

BOARD ON CHEMICAL SCIENCES AND TECHNOLOGY | OCEAN STUDIES BOARD

BOARD ON ENVIRONMENTAL STUDIES AND TOXICOLOGY | BOARD ON INFRASTRUCTURE AND THE CONSTRUCTED ENVIRONMENT | NATIONAL MATERIALS AND MANUFACTURING BOARD | WATER SCIENCE AND TECHNOLOGY BOARD | SCIENCE AND TECHNOLOGY FOR SUSTAINABILITY PROGRAM

Circularity and Plastics—A Workshop

Roundtable on Plastics May 13 – 14, 2025 Washington DC DPTIONAL IMAGE AREA. Delete if not using.

TUESDAY, MAY 13, 2025

Purpose

- Understand common principles of circularity and define current challenges in plastics circularity across key sectors (packaging, building materials, textiles).
- Explore sectoral synergies and the interconnected roles of industry, policy, and innovation.
- Identify a desired future state of plastics within a circular economy framework.
- Develop actionable pathways to achieve this vision through collaboration, policy evolution, and technology advancements.

8:30–8:40 Introductory Remarks to Set Workshop Objective

Welcome by Workshop Planning Committee Chair and Roundtable on Plastics Co-Chairs

8:40–9:50 Perspectives and Principles of Circularity (Panel Discussion)

Understand common principles of circularity and where there are different perspectives by hearing from speakers and discussion.

Keynote: Danielle Holly, Ellen MacArthur Foundation

Panelists:

Yblin Roman Escobar, Sirge Coalition

Alicia Marseille, Arizona State University

Han Zhang, Dow

9:50–10:30 Current State of Plastics

Assess sector-specific trends in plastics use, waste, and management for Plastic Packaging, Textiles, and Building Material sectors.

Plastic Packaging Panelists:

Helene Wiesinger, Food Packaging Forum

Phil Rozenski, Novolex

Building Material Panelists: Kristen Rinehart, Advanced Drainage Systems Teresa McGrath, Habitable

Textile Panelists: **Beth Forsberg**, Goodwill **Brian London**, SMART

10:30–11:30 Sectoral Synergies and Interdependencies (Panel Discussion)

Explore cross-sector needs to advance circularity in plastics. Identify the interplay and reality of the interdependencies and the most impactful solutions. Panelists: Julia Koskella, Systemiq Sandeep Bangaru, Eastman Chemical Cam Pascual, World Wildlife Fund

- 11:30–12:00 Lunch
- 12:00–1:50
 Breakout Rooms By Sector:

 Current State of Plastics and Desired Future State of Plastics

 Define what an optimized circular plastics system looks like in each sector.
- 1:50–2:00 BREAK/Return to Full Group

2:00–3:00 Report Out on Desired Future State

Share key findings from breakout discussions. Identify shared themes and cross-sector opportunities.

3:00–3:30 BREAK

- 3:30–5:00 Breakout Rooms by Sector: Pathways to the Desired Future State Develop practical strategies and policy recommendations to transition toward circular plastics.
- 5:00–5:30 BREAK/Return to Full Group

5:30–6:30 Working Dinner

Full Group Discussion: Preliminary Report Out on Pathways

END OF DAY 1

WEDNESDAY, MAY 14, 2025

- 8:30–8:45 Recap of Day 1
- 8:45–9:00 BREAK\Transit to Breakout Rooms
- 9:00–10:30 Breakout Rooms by Sector: Finalizing thoughts on Pathways to the Desired Future
- 10:30–10:40 BREAK\Return to Full Group
- 10:40–11:50 Full Group Discussion: Report Out Pathways to the Desired Future Share key strategies developed in breakout sessions. Identify common barriers and cross-sector solutions.
- 11:50–12:00 Closing Remarks
- 12:00–1:00 Lunch

PUBLIC MEETING ADJOURNS