

Agenda: Transitioning to a Sustainable, Circular Economy for Plastics Workshop
 U.S. Department of Energy's (DOE) Bioenergy Technologies Office (BETO) &
 Advanced Materials and Manufacturing Technologies Office (AMMTO)

June 8-9, 2023
(Agenda subject to change, all times in PT)

DAY 1 (June 8, 2023)
Opening Session: Introductions/Opening Remarks

Time (PT)	Agenda Item	Speaker
8:00 – 9:00 am	Registration	
9:00 – 9:10 am	Welcome and Workshop Introductions	Coralie Backlund – DOE BETO

Session 1: Sustainability & Circularity for Plastics (9:10 – 10:45 am)

Time (PT)	Agenda Item	Speaker
9:10 – 9:30 am	Department of Energy's Evolving Interests in Plastic Circularity	Kathryn Peretti – DOE AMMTO
9:30 – 9:50 am	Changing Landscape for Plastics: International Policy Perspective	Erica Nuñez – The Ocean Foundation
9:50 – 10:10 am	Ambitions and Challenges in Delivering on Plastics and Waste Commitments	Nicholas Vijverman– Ellen MacArthur Foundation
10:10 – 10:35 am	Panel Discussion: Circularity and Climate Tradeoffs for Materials	Moderator: Michelle Tulac – Ellen MacArthur Foundation Panel: Anne Bedarf – Colgate Clinton Smith – Pregis
10:35 – 10:45 am	Moderated Q&A	

Break (10:45 am – 11:00 am)

Break-out Session: Landscape of Plastics – 11:00 am – 12:20 pm

Time (PT)	Agenda Item	Discussion Facilitator
11:00 – 12:00 pm	Topic 1 - How do we guide good policy and measure progress?	Erica Nuñez – The Ocean Foundation
11:00 – 12:00 pm	Topic 2 - What role do industry pledges, coalitions and working groups have in successful implementation of plastics recycling?	Nicholas Vijverman – Ellen MacArthur Foundation
11:00 – 12:00 pm	Topic 3 - What influences investments in the recycling infrastructure?	Kathryn Peretti – DOE AMMTO
11:00 – 12:00 pm	Topic 4 -What are the tools for understanding plastic environmental impacts (e.g., LCA) and how do we harmonize them?	David Allaway – Oregon DEQ
12:00 – 12:20 pm	Report out from Breakout Discussion	

Lunch (12:20 – 1:20 pm)

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Session 2: Plastic Recycling – A Changing Landscape (1:20 – 3:30 pm)

Time (PT)	Agenda Item	Speaker
1:20 – 1:40 pm	Current State of Plastic Recycling in the U.S.	Nina Bellucci Butler – Stina
1:40 – 2:00 pm	Biomass Feedstock National User Facility Capabilities for Plastic Processing and Recycling	Vicki Thompson – Biomass Feedstock National User Facility
2:00 – 2:20 pm	Molecular Recycling	Bridget Croke – Closed Loop Partners
2:20 – 2:40 pm	Plastics recycling and design in the BOTTLE Consortium	Gregg Beckham – National Renewable Energy Laboratory/BOTTLE
2:40 – 3:10 pm	Plastic Recycling Challenges and Improvements – talks from the field	David Allaway – Oregon DEQ
3:10 – 3:20 pm	Panel Discussion: The Recycled Content Challenge	Moderator: Vicki Thompson – Idaho National Laboratory Panel: Bill Cooper – Cyclyx Chris Wirth – Amp Robotics Fei Wang – Procter & Gamble
3:30 – 3:40 pm	Moderated Q&A	

Break (3:40 – 4:00 pm)

Breakout Sessions: Supply Chain Challenges (4:00 - 5:30 pm)

Time (PT)	Agenda Item	Discussion Facilitator
4:00 – 5:00 pm	Topic 1 - What are the challenges and opportunities related to incorporating recycled plastics in products and packaging?	Justine Mahler – Amazon
4:00 – 5:00 pm	Topic 2 - What are the challenges in sourcing and reprocessing recycled content?	Ron Sherga – Cyclyx
4:00 – 5:00 pm	Topic 3 - How do we make recycling more straightforward to increase quantity and quality of material?	Katherine Shayne - UGA
4:00 – 5:00 pm	Topic 4 - Which technology and business model approaches move us towards plastics circularity?	Jennifer Ronk - Dow
5:00 – 5:20 pm	Report out from Breakout Discussion	
5:20 – 5:30 pm	Closing of Day 1	

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DAY 2 (June 9, 2023)
Opening Remarks/Housekeeping

Time (PT)	Agenda Item	Speaker
8:00 – 8:30 am	Registration	
8:30 – 8:40 am	Introductions and Housekeeping Day 2	

Session 3: Plastics in the Future – Material Selection (8:40 – 9:45 am)

Time (PT)	Agenda Item	Speaker
8:40 – 9:10 am	Panel Discussion: Recyclable vs. Compostable Plastics	Moderator: Taylor Uekert – National Renewable Energy Laboratory Panel: Paul Darby – Novamont Anindya Mukherjee – Go!PHA Derek Atkinson – Total Corbion
9:10 – 9:40 am	Panel Discussion: Biobased and Biodegradable Plastics	Moderator: Jay Fitzgerald – BETO Panel: Leah Ford – Nature Works Jeanette Hanna – BASF Lauren Scott – CJ Biomaterials
9:40 – 10:30 am	Flash Talks: Perspectives from Polymer Scientists	
	A Working Backwards Approach to Plastics	Alan Jacobsen – Amazon
	What polymers are best for packaging from a holistic sustainability perspective and technologies are needed to scale them?	Jun Wang – Colgate
	The confusion around biodegradability	Jason Locklin – University of Georgia
	Benefits and risks of new polymers in the current and future recycling system	Taylor Uekert – National Renewable Energy Laboratory
	Which plastics can easily/reasonably be replaced with biodegradable plastics?	Andrea Kasko – University of California, Los Angeles

Break (10:30 – 10:45 am)

Breakout Sessions: Sustainability from Challenges to Solutions (10:45 am – 12:00 pm)

Time (PT)	Agenda Item	Discussion Facilitator
10:45 – 11:45 am	Topic 1 - What are the challenges we anticipate for future recycling systems?	Kathryn Peretti – DOE AMMTO
10:45 – 11:45 am	Topic 2 - What is the role of plastic packaging in the future?	Alan Jacobsen – Amazon
10:45 – 11:45 am	Topic 3 - How can redesign products and business models to enable reuse?	Michael Martin – R.cup

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10:45 – 11:45 am	Topic 4 - How do we maximize sustainability benefits of bio-based plastics?	Omar Terrie – Neste
11:45 – 12:00 pm	Report out from Breakout Discussions	
Closing Session – What's Next? (12:00 – 12:30 pm)		