

Contaminant Issues in Waste Stream

To reduce the emission of POPs to the environment, the production and use of these chemicals have been restricted under Stockholm Convention. Hence, large quantities of POPs and other contaminants used in consumer products are still being used, and consequently entering the waste stream as products reach the end-of-life stage. Inappropriate waste management practices could result in continuous emissions of these contaminants to the surrounding environments. Further, some of legacy contaminants reappear “as ghosts” in recycled products, which is of a great concern in the context of circular economy. This leads to conflicting of perspectives on the fate of contaminants in the waste stream versus environmental benefits of recycling. To better understand the fate of contaminants in waste, we would like to invite presentations related to:

- Identification/ chemical characterization of contaminants in waste stream, material intended for recycling or within recycled products
- Emissions of contaminants from waste and recycling operations
- Environmental and human hazards and risk associated with contaminants related to waste and recycling.
- Strategies to understand and minimize risks associated with contaminants in waste and recycled products.
- Case studies from local to global scale.