China–Mongolia–Japan Joint Workshop on Aeolian Desertification
June 20–21, 2024, Tottori University, Japan

	Day 1: June 20, 2024 / Multipurpose Room, IPDRE		
10:00-10:30	**Registration**		
10:30-	**Opening**		*Chaired by* B. Nandintsetseg
10:30-10:35	A. Tsunekawa (Deputy Director, IPDRE, Japan)		
10:35-10:40	T. Wang (Professor, NIEER, China)		
10:40-10:45	D. Battogtokh (Director General, MES, Mongolia) (**online**)		
10:45-10:50	Y. Kurosaki (Professor, IPDRE, Japan)		
10:50-10:55	**Group photo**		
10:55-	**№**	**Session 1: Outlines of aeolian desertification research in China and Mongolia & its international research**	*Chaired by* B. Nandintsetseg
10:55-11:15	1	State of combating desertification in Mongolia	A. Khaulanbyek (IGG)
11:15-11:35	2	A preliminarily study on combating aeolian desertification in Mongolia from the cooperative project between China and Mongolia	T. Wang (NIEER)
11:35-11:55	3	IRIMHE-Tottori University collaborative research on aeolian desertification utilizing the Tsogt-Ovoo dust monitoring site observations	Y. Kurosaki (IPDRE)
11:55-12:15		Discussion	
12:15-13:40		***Lunch***	
13:40-		**Session 2: Aeolian desertification research in China**	*Chaired by* T. Wang
13:40-14:00	4	Responses of ecosystems to coal mining and ecological restoration strategy in arid regions of China	W. Liu (NIEER)
14:00-		**Session 3: Collaborative research between China, Mongolia and other nations**	*Chaired by* T. Wang
14:00-14:20	5	Establishing a Transnational and Interdisciplinary platform in response to sand and dust storm disasters originating in the Mongolian Plateau	X. Xue (NIEER)
14:20-14:40	6	Reflections and approaches on international cooperation between China, Japan, Mongolia, and the United States on desertification and sandstorms	J. Liao (NIEER)
14:40-15:00		Discussion	
15:00-15:20		***Tea break***	
15:20-		**Session 4: Aeolian desertification research in Mongolia**	*Chaired by* B. Nandintsetseg
15:20-15:40	7	Rangeland health monitoring and degradation analysis over Mongolia	Ts. Bat-Oyun (IRIMHE)
15:40-		**Session 5: Climate change and human impacts on desertification**	*Chaired by* Y. Kurosaki
15:40-16:00	8	Effect of climate change on natural components in Mongolia	B. Odsuren (IGG)
16:00-16:20	9	Future climate change risk to the eastern Eurasian drylands	B. Nandintsetseg (IPDRE)
16:20-16:40		Discussion	
18:00-21:00		***Reception and networking***	

		Day 2: June 21, 2024 / Multipurpose Room, IPDRE	
09:30-	**№**	**Session 6: Impacts of dust including in the downwind area**	*Chaired by* T. Wang
09:30-09:50	10	Mongolian sand and dust storms' impacts on Asia-Pacific environmental security (**Online**)	J. Scott Hauger (CES)
09:50-10:10		Discussion	
10:10-		**Session 7: Collaborative research between Mongolia-Japan**	*Chaired by* Y. Kurosaki
10:10-10:30	11	Research-based monitoring technique and system for aeolian desertification: Sand transport flux in the northern part of the Gobi Desert	B. Buyantogtokh (IRIMHE)
10:30-10:50	12	Estimation of dead vegetation coverage using satellite data based on field surveys	J. Wu (IPDRE)
10:50-11:10		***Tea break***	
11:10-11:30	13	Monitoring and assessment of vegetation cover and sand saltation in DSS source areas-Introduction of joint research activities under TEMM + Mongolia	T. Okuro (TUT)
11:30-11:50	14	Installation of the dead vegetation effect into the numerical dust model and improvement of the model accuracy	K. Kong (RIKEN-CCS)
11:50-12:10		Discussion	
12:10-		**Closing**	*Chaired by* Y. Kurosaki
12:10-12:15		M. Tsubo (Assistant director to the Deputy Director, IPDRE, Japan)	
12:15-14:00		***Lunch***	
14:00-17:00		**Extra discussion (Closed)**	
18:00-20:00		***Banquet***	

Abbreviations:

CES: Climate and Environmental Security, LLC, United States of America
IPDRE: International Platform for Dryland Research and Education, Tottori University, Japan
IGG: Institute of Geography and Geoecology, Mongolian Academy of Sciences, Mongolia
IRIMHE: Information and Research Institute of Meteorology, Hydrology, and Environment, Ministry of Environment and Tourism, Mongolia
MES: Ministry of Education and Science, Mongolia
NIEER: The Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, China
RIKEN-CCS: RIKEN Center for Computational Science, Japan
TUT: The University of Tokyo, Japan