

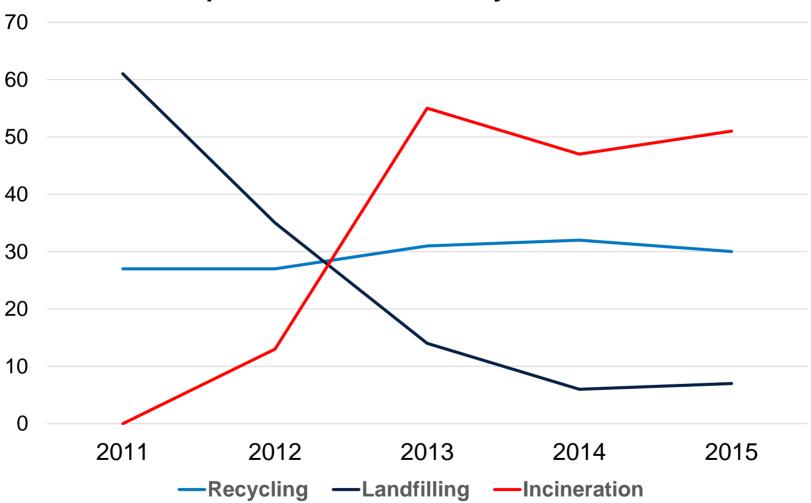
# Challanges for Implementing Separate Collection of Biowaste in Estonia

### **Pille Aarma**

Environmental Management Departemnt Ministry of the Environment of Estonia

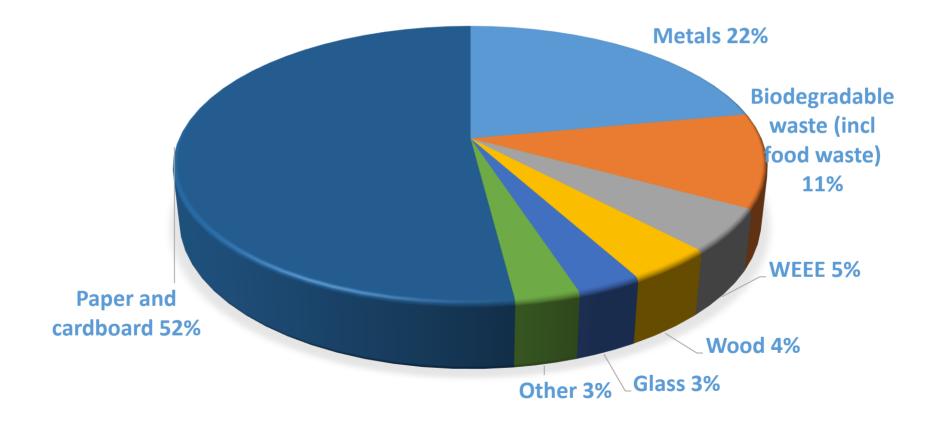
06.09.2017





#### Municipal waste treatment in years 2011-2015

#### Municipal waste separate collection in year 2013





Study on mixed household waste carried out in 2012-2013 focused on, among other things, the proportion of biodegradable waste in waste-mass:

- less biodegradable waste in mixed household waste (compared to same Study in 2008) - from 56% to 48%

## How we improved the system



### **Collection on the site of generation**

- Bio-waste
- Paper and cardboard
- Packaging
- Mixed municipal waste



## Waste stations/ recycling yards

- Bio-waste (garden waste)
- Paper and cardboard
- Packaging
- Construction and demolition waste
- Hazardous waste from households
- Electric and electronical waste
- Tyres
- etc.



## On site composting





### Composting by waste recycling facilities



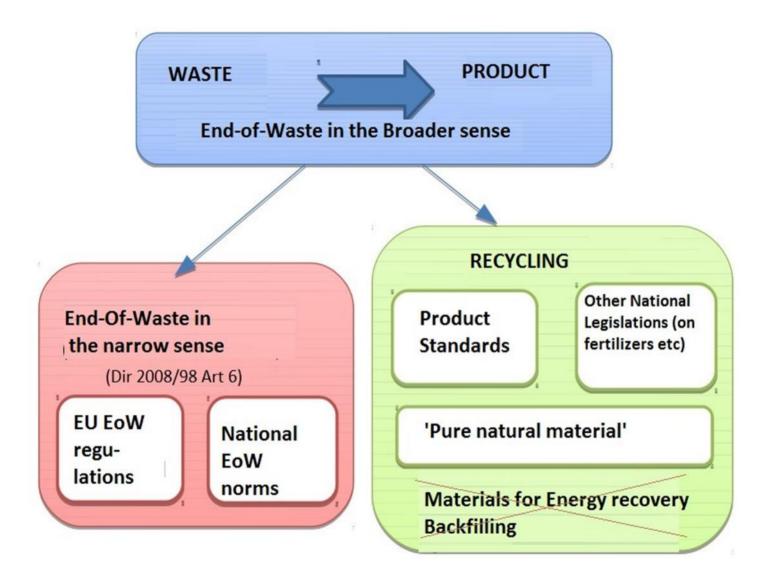
### **Directive 2008/98/EU on waste:**

- Waste any substance or object which the holder discards or intends or is required to discard.
- most of waste managements operations should be covered with Waste Permits
- waste could be handed over only to the person, who has a Waste Permit or a Registration and all operations are covered with an annual waste report.

#### **Defining the problems:**

- Uncertainty about quality
- Bad image, low user awareness
- Low demand
- Bureaucracy





# Regulation of the Minister of Environment "Requirements for production of compost from biodegradable waste"

Important elements of the regulation:

- Input material
- Processes and techniques
- Product quality
- Self-control system
- Quality control procedures



S I H T A S U T U S TAASKASUTATAVATE MATERJALIDE SERTIFITSEERIMISKESKUS

TOOTE SERTIFIKAAT

Nr. 2

Tootja

Tallinna Jäätmete Taaskasutuskeskus AS

Registrikood: 10450572 Aadress: Loovälja, Rebala küla: Jõelähtme vald, 74222

täidab biolagunevatest jäätmetest komposti tootmisel Kesikkonnaministri 8. aprilli 2013. a määrusega nr 7 "Biolagunevatest jäätmetest komposti tootmise nõuded" sätestatud nõudeid.

Toodetud komposti ohutus- ja kvaliteedinäitajad on Keskkonnaministri 8. aprilli 2013. a määruse nr 7. "Biolagunevatest päätmetest komposti tootmise nouded" Lisas 2 toodud komposti ohutus- ja kvaliteedinäitajate piirväärtuste piires. Tsingi sisaidus 591 mg kg-1 kuivaines.

Sertifikaat hakkab kehtima 20.10.2016.a. ja kehtib kuni ei ole oluliselt muudetud komposit tootmisprotsessi ja kontrollmöötmiste tulemusel ei ilmne probleme komposti ohutus- ja kvaliteedinõuete täitmisel, kuid mitte kauem kui 19.10.2019.a.

Sertifikaat väljastati 20.10.2016.a.

J. J. Muk Allan Pohlak Juhataja



SA Taaskasutatavate Materjalide Sertifitseermiskesku Peterburi tee 46, Tatlinn 11415 Reg.nr 90013124



Keskkonnaministeerium

# **Questions?**