



# ISWA's World Congress & WASTECON® 2017 Poster Presentations

## Circular Economy

### **Teaming Solid Waste Agencies with Wastewater Utilities: Create Fertilizer Using Landfill Gas**

Amber Batson, Senior Project Manager, CMD Smith, Texas

### **Sustainable Architecture**

Lorenzo Bertero, Impactos Ambientales, Argentina

### **Valorizing Precious Metals in Bottom Ashes**

Mark Caffarey, EVP, Umicore USA, North Carolina

### **Life Cycle Assessment of Cemetery Wastes of Porto, Portugal**

Filipe Manuel Castro Carneiro, Engineer, LIPOR, Portugal

### **Application of MBT and RDF Technologies in the American Waste Management Market**

Carlos Guijarro Castro, Chief Technical Officer, Valoriza Servicios Medioambientales S.A., Spain

### **From a Success Factor in Household Waste Management to a Driver towards Circular Economy**

Christof Delatter, Interafval-VVSG vzw, Belgium

### **Hazardous Compounds in Waste Impeding Circular Economy — Insights from Case Studies on Cadmium Compounds**

Henning Friege, Prof. Dr., N<sup>3</sup> Thinking Ahead, Dr. Friege & Partners, Germany

### **How Does London Decide Where to Dispose of Waste Whilst Achieving Zero Waste?**

Peter Hutt, Head of Municipal Waste Division, Opensky Data Systems, Ireland

### **Evaluation Tool for Waste Pickers Organizations**

Nathalia Lima, Environmental Engineer, Giral Viveiro de Projetos, Brazil

### **How Zero Waste Can Help You Achieve a Circular Economy**

Gary Liss, President, Gary Liss & Associate, California

### **30 Years of Waste Management in Mallorca, Spain; Time to Brush Up on History**

Lluis Amengual Llabres, Environmental Technician, Emaya, Spain

## **Coupling BioElectroSynthesis and Organic Wastes Methanisation to Produce Platform Chemicals**

Jean-Luc Martel, Biological Treatment & Recovery Expert, SUEZ, France

## **Radical EPR Solutions to Drive the Circular Economy**

Joe Papineschi, Eunomia Research & Consulting Inc., United Kingdom

## **Circular Economy: Better Data and Coordinated Recycling Metrics**

Anne Scheinberg, Global Recycling Specialist, Springloop Cooperative U.A., The Netherlands

## **Waste Management as a Driver for Economic Development**

Mogens Straarup, Chief Technical Officer, Environmental Preservation and Innovation Centre, Malaysia

## **Tackling Technological Challenges for Circular Economy**

Karl Vrancken, Research Manager Sustainable Materials, VITO, Belgium

## **Circular Economy and the Evolution of Waste Prevention Inventions**

Henning Wilts, Head of Unit Circular Economy, Wuppertal Institute, Germany

## **Climate Change**

### **Choosing the Right Landfill Gas Model for Your Project**

Arpita Bhatt, Ph.D., Post-Doctoral Fellow, University of Texas at Arlington

### **Aligning Waste Sector Emissions Reductions with National Climate Change-related Objectives**

Joseph Donahue, Associate, Abt Associates, Maryland

### **Challenges and Opportunities in Waste to Energy Projects in Mexico**

Rodrigo Todd, CEO, Green Group, Mexico

### **Climate Change Resiliency Assessment for Los Angeles Sanitation Solid Resources**

Peter Woodfill, Global Practice Lead, CH2M, California

## **Closing Dumpsites**

### **The St. Andrews Landfill: A Landfill Gas Extraction System's Impact on a Mid-Sized Landfill**

John Agnoli, Maryland Environmental Service

### **Feasibility of Biogas and Energy Generation from Poultry Manure in Brazil**

Regina Mambeli Barros, Federal University of Itajuba, Brazil

### **Recovering Air Space Lost to Excessive Settlement**

Patrick Carroll, Director, Palm Beach County Solid Waste Authority, Florida

### **Landfill Gas Co-Firing Conversion for Industrial Burners**

Joseph Curro, Principal Engineer, CDM Smith, Massachusetts

### **“Recicla Vertical” Case Study: Domestic Waste Selective Collection as a Tool for Reducing Waste Disposal**

Patricia de Almeida Rosa, Environmental Educator, Recicla Vertical, Brazil

Natasha Itai Miyamoto Environmental Educator, Recicla Vertical, Brazil

### **Rehabilitation of a Large Dump Site in Lebanon**

Samir Dendoune, Director of Marketing, Suez International, France

### **The Main Challenges for Closing Dumpsites in Brazil**

Leticia Dos Santos Macedo, Researcher, Institute for Technical Research-IPT, Brazil

## **Energy Recovery**

### **LCSWMA's Partnership with Perdue: Maximizing the Energy Value of Waste through P3**

Thomas Adams, Chief Business Development Officer, LCSWMA, Pennsylvania

### **Waste to Energy: Solution to Small-Medium Cities in Brazil**

Gisele Benedicto Dos Santos, Waste Consultant, COPPE- Prefeitura de Mesquita, Brazil

### **Design, Project Execution and Operational Experience of the EFW Plant Linköping, Sweden**

Oliver Gloeckner, Steinmüller Babcock Environment, Germany

### **Heat Exchange at Landfills (HEAL): Evaluation of Preliminary Data from an Instrumented Municipal Solid Waste Landfill**

Ranjiv Gupta, Geosyntec Consultants, Arizona

### **Sludge and Organic Waste Co-Digestion SUEZ Latest References**

Jean-Luc Martel, Biological Treatment & Recovery Expert, SUEZ, France

### **Co-pyrolysis of Polymer and Biomass Wastes: Energy Production and Environmental Application**

SeokYoung Oh, Professor, University of Ulsan, South Korea

### **First Self-Reliant Indian Corporation to Treat 100 Percent Food Waste**

Kamal Raj, Senior Associate Manager, Infosys Ltd., India

### **Optimizing Solid Waste Biomethanation with Hydrogen Produced Via Mn<sup>0</sup> Oxidation**

Mark Reynolds, Graduate Research Assistant, Arizona State University

## **WTE Experience in the U.S. from 1960–2017: Lessons Learned**

Marc Rogoff, Projector Director, SCS Engineers, Florida

## **Resource Management**

### **CCRRA's Single Stream was Not the Answer in this Case**

Joanne Shafer, Deputy Executive Director/Recycling Coordinator, Centre County Recycling & Refuse Authority, Pennsylvania

### **Comparing Mechanical and Manual Sorting: The Role of Waste Pickers**

Nathalia Lima, Environmental Engineer, Giral viveiro de projetos, Brazil

### **Increasing Residential Food Waste Diversion Behavior through Promotional Cart Tags**

Omkar Aphale, Cascadia Consulting Group, Washington

### **A Needs Assessment for a Municipal Compost Pilot Project in the Dominican Republic**

Amanda Brinton, Graduate Student, University of Florida

### **Flag Disposal: A Patriotic Burn!**

Reenee Casapulla, Recycling Coordinator, Sussex County Municipal Utilities Authority, New Jersey

### **Crushing Contamination, Cranking Quality**

Justin Gast, Technical Assistance Specialist, The Recycling Partnership, Virginia

### **SCRAPS: Creating a Food Waste Collection Program**

Cathleen Hall, Solid Waste Manager, Pitkin County Solid Waste Center, Colorado

### **How Effective and Perspective is a Large-scale Vermicomposting Technology?**

Aleš Hanč, Faculty of Agrobiological Sciences, Food and Natural Resources, Czech University of Life Sciences

### **Challenges and Opportunities for Glass Recycling**

Meleesa Johnson, Director of Solid Waste Management, Marathon County, Wisconsin  
Rebecca Mattano, Solid Waste Supervisor, Waukesha County, Wisconsin

### **Quantifying MSW Management and Recovery in the U.S.**

Debra Kantner, Data and Policy Program Manager, Environmental Research and Education Foundation, North Carolina

### **University of Wisconsin-Stevens Point (UWSP) Waste Management Major**

Robert Michitsch, Associate Professor, University of Wisconsin-Stevens Point

### **Policies about Solid Waste Management in Colombia**

Andres Montoya, Environmental Engineer, Tecnológico de Antioquia, Colombia

### **Recycling's “One Stop Shop” Business Model**

Paul Oostelbos, Business Development Manager, Waste Treatment Technologies, The Netherlands

### **Learning for Sustainability through Community-Based Solid Waste Management in Kenya**

Patricia Ozoike, M.N.R.M., Natural Resources Institute, University of Manitoba, Canada

### **Managed Competition: Can It Work for You?**

Larry Fedec, Solid Waste Program Leader, HDR, Ontario

### **PRR—The Metric for the Future? What Can It Tell Us?**

Lisa Skumatz, Principal, SERA Skumatz Economic Research Associates, Inc., Colorado

### **Using Waste Characterization to Make Effective Planning Decisions**

Eric Weiss, Consultant, Gershman, Brickner, & Bratton, Inc., Virginia

## **Smart Technologies**

### **Clogged Leachate Collection System: A Case Study**

Julie Hall, Senior Project Manager, Cornerstone Environmental Group, Ohio

### **Waste heat harvest with thermoelectric generators in waste management facilities**

Telmo Jorge Santos Machado, Consultant, Lipor, Portugal

### **Role of Smart Technology and Big Data in Waste Management: Using Data from Wearable Sensors**

Mehal Madhusudan Trivedi, Engineer II, Division of Utilities and Solid Waste Management Frederick, Maryland

### **Tackling Packaging Waste in the Domestic Sphere Using a Retailer's Customer Loyalty Scheme**

Ramy Salemdeeb, Ricardo Energy & Environment, United Kingdom

### **Challenges and Opportunities in Waste Management Planning: Seville (Spain) and Chania (Greece) Local Action Plans**

Maria Tsakona, International Waste Management Consultant, D-Waste, Greece

## **Waste Management Challenges**

### **Inertization, Utilization, and Safe Disposal of Municipal Solid Waste Incineration Residues**

Anil Mehrotra, E.Eng., PE, Old Dominion University, Virginia

### **Environmental Calamities in Nepal**

Suresh Bahadur Chhetry, Program Officer, National Environment Pollution Control, Nepal

**A Plea to Appreciate the Job of the Binman**

Piet Coopman, Staff Member, Interafval, Belgium

**Health Assessment Study Findings for Waste Management Practices**

Sarah Foster, Principal, CPF Associates, Inc., Maryland

**Pop Your Profit: Four Steps to Join the Reputation Revolution**

Pamela S. Gockley, CEO, Reputatus, Pennsylvania

**Successful Site Development: Lessons Learned to Avoid Common Pitfalls**

Philip Goddard, Manager of Facility Compliance and Technology Development, ISWM Department, Town of Bourne, Massachusetts

**Laser Method of Cleaning Pollution of Open Water Surfaces with Oil Layers**

Gadir Huseynov, Assistant to the Chairman, "Tamiz Shahar" JSC, Azerbaijan

**Systemic Approach to Improve Industrial Risk Management and Insurance Confidence**

Marc-Xavier Joubert, Group Environmental and Industrial Risk Manager, SUEZ Group

**Waste Management Technologies Program, Georgia**

Tad McGalliard, International City/County Management Association, Washington, D.C.

**Inventory of Hazardous Waste Generation in Colombia**

Maicol Andres Martinez Gonzalez, Chemical Engineering, National University of Colombia  
Oscar J. Suarez Medina, Chemical Engineering, National University of Colombia

**An Innovative Passive Approach to Remediation at a Closed Landfill**

Laura Jo Oakes, P.E., BCEE, Engineer, EA Engineering Science and Technology, Inc., PBC, Maryland

**Landfill Compaction and Spray on Cover Simplified**

Brian Van Straten, Director, Outagamie County, Recycling & Solid Waste Dept., Wisconsin

**Solutions for Asbestos Waste in Serbia**

Bojana Zoraja, Teaching Assistant, Faculty of Technical Sciences, Serbia and Montenegro