WASTE MANAGEMENT CITY OF FREIBURG
Dipl.-Ing. Susanne Knospe
VISIT OF POCACITO 16.5.2019
6 Partnerstädte aus 6 Ländern

3 years:
ERDF grant: 2 Mio $
Cities contribute: 0.35 Mio $

objectives:
promote circular economy with strategies, pilots and platforms
1955

Source: ASF

16th of May 2019
CHANGES IN WASTE MANAGEMENT
WASTE TO ENERGY

2005

supply for 6000 homes

elle: ASF

16th of May 2019
GREY BIN for Residual waste
CHANGES IN WASTE MANAGEMENT

1986

GREEN PAPER BIN

1993

YELLOW BAG

1997

BROWN „BIO-TONNE“

Waste Management
City of Freiburg
POCACITO VISIT

16th of May 2019

Interreg
Alpine Space
GREENCYCLE

Freiburg
IM BREISGAU

EUROPEAN UNION
2017: 67 % recycling rate
Freiburg versus Mannheim
238 lbs/i/y : 531 lbs /i/y
AUFKOMMEN AN HAUS- UND SPERRMÜLL* AUS ÖFFENTLICHER SAMMLUNG SOWIE ABFÄLLE AUS DER BIOTONNE UND WERTSTOFFEN AUS HAUSHALTEN
2017 · LANDESLIGA III

<table>
<thead>
<tr>
<th>Kreisfreie Großstädte</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freiburg, Stadt</td>
<td>331</td>
<td>354</td>
</tr>
<tr>
<td>Stuttgart, Stadt</td>
<td>336</td>
<td>353</td>
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<tr>
<td>Ulm, Stadt</td>
<td>352</td>
<td></td>
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<tr>
<td>Pforzheim, Stadt</td>
<td>354</td>
<td></td>
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<tr>
<td>Heidelberg, Stadt</td>
<td>354</td>
<td></td>
</tr>
<tr>
<td>Karlsruhe, Stadt</td>
<td>358</td>
<td></td>
</tr>
<tr>
<td>Heilbronn, Stadt</td>
<td>379</td>
<td></td>
</tr>
<tr>
<td>Mannheim, Stadt</td>
<td>414</td>
<td></td>
</tr>
</tbody>
</table>

in Kilogramm je Einwohner und Jahr
reflected in laws and processes:

§§
EU
Federation
Federal states
Municipalities
Sorting of waste
in the
FEDERAL LAW OF
CIRCULAR ECONOMY
integrated into
Freiburg statutes for waste management
# Sorting instruction

## Paper

The green bin is for paper and cardboard:
- Cardboard boxes
- Newspapers and magazines
- Books, catalogues, school jotters, paper
- Paper bags, envelopes

The green bin is NOT for:
- Toilet paper, paper tissues, coated paper, milk and juice cartons, wallpaper, nappies

**Collection:** Every 14 days, when yellow bags are collected. Please refer to the Freiburg waste collection calendar for collection days.

**Important:**
Please cut up bulky cardboard items. Private households can dispose of larger quantities of used paper and cardboard at municipal recycling centres without charge.

## Packaging

The yellow bag is for plastic packaging, metal packaging, composites:
- Yoghurt pots and margarine tubs
- Plastic bags and plastic films
- Polystyrene/Styrofoam
- Milk and juice cartons
- Vacuum packaging, coffee bags
- Tins and drinks cans
- Empty aerosols, jar lids
- Tin buckets and larger cans
- Aluminium dishes, foils and lids

The yellow bag is NOT for:
- Paper packaging, scrap metal, leather, rubber or foam parts, plastic items without a green dot, electrical appliances, CDs. Dispose of these items at our recycling centres. Dispose of these items at our recycling centres.

**Collection:** Every 14 days. Please refer to the Freiburg waste collection calendar for collection days.

**Important:**
All packaging must be empty and clean. Yellow bags are available from ASF, many municipal offices and businesses. You can find a list of places where they are available in the Freiburg waste collection calendar.

## Glass

The glass container is for empty bottles and jars, sorted into clear, brown and green glass. You can dispose of blue coloured bottles along with green glass.

These items belong in the grey residual waste bin, NOT the glass container:
- Pieces of window glass, fireproof glass, mirrors, ceramics, porcelain.

**Important:**
Please note the accepted times for disposing of glass: Mon – Sat, 8am – 7pm. This is greatly appreciated by local residents.

**Advice line:** (0761) 76707-430
- Mon – Thurs: 8am – 12 noon / 1pm – 5pm
- Fri: 8am – 12 noon / 1pm – 3.30pm

**Fax:** (0761) 76707-9302
**E-mail:** info@abfallwirtschaft-freiburg.de
**Website:** www.abfallwirtschaft-freiburg.de

**Publisher:**
Abfallwirtschaft und Stadtrhörukgung Freiburg GmbH
Hermonstr.26, 79108 Freiburg

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16th of May 2019

Freiburg im Breisgau

Interreg Alpine Space GREENCYCLE

European Union
COLORS HELP SORTING

- **Grüne Tonne**: Green bin, Papier, Plastik, Karton
- **Gelber Sack**: Yellow bag, Buntmüll, Kunststoff, Metall
- **Braune Tonne**: Brown bin, Verpackungen, Glas, Textil
- **Graue Tonne**: Grey bin, Neue Materialien

16th of May 2019
Colors of waste containers

learning to sort made easy for a busy lifestyle

newcomers, for children, for everyone
containers in the refugees kitchens have the same colors as the containers
Mrs. Gills programme

Willy, the garbage man
BIOMÜLL kann mehr.

KEIN’ BOCK AUF PLASTIK IM BIOMÜLL.

www.wirfuerbio.de

+AUCH KOMPOSTIERBARE PLASTIKTÜTEN DÜRFEN NICHT IN DIE BIOTONNE.

#WIRFUERBIO

Freiburg IM BREISGAU

Interreg Alpine Space GREENCYCLE
Reduce ´n Save – Less Waste less fees
### Single-Household = 166 $ p.y.

- 35 l bin (8 gallons /2 buckets) fortnightly

### Family-Household of 4 = 252 $ p.y.

- 60 l bin fortnightly
REDUCE `N BRING YOUR RECYCLABLES

TO 28 ISLANDS FOR RECYCLABLES

TO 3 RECYCLING COURTS
1st GIVE AWAY SHELF in our department

“JUST BRING YOUR GIVE AWAYS TO WORK”

WE PROMOTE THE IDEA WITH
- THE MUNICIPALITY
- SCHOOLS
- BIG EMPLOYERS
<table>
<thead>
<tr>
<th>Waste fraction</th>
<th>t</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glas</td>
<td>6.500</td>
</tr>
<tr>
<td>Paper</td>
<td>19.000</td>
</tr>
<tr>
<td>Electric/Electronic devices /lamps</td>
<td>1.500</td>
</tr>
<tr>
<td>Organic Waste</td>
<td>15.500</td>
</tr>
<tr>
<td>Household waste (grey bin)</td>
<td>20.700</td>
</tr>
<tr>
<td>Bulky waste</td>
<td>4.000</td>
</tr>
<tr>
<td>Excavation soil</td>
<td>63.000</td>
</tr>
<tr>
<td>Etc.</td>
<td>...</td>
</tr>
<tr>
<td><strong>Total amount of waste private households</strong></td>
<td><strong>160.000</strong></td>
</tr>
</tbody>
</table>
Avoiding Waste Measures

No disposable dishes allowed during markets and parties on public ground.
“THE HANDY-ACTION”
used mobile phone collection
Coop
Deutsche Telekom
+
sustainability strategy Baden-Württemberg

URBAN MINING
up to 15 % phones for reselling
85 % material recycling

175 old handys collected for re-use or recycling

16th of May 2019
Germany

320,000 to go cups per HOUR!!!

= 40,000 t of waste after 15 minutes and per hour
TO GO IS NO GO

16th of May 2019
### Climate protection measures overview

<table>
<thead>
<tr>
<th>Field of action</th>
<th>CO² savings in t/y</th>
<th>Investment sum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings – renovation and new buildings</td>
<td>4404</td>
<td>6.8 Mio $</td>
</tr>
<tr>
<td>Change of energy supply</td>
<td>3588</td>
<td>6.7 Mio $</td>
</tr>
<tr>
<td>Mobility and traffic</td>
<td>457</td>
<td>3 Mio $</td>
</tr>
<tr>
<td>Public relations</td>
<td>924</td>
<td>1.9 Mio $</td>
</tr>
<tr>
<td>Procurement and infrastructure</td>
<td>2254</td>
<td>1.9 Mio $</td>
</tr>
<tr>
<td>Crafts and Industry</td>
<td>4938</td>
<td>2 Mio $</td>
</tr>
<tr>
<td><strong>Sum</strong></td>
<td><strong>16.565</strong></td>
<td><strong>23 Mio $</strong></td>
</tr>
</tbody>
</table>

16th of May 2019

Freiburg

Interreg Alpine Space GREENCYCLE
WASTE MANAGEMENT CONCEPT OF CIY OF FREIBURG 2015

Thank you for coming!
Enjoy your stay

https://www.freiburg.de/pb/233058.html

https://www.freiburg.de/pb/372840.html