

# SIMPLE WASTE SORTING FOR EVERYONE



# FUTURE WASTE MANAGEMENT, EASY FOR EVERYONE

Sorting waste is an important climate protection measure. Today, it is governed by EU directives, legislation and national goals. In the EU, the goal is for 50 percent of all household waste to be recycled by 2020. The goal is likely to be raised thereafter.

Many of the municipalities using optical sorting have already reached 50 percent recycling.



**1** The various fractions, i.e. food waste and packaging and other waste, is sorted at home in the kitchen into different colored bags. All of the bags, regardless of color, are placed into the existing waste bin. The system is unaffected by variations in the different kinds of waste that occur in households.



**2** The waste is taken away by conventional waste trucks to a sorting station where they are sorted.



**3** Automatic optical sorting takes place at the sorting station according to the color of the bags. The contents proceed for further processing and the plastic bags are recycled.



**4** The green bags containing organic waste are sorted out for the biogas installation. Food waste is turned into biogas and organic fertilizer. Biogas is used in e.g. the city's buses.

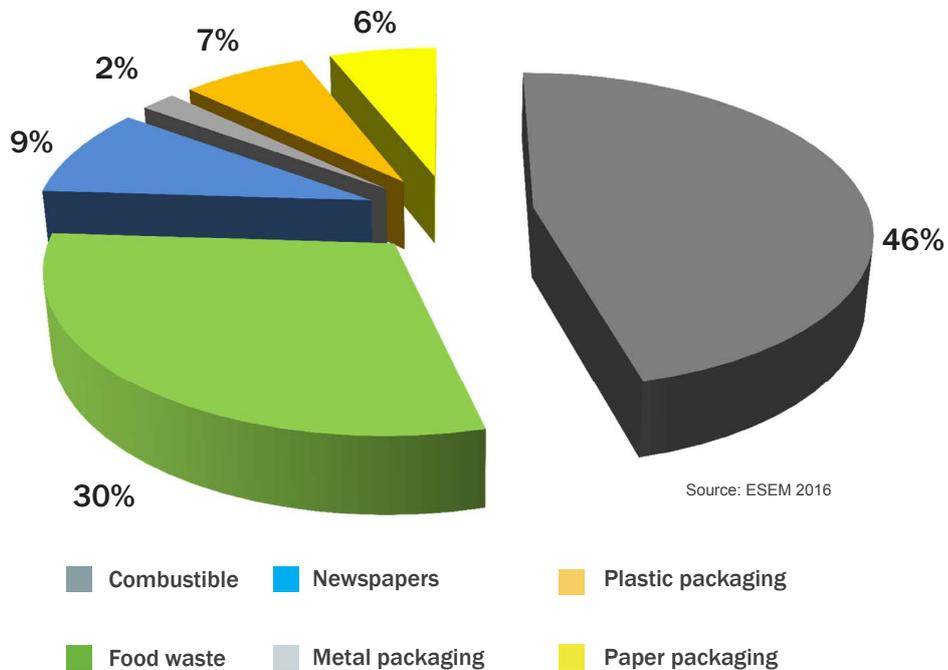


**5** The gray bags go to metal recycling, orange to plastic recycling, yellow to paper and blue to newspaper recycling. The pink bags of textiles goes to charity work or fiber recycling. Other waste is handled as residual fractions and sent to energy recovery.

# EXAMPLE OF SORTED FRACTIONS 2016

We currently sort up to nine fractions, but in the future this may rise to twelve fractions. The flexibility inherent in the Optibag system makes it easy to adapt to the rapid advances being made in the field of waste management.

The proportion of waste documented as correctly sorted into the bags is consistently high in sample analyses. Levels of 93–99 percent correctly sorted are common.



## SIMPLE WASTE SORTING FOR EVERYONE

- Optical sorting is a tool that will handle future waste sorting goals.
- Optical sorting is a uniform system that suits everyone and one which householders all appreciate.
- Optical sorting is a system that does not create extra transportation or require expensive property modifications.
- Optical sorting is the quickest, cheapest waste sorting system a municipality can implement.





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