



Seminar: Aakash project: toward clean air in North India

Research Institute for Humanity and Nature in Kyoto, Japan is conducting a five-year project, starting in 2020, entitled "An Interdisciplinary Study Toward Clean Air, Public Health and Sustainable Agriculture: The Case of Crop Residue Burning in North India", which is commonly known as "Aakash project" meaning sky in Hindi. In this seminar, we will report the latest findings from this project on the relationship between post-harvest rice straw burning in Punjab and Haryana and air pollution in Delhi. The seminar will also cover measures to reduce rice straw burning, including the effective use of rice straw as biomass fuel and the generation of biochar, as well as a research plan to raise awareness of farmers through health surveys. Through this seminar, we hope to demonstrate the potential of Japan-India technical cooperation to improve air pollution in India.

Program of the Aakash seminar at India-Japan Environmental Week

11:35-12:55 (IST) 15:05-16:25(JST), 13 January 2023

Opening Remarks	
Chair: Prabir Patra (Principal Scientist & Sub-group Leader, JAMSTEC, Yokohama, Kanagawa, Japan)	
[Presentation 1] 20min including Q/A	
Title	Aakash Project Summary: Results and future scopes
Speaker	Sachiko Hayashida (Professor, Aakash Project leader, RIHN)
[Presentation 2] 15min including Q/A	
Title	Investigation of Perception About Air Pollution And Its Health risks
Speaker	Kayo Ueda (Professor, Graduate School of Medicine, Hokkaido University, Sapporo, Hokkaido, Japan)
[Presentation 3] 15min including Q/A	
Title	Ex-situ management of Crop Residue in Punjab: Some Insights
Speaker	Kamal Vatta (Professor and Head, Department of Economics and Sociology, Punjab Agricultural University, Ludhiana, Punjab, India)
[Presentation 4] 15min including Q/A	
Title	Negative emission technology for carbon dioxide in agricultural fields
Speaker	Shigeto Sudo (Leader, Mitigation System Group Division of Climate Change Mitigation Research Institute for Agro-Environmental Sciences, NARO Tsukuba, Ibaraki, Japan)
Comments from Industries	
	Indian Oil. (India)
	TROMSO (Japan)
Discussion	
All	

India-Japan Environmental Week Website: <https://www.jprsi.go.jp/ew2023in>