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SUSTAINABLE WASTE MANAGEMENT 2018

RECYCLING • PLASTIC WASTE • BIO-WASTE • ECONOMY

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PRESENTATION

Solid Waste Characterization

– Why, and how to properly assess MSW properties?

ANNOTATION

- *Why to do it?*
 - As the foundation of any *planning*... to form the basis for a waste management concept
 - To describe (and consequently to influence) “disposal behavior” of waste generators
 - To design and optimize waste treatment plants, or single components thereof (the efficiency of a shredder, an air classifier, ...)
- *How to do it ?.*
 - Some *principles* will be presented (*size* of samples, *where* to take a sample – at level of origin = the collection bin, or out of the collection vehicle ?), conventional (usually screen-supported) *composition analysis vs VtoW* (Volume to Weight) *audit*
 - Parameters (*composition by weight, moisture, heating value, loss content, contaminants* such as chlorine and heavy metals)
 - ...a few comments on *standards, GLP* (Good Laboratory Practice) and finally *cost*.
- In between *show cases* from Italy, the United Arab Emirates, and Tbilisi (Georgia).