saeromi (National Institute of Ecology of South Korea) reviewed the implementation of Mid-term Action Plan (2020-2024) ,Dr. SATO Keiichi (Asia Center for Air Pollution Research) introduced the achievements of the collaboration of WG I and Work WG II and Dr. WANG Chunyuan (CRAES) reported the good practices of desertification control and DSS mitigation. The three sides agreed to send the supplement or revise the relevant information for the respective leading parties by December 20th and ensure the final versions will be completed by the end of December this year.
5. In the Session IV, the next Mid-Term Action Plan (2026-2030) (MTAP) was introduced by Dr. LIU Bo (CRAES), and formed the final version after the depth discussion of three sides.
6. In Session V, the three countries jointly discussed the plan for the next DSS WG II meeting and agreed to the proposal from Mongolia, supported by Japan to hold the meeting in Ulaanbaatar.
7. Finally, the representatives of the Ministry of Climate, Energy, and Environment of South Korea, the Ministry of the Environment of Japan, and the Ministry of Ecology and Environment of China delivered their closing remarks, respectively.
8. Representatives from various countries highly affirmed the work of the second working group and expressed sincere gratitude to the Chinese side for their efforts in organizing this meeting and the achievements attained.

Annex I: Participants List

Group	Name(Last, First)	Position	Organization	Attendance Type
Japan	Mr. IZUMI, Tomoyuki	Director	Ministry of the Environment	On-line
	Ms. YASUDA, Yumi	Deputy Director	Ministry of the Environment	In-Person
	Ms. KOTANI, Ayano	Technical Officer	Ministry of the Environment	On-line
	Mr. YAMADA, Katsuyuki	Deputy Director	Ministry of the Environment	On-line
	Mr. YOSHIMOTO, Takatoshi	Deputy Director	Ministry of the Environment	On-line
	Ms. ITO, Yurika	Section Chief	Ministry of the Environment	On-line
	Dr. OKURO, Toshiya	Professor	The University of Tokyo	On-line
	Dr. KUROSAKI, Yasunori	Professor	Tottori University	On-line
	Dr. MIKI, Naoko	Professor	Okayama University	On-line
	Dr. YOSHIKAWA, Ken	Professor Emeritus	Okayama University	On-line
	Dr. SATO, Keiichi	Department Head	Japan Secretariate (Asia Center for Air Pollution Research)	In-Person
Mr. NAMBA, Yuta	Senior Researcher	Japan Secretariate (Asia Center for Air Pollution Research)	In-Person	
Korea	Mr. HYUN, Se-hwan	Deputy Director	Ministry of Environment	On-line
	Mr. KIM, Jin-gyu	Officer	Ministry of Environment	On-line
	Dr. MUN, Saeromi	Associate Researcher	National Institute of Ecology	In-Person
	Dr. HONG, Sunhee	Professor	Hankyong National University	In-Person
	Dr. LEE, Yongho	Researcher	Hankyong National University	In-Person
	Ms. KIM, Dukyeop	Researcher	National Institute of Ecology	On-line
	Ms. YOOK, Jungmin	Officer	Korea-China Environmental Cooperation Center	In-Person
Mongolia	Dr. MUNKHBAT, Byamba-Ochir	Researcher	Information and Research Institute of Meteorology, Hydrology and Environment of Mongolia	In-Person
	Dr. SODGEREL, Purevee	Professor	Mongolian Agricultural University	On-line
	Dr. NANDINTSETSEG, Davaapurev	Professor	Mongolian Agricultural University	On-line
China	Ms. XIE, Xuesong	Associate Researcher	Chinese Research Academy of Environmental Sciences	In-Person
	Ms. YAN, Lina	Project Officer	Chinese Research Academy of Environmental Sciences	In-Person
	Ms. JIN, Wenying	Project Officer	Chinese Research Academy of Environmental Sciences	In-Person
	Ms. YAN, Manyu	Project Officer	Chinese Research Academy of Environmental Sciences	In-Person
	Mr. XIAO, Nengwen	Deputy Director	Chinese Research Academy of Environmental Sciences	In-Person

	Dr.	LYU, Shihai	Chief Researcher	Chinese Research Academy of Environmental Sciences	In-Person
	Dr.	ZHENG, Zhirong	Associate Professor	Chinese Research Academy of Environmental Sciences	In-Person
	Dr.	DIAO, Zhaoyan	Senior Engineer	Chinese Research Academy of Environmental Sciences	In-Person
	Dr.	LIU,Bo	Associate Professor	Chinese Research Academy of Environmental Sciences	In-Person
	Dr.	WANG,Chunyuan	Postdoctoral Fellow	Chinese Research Academy of Environmental Sciences	In-Person
	Dr.	ZHAO, Yilin	Senior Engineer	China National Environmental Monitoring Centre	In-Person
	Ms.	QU, Zhixin	Master's student	Chinese Research Academy of Environmental Sciences	In-Person
	Ms.	ZHAO, Ruiting	Master's student	Chinese Research Academy of Environmental Sciences	In-Person
	Mr.	YANG, Yulu	Master's student	Chinese Research Academy of Environmental Sciences	In-Person

Annex II: Agenda

The 18th Meeting of Working Group (II) for Joint Research on Dust and Sand Storms (DSS) among China, Japan and Korea

Date: November, 5th (Wednesday), 2025

Time: 09:00-17:00 (UTC+8); 10:00-18:00 (UTC+9)

Host: Chinese Research Academy of Environmental Sciences (CRAES)

Venue: Multi-functional hall, 3rd Floor, Beiyuan Grand Hotel, Beijing, China

Webex link:

<https://japanenvironmentalsanitationcenter.my.webex.com/japanenvironmentalsanitationcenter.my-en/j.php?MTID=m6332ede78bfd8b00f401dd7b3a14f66c>

Meeting number: 2518 026 1771

Password: YXyvE9CyZ45

Language: English

[DAY 1] November 5th (Wednesday)

Session I	Opening <i>Chair: Dr. LYU Shihai, Chief Scientist, Institute of Ecology, CRAES</i>
09:00-09:10	Opening Remarks (3') <i>-XIAO Nengwen, Vice Director, Institute of Ecology, CRAES</i> Introduction of Participants (2') Adoption of the Agenda (1') Group Photo (4')
Session II	Latest Research on DSS Related Subjects <i>Chair: Dr. YOSHIKAWA Ken, Okayama University [Japan]</i> <i>Note: Each presentation includes 5 min Q&A time</i>
09:10-09:30	Presentation-1 (Korea) Native Seed Standards for Desertification Prevention in Mongolia: A Planning Framework <i>-Dr. HONG Sunhee, Hankyong National University</i>
09:30-09:50	Presentation-2 (Japan) Newly launched DSS research project in Japan: Co-research activities between WGI and WGII toward DSS source control <i>-Dr. KUROSAKI Yasunori, Tottori University</i>
09:50-10:10	Presentation-3 (China) Dynamic Changes of DSS in the Yellow River and Investigation on DSS Sources in China-Mongolia Adjacent Areas

	-Dr. DIAO Zhaoyan, CRAES -Ms. QU, Zhixin, CRAES
10:10-10:30	Presentation-4 (Mongolia) DS monitoring and latest research in Mongolia -Dr. MUNKHBAT Byamba-Ochir, Information and Research Institute of Meteorology, Hydrology and Environment of Mongolia
10:30-10:50	Presentation-5 (Mongolia) Integrated Assessment of Soil Quality and Rangeland Health in Kharkhorin Soum, Mongolia -Dr. Sodgerel Purevee, Mongolian Agricultural University
10:50-11:15	BREAK
Session III	Review on Implementation of MTAP 2020-2024 Chair: Dr. MUN Saeromi, National Institute of Ecology [Korea]
11:15-12:00	- Review of MTAP 2020-2024 <Korea (15')> Dr. MUN Saeromi, National Institute of Ecology - Collaboration of Group I and Group II <Japan (15')> Dr. SATO Keiichi, Japan Secretariat of WGII - Good practices of desertification control and DSS mitigation Dr. WANG Chunyuan, CRAES <China (15')>
12:00-13:30	Lunch
Session IV	NEXT Mid-Term Action Plan (2026-2030) Chair: Dr. ZHENG Zhirong CRAES [China]
14:00-16:00	- Next Mid-Term Action Plan Dr. LIU Bo, CRAES - <i>Comments (Japan, Korea, China)</i>
Session V	Closing Chair: Dr. ZHENG Zhirong, CRAES [China]
16:00-16:10	Plan of the next DSS WG II meeting Ms. YASUDA Yumi, Ministry of the Environment, Japan [Japan]
16:10-16:30	Closing Remarks - Ministry of Climate, Energy, and Environment (MCEE), Korea - Ministry of the Environment (MOE), Japan - Ministry of Ecology and Environment (MEE), China
18:00-20:00	Dinner Reception

[DAY 12] November 6th (Thursday)

09:00-10:00 Visit the Supersite for Urban Air Comprehensive Observation and Research

10:00-10:30 Visit the China-Korea Joint Environmental Research Laboratory

10:30-11:00 Visit the National Engineering Laboratory for Lake Water Pollution Control and Ecological Restoration