# **Breakout Session Report Out**





**Session 2c:** Flexible Packaging: Challenges and Opportunities

**Session Report "Volunteer"** 

## **Objective**

#### Session Goals:

- Identify challenges and opportunities related to collecting flexible packaging
- Identify challenges and opportunities related to recycling flexible packaging
- Identify potential design elements that should be targeted in a redesign of flexible packaging



## **Major Challenges**

- Multi-layer packaging
- Need for better infrastructure
- Effect of bag bans on local laws and consumers
- Diverse markets
  - Food, cosmetics, cleaning products
  - Residues from these products
- Economics of collection flexible packaging has low mass and value
- Meeting specs for different markets (food, FDA, sanitation requirements, global standards)



### **Opportunities**

- Better labeling
- Consumer education
- Incentives for return
- Standardization of collection large variance between communities
- Design:
  - Multi-layer packaging that can be disposed of with organic waste (eliminate sorting challenges)
  - Recycling methods to minimize sorting
  - Polymers with the same functionality of multi-layer packaging
- AI trashcans (collects data, sorts waste)
- Working together across the value/supply chain
- Creation of data (bar codes, labeling) and data sharing connect producers and consumers.
- More data on fate of composting and anaerobic digestion

