

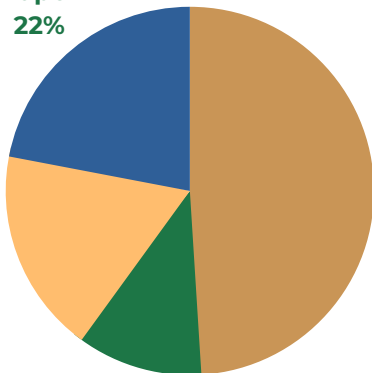


### About the city

- Hamburg: 2 Mio. inhabitants – 1 Mio. households, Biowaste collection from households since 1994: approx. 80,000 ton per year
- Treated in own biogas and composting plant > production of biogas and compost
- Subsidiary company for marketing certified compost (VKN) to farmers
- Residual waste contains still 40% organic waste
- LL: improvement of biowaste collection to increase compost application in Hamburg



Paper  
22%



Biowaste  
18%

Recyclable material  
11%

Mixed waste  
49%



### Challenges

#### In biowaste collection

- Low quantity as biowaste lost in the residual waste bin. Owners of detached houses use the biowaste bin f.i. mainly for garden waste. In large housing estates majority of all waste ends in the residual waste bin.
- Low quality due to impurities, in particular so-called biodegradable plastic bags and lack of social control if a large number of households uses the same bins or underground systems

#### Use of soil improvers

- Most of the compost produced in the plant is sold to farmers
- Only 5 to 10% is sold to citizens 25% of the input material remains as woody material