



2023 글로벌 ESG 포럼  
June 26(MON) - June 29(THU), 2023 | Singapore

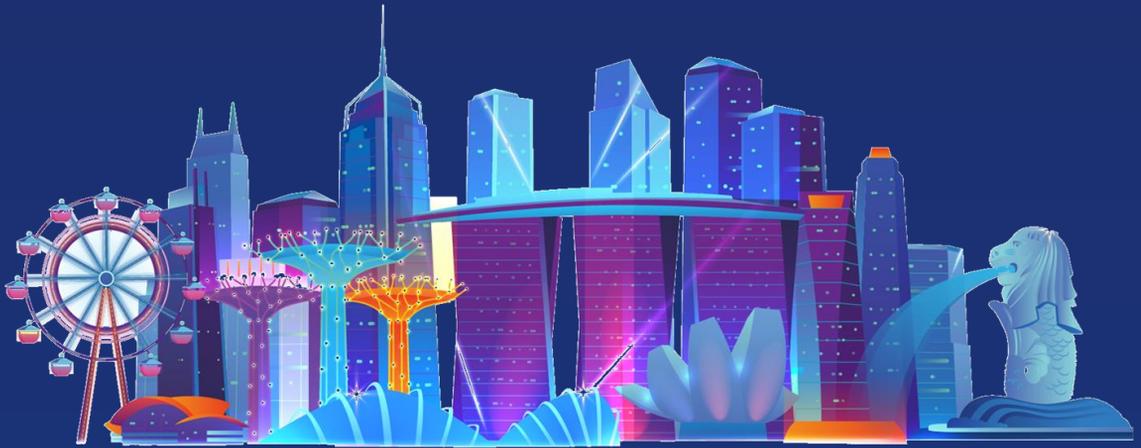
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# 2023 Global ESG Forum in Singapore

Pursuing Sustainability through ESG

June 26(MON) ~ 29(THU), 2023 | CREATE, Singapore

## Sustainable Plastic Management Program



International  
**ESG**  
Association



**ESG** 연구센터  
ESG Research Center



**APRU**

Sustainable Waste  
Management

**CREATE**  
Campus for Research Excellence And Technological Enterprise



**E2S2**  
CREATE



**NUS**  
National University  
of Singapore

**NUS**  
BUSINESS  
SCHOOL

# JUNE 28

# Sustainable Plastic Management

Time	Program
<b>Sustainable Plastic Management</b>	
	<b>Session Chair</b>  <b>Prof. Sung Yeon Hwang</b> Director of IESGA & Professor of University of Science and Technology, Kyung Hee University, Korea
14:00 ~ 14:20	<b>Sustainable Plastics: Challenges and Opportunities</b>  <b>Prof. Ning Yan</b> Professor of College of Design and Engineering, NUS, Singapore
14:20 ~ 14:40	<b>Potential Effects of Microplastics on Human Health</b>  <b>Prof. Qianru Zhang</b> Professor of Institute of Agricultural Resource and Regional Planning of Chinese Academy of Agricultural Sciences, China
14:40 ~ 15:00	<b>Environmental Footprints of Bioenergy Production/Waste Management and Application of Machine Learning Methods</b>  <b>Prof. Siming You</b> Professor of James Watt School of Engineering, University of Glasgow, UK
15:00 ~ 15:30	<b>Business Round Table</b> with Prof. Ning Yan, Prof. Siming You, and Prof. Qianru Zhang
15:30 ~ 16:00	Networking Break
16:00 ~ 16:20	<b>Migration behaviors and environmental risks of phthalate acid esters and microplastics from agricultural films</b>  <b>Prof. Fang Wang</b> Professor of Institute of Soil Science, University of Chinese Academy of Sciences, China

# JUNE 28

# Sustainable Plastic Management

Time	Program
16:20 ~ 16:40	<b>Conversion of food waste derived lipids to bio-based materials: Case of Polyurethane</b>  <b>Prof. Sunita Varjani</b> Professor of City University of Hong Kong, China
16:40 ~ 17:00	<b>Valorization of PVC Waste into Aromatic Hydrocarbons through VFD-Assisted Pyrolysis: A Sustainable Pathway Towards a High Value Circular Economy</b>  <b>Prof. Elsa Antunes</b> Senior Lecturer of Center for Tropical Environmental and Sustainability Science, James Cook University, Australia
17:00 ~ 17:20	<b>Effects of Microplastics on Soil Microbial Communities and Greenhouse Gas Emissions</b>  <b>Prof. Jinchun Tang</b> Professor of Nankai University, China
17:20 ~ 17:40	<b>Biodegradable Plastics: Challenges and Opportunities</b>  <b>Ms. Amasha Withana</b> Researcher at IESGA & Korea University, Korea
17:40 ~ 18:10	<b>Business Round Table</b> with Prof. Fang Wang, Prof. Sunita Varjani, Prof. Elsa Antunes, Prof. Jinchun Tang, and Ms. Amasha Withana
18:10 ~ 18:20	<b>Closing Remark</b>  <b>Prof. Yong Sik Ok</b> President of IESGA & Program Director of APRU SWM, Korea