

# ISWA BEACON CONFERENCE ASIA 2024 - SINGAPORE

## CHAPTER 2: THE CORRELATION BETWEEN WASTE MANAGEMENT AND CLIMATE CHANGE

21 JUNE 2024, FRIDAY

### Introduction

**10.45-10.55 Welcome Address and Recap**

**Melissa Tan**, Chairman, Waste Management & Recycling Association of Singapore (WMRAS)

**10.55-11.05 Opening Address**

**Dr Amy Khor**, Senior Minister of State for Sustainability and the Environment, and WMRAS Advisor (tbc)

**11.05-11.55 Panel 1: Climate Change and Waste Management: The "Unknown" Link**

Waste management plays a significant role in greenhouse gas emissions, including carbon dioxide and methane. Organic waste items like kitchen scraps, garden waste, and paper decompose easily, while fossil fuel-based materials like plastics degrade slowly. The methods used for handling and disposing of these materials directly impact greenhouse gas emissions. Effective waste management not only controls carbon emissions but also adapts to climate change, affecting waste storage, treatment, and disposal, along with associated risks such as pests and diseases.

**Moderated by: Sachin Narang**, Senior Advisor, GHD Advisory

**Panellists:**

**Jude Chow**, Deputy Chairman, Hong Kong Federation of Industries & CEO, AEL (International Holdings)

**Thye Chee How**, Country Head (Malaysia), SUS Environment

**James Law**, Chair of Landfill Working Group, ISWA & Vice President, SCS Engineer, USA

**11.55-12.15 Towards Green Waste Management: Decarbonisation Strategies in a Changing Climate**

**12.15-12.35 Reduce GHG Emissions: Start from Dumpsites**

**James Law**, Vice President, SCS Engineers

**12.35-14.00 Lunch & Exhibition Visits**

### Session 2: Emerging Solutions contributing to a Net-Zero Future

**14.00-14.20 Cap-and-Trade: Untapped Opportunities of Carbon Capture and Trading**

**14.20-14.40 Decarbonising the Food Supply Chain**

**James Rundell**, Head of Sales, QUBE Renewables Ltd

**14.40-15.00 New Plastics Economy - Food Grade, Ocean Plastics Prevention and Engineering**

**Thomas Mattscherodt**, Head of Project Management Office, ALBA Singapore

**15.00-15.20 Solar Panel's Life After Death**

**Dr Thong Ya Xuan**, Lead Research Scientist, Singapore Polytechnic

**15.20-16.20 Panel 2: Zeroing In, the Race to a Net-Zero Future!**

For a long time, people have dealt with solid waste by just throwing it away. Now, we realize that waste can be valuable if reused. This has led to a push for new solutions to reach a net-zero future. To do this, we need to use new technologies and methods across different areas to cut greenhouse gas emissions and promote sustainability.

**Moderated by: Sandra Seah**, Partner, Bird & Bird ATMD LLP

**16.20-16.30 Closing Remarks**