



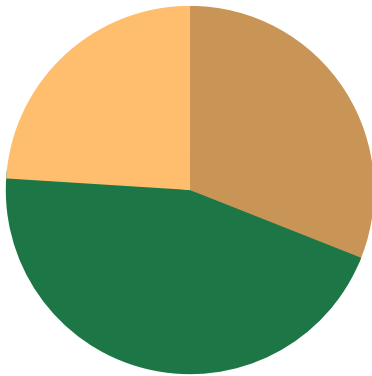
About the city

- In 2017 Amsterdam had 844.952 inhabitants
- Total waste per person in 2017: 358kg
 - 111 kg via separate collection
 - 247 kg via residual waste collection
 - 86kg is organic waste (OW)
- No separate OW collection
- 2017: District pilots for separate OW collection
- 2020: OW policy for 'district4district' approach
- 2025: 10kg OW collection per citizen
- 2050: 100% circular city



Biowaste

24%



Separate collection

31%

Residual collection

45%



Challenges

In biowaste collection

- The 'district4district' approach needs adaptation of different collection systems per district
- New district Havenstad will contain 150.000 citizens mostly living in high-rise buildings. For high-rise buildings, a new OW collection system via grinders is in development. First building operational in 2023.
- The valorization quality requirements determine the installation configuration for the grinder system.
- To allow higher valorization options of OW, the grinder configuration needs to be adaptive.

Use of soil improvers

- Biowaste quality parameters determine valorization options.
- The search for most valuable urban OW application depend on its quality requirements.
- To optimize valorization: interaction with collection system needed.
- Sustainability & Circularity criteria need to be included.

