European Commission | Executive Agency for Small and Medium-sized Enterprises

WCEF 2019 Side session
"Scaling up innovative circular solutions for plastics"

Venue & Time

Finlandia Hall, Veranda room in 0-level (room number to be confirmed) – Capacity 50 people

3 June, 09:30-11:00

Description and objectives

The Side session aims at bringing together innovators, researchers, companies, public authorities and policy makers to discuss about circular economy in the plastic sector. It will feature 12 Horizon 2020 projects (6 on-going and 6 new) that are addressing innovation to boost circular economy solutions for plastics.

An interactive workshop will be organised to facilitate exchanges of views between participants, leverage synergies and complementarities as well as identify concrete steps for fostering the uptake of innovative solutions and accelerating the transition towards a circular economy.

DRAFT Programme

9:00 - 9:30	Arrival
9:30 – 9:35	**Opening** **Moderator and introduction of the session's activities**: Carmen Mena Abela, Head of Sector H2020 Eco-innovation (EASME)
9:35 – 9:45	**Welcome speech:** **Julien Guerrier, Director (EASME)**
9:45 – 9:50	**Sli.do Live polls** Moderator: Stefania Rocca, Project Adviser (EASME)
9:50 – 10:10	**Pitch session**

Representatives of 12 ongoing and newly started projects, which are addressing circular economy solutions for plastics, will have the opportunity to do a 90 seconds pitch to disseminate and raising awareness of their activities among the stakeholders' community.

On-going H2020 projects (Innovation Actions – Topics CIRC-01-2016-2017, "Systemic, eco-innovative approaches for the circular economy: large-scale demonstration projects"):

- Aitana Sáez de Guinoa Vilaplana, Project Manager, CIRCE:
  CIRC-PACK - Towards circular economy in the plastic packaging value chain;
- Ferran Martí, R&D Director, AIMPLAS:
  C-SERVEES - Activating Circular Services in the Electric and Electronic Sector;
- Giacomo Bonaiti, Managing Director, Rivierasca:
  FiberEUse - Large scale demonstration of new circular economy value-chains based on the reuse of end-of-life fibre reinforced composites;
- Luca Campadello, Projects & Researches Manager, ECODOM:
  PolyCE - Post-Consumer High-tech Recycled Polymers for a Circular Economy;
- Amir Rashid, Professor, KTH Royal Institute of Technology:
  ReCiPSS - Resource-efficient Circular Product-Service Systems;
- Ronny Hanich, Research associate, Fraunhofer ICT:
  URBANREC - New approaches for the valorisation of URBAN bulky waste into high added value RECycled products

New H2020 projects (Research and Innovation Actions – Topic: CE-SC5-01-2018, "Methods to remove hazardous substances and contaminants from secondary raw materials"):

- Martin Schlummer, Business field manager recycling & environment, Deputy head department Process Development for Polymer Recycling, Fraunhofer IVV:
  CIRCULAR FLOORING - New products from waste PVC flooring and safe end-of-life treatment of plasticisers;

- Irma Mikonsaari, Project Manager, Fraunhofer ICT:
  CREAToR - Collection of raw materials, Removal of flAme reTardants and Reuse of secondary raw materials;
- (TBC) Esther van Zonder, Program Manager, TNO:
  PLAST2bCLEANED - PLASTtics to be CLEANED by sorting and separation of plastics and subsequent recycling of polymers, bromine flame retardants and antimony trioxide;
- Muhammad Saad Qureshi, Research Scientist, VTT:
  NONTOX - Removing hazardous substances to increase recycling rates of WEEE, ELV and CDW plastics;
- Isabel De Schrijver, R&D Manager, Centexbel:
  REMADYL – Removal of Legacy Substances from polyvinylchloride (PVC) via a continuous and sustainable extrusion process;
- Roberto Vannucci, Multisectoral R&I Manager, Centrocot:
  REACT - REcycling of waste ACrylic Textiles

10:05-10:40	**Discussion tables** The 12 projects (six new and six ongoing) will be clustered around five discussion tables (two / three projects per table). Other participants will be free to choose their preferred discussion tables.

The five Discussion tables will focus on different thematic items related to key aspects and solutions towards "Scaling up innovative circular solutions for plastics", such as:

Table 1: Design for recycling:

- How to facilitate the recovery of secondary raw materials from plastic waste and their recycling? How could circular solutions boost recycling and use of secondary raw materials from plastic waste?

Table 2: Performance and quality standards:

- Current status / good examples in the assessment of plastic waste and recycled materials suitability for different applications, substances of concern, future needs.

Table 3: Boosting innovative solutions:

- Technological breakthrough, costs efficiency (at pilot level), digitalization, future trends.

Table 4: Market readiness and uptake:

- Current status for the relevant feedstock, how to increase the share of recycled plastics and market innovation.

Table 5: Stakeholders' engagement:

- Key actions enabling collaboration along circular value chains and dissemination; policy frameworks, regulatory measures and incentive instruments for post-use recovery of plastics

10:40-10:45	**Sli.do Live polls & Final remarks** Moderator: Vincenzo Gente, Senior Project Adviser (EASME)
10:45-11:00	**Poster session** The representatives of the 12 selected projects will have the opportunity to network with the participants and disseminate their activities and proposed solutions through a dedicated poster session.