

Waste for feedstock recycling: challenges and opportunities

Workshop

IEA Bioenergy: Task 36: 15 06 2020

Waste for feedstock recycling: challenges and opportunities

Venue: on-line workshop – link to the invitations (Teams) will be distributed to registered participants

Time: 15:00 -18:00 CEST (UTC +2), Monday, June 15th, 2020

Background:

As the Task's work moves from a focus on combustion-based waste-to-energy to include a wider range of processes and technologies, it is timely to consider the range of pathways that are now becoming relevant in the context of the emerging Circular Economy. Furthermore, as there is a greater need for more diversity in the way we treat and manage waste, we are seeing differing levels of understanding and support in key areas of government and community.

Aim:

Identify those waste streams that offer a higher potential for feedstock recycling and upcycling and discuss the main barriers and opportunities to walk this path.

Programme/Agenda (Times given in CEST-Central European Summer Time, Denver -8h, Brisbane +8 h):

15:10 Part I: Potential and continuity

15.15 Speaker 1 Zia Abdullah – Biomass Program Manager, National Renewable Energy Laboratory

15:30 Discussions

1. What waste streams has the largest potential for recycling and upcycling today?
2. What intermediate molecules has the highest potential and why?
3. Based on current regulatory and societal trends, how do you anticipate your answer differing in 5 years? In 10 years?

16:15 Mini break

16:20 Part II: Challenges towards recycling or upcycling of waste streams

16:25 Meltem Urgun-Demirtas – Biomass Program Manager, Argonne National Laboratory

16:40 Chad Haynes – Director of Government Strategy and Technology Partnerships – Lanzatech, Inc.

16.55 Discussion

1. What are the top technical challenges towards recycling or upcycling of the materials with highest potential (from Part I)?
2. What are the top non-technical challenges?
3. What would be the most appropriate technology pathways for handling mixed waste streams? What is their applicability when it comes to scale?

17:45 Summary

18:00 End of workshop

REGISTRATION OPEN NOW

Registration is free and all the participants are welcome to register by sending an email to inge.johansson@ri.se. A link to connect to the workshop will be provided a few days before the workshop. Last day to register: June 12th.

For more information about the programme contact Beau Hoffman (beau.hoffman@ee.doe.gov)