

# Household waste management in Luxembourg

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VALORLUX  ASBL

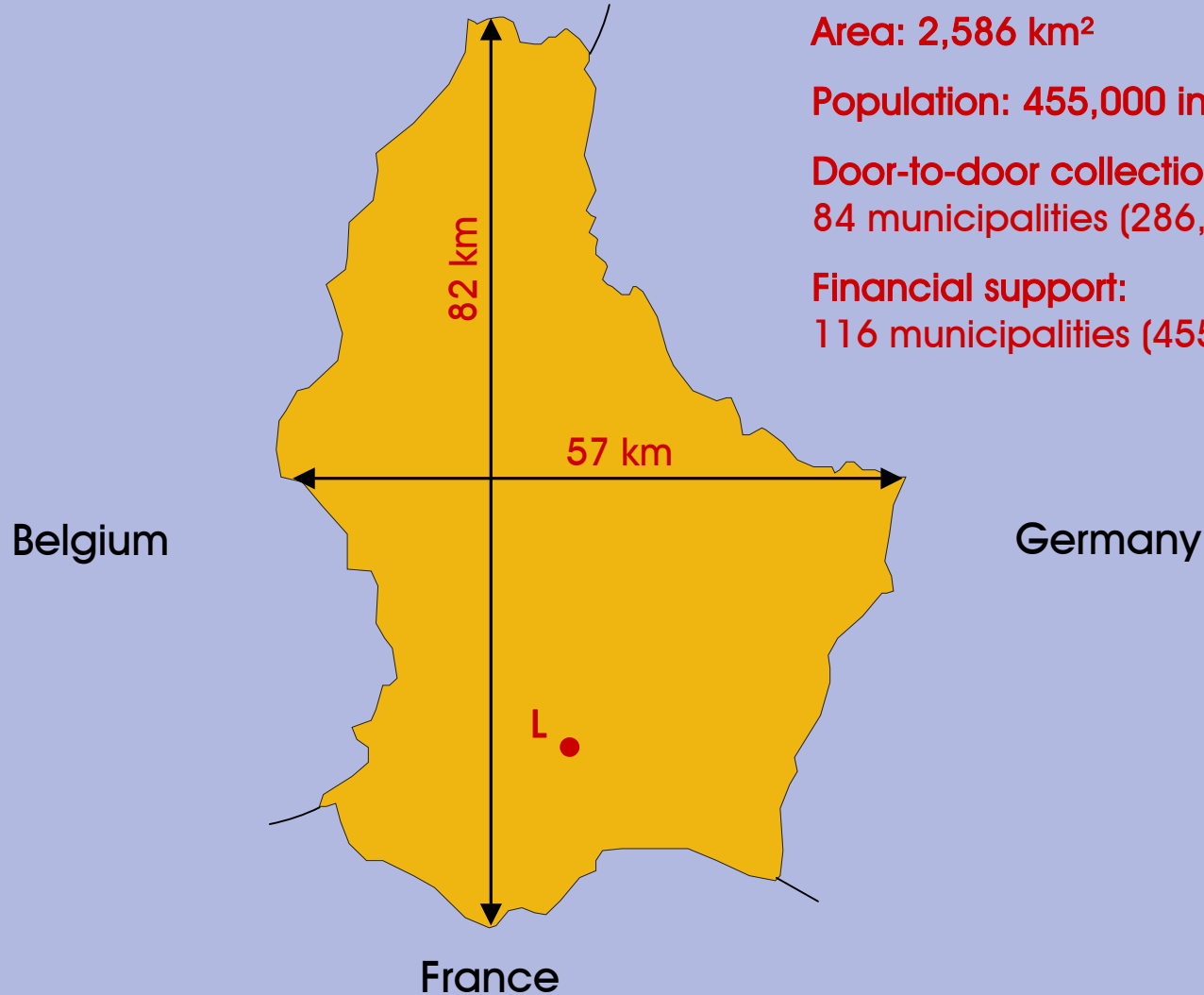
# Luxembourg

Area: 2,586 km<sup>2</sup>

Population: 455,000 inhabitants

Door-to-door collections:  
84 municipalities (286,000 inhabitants)

Financial support:  
116 municipalities (455,000 inhabitants)



# Household waste

In 2005, Household waste amounted to:

– Compostable waste	52 kt
– Household waste	124 kt
– Toxic waste	2.2 kt
– WEEE	3.7 kt
– Bulky refuse	14.1 kt
– Household packaging	61.4 kt
 Total	 +/- 257 kt

# Compostable waste

- **Collection scheme**
  - Collected by the « green bin » (1/3 with chip) on a door-to-door basis or in recycling centres
- **Processing**
  - 52 kt are being composted (104.1 €/t)
  - Biomethanisation is in project
- **Responsible Party**
  - Local municipalities or unions

# Household waste

- **Collection scheme**
  - Collected by the « grey bin » (1/3 with chip) on a door-to-door basis
- **Processing**
  - 2/3 = 82.7 kt are incinerated (96.68 €/t)
  - 1/3 = 41.3 kt go to landfill sites (166–200 €/t)
- **Responsible Party**
  - Local municipalities or unions

# Toxic waste

- **Collection scheme**
  - Collected in recycling centres or on a village to village basis
- **Processing**
  - 2.2 kt (... €/t)
  - Sorting in Luxembourg
  - Processing outside of Luxembourg
- **Responsible Party**
  - SDK (Environment administration)

# WEEE

- **Collection scheme**
  - Collected in recycling centres or at the supplier's
- **Processing**
  - 3.7 kt (€/t according to the local recycling fee)
  - Sorting in Luxembourg
  - Processing outside of Luxembourg
- **Responsible Party**
  - Ecotrel on behalf of its members

# Bulky refuse

- **Collection scheme**
  - Collected on command on a door-to-door basis or in recycling centres
- **Processing**
  - 14.1 kt (129 – 200 €/t)
  - Sorting and processing in Luxembourg
- **Responsible Party**
  - Local municipalities or unions

# Household packaging

- **Collection scheme**

- Door-to-door collection (blue bag for PMC, ...)
- Bring system to bottle banks, roadside containers, recycling centres, ...

- **Processing**

- 55.2 kt (61.4 kt)
- Sorting in Luxembourg
- Processing in and outside of Luxembourg

- **Responsible Party**

- Local municipalities or unions
- VALORLUX on behalf of its members
- The responsible for packaging (fillers, importers, ...)



# Household packaging

- **Collection costs:**

- Door-to-door collection of PMC:

- A lorry, a driver, a workman      75 €/h
    - An additional workman      25 €/h
    - A blue bag      0.034 €/bag
    - Sorting centre      226 €/t

- Bring system = financial support to the local authorities (75% of real costs)

- Glass      26.67 €/t
    - Paper / Cardboard      11.78 €/t
    - Plastics      152.45 €/t
    - Metals      152.45 €/t
    - Beverage Cartons      58.92 €/t

# Recycling and Recovering Results for 2005

Materials	Declared amount	Collected amount	Recycling and recovering rates
Glass	25.359 t	16.848 t	66.44%
Paper / Cardboard	15.069 t	13.618 t	90.21%
Plastic	7.714 t	2.958 t	38.35%
Metal	3.775 t	2.363 t	62.60%
Beverage Cartons	790 t	679 t	85.95%
Other	2.480 t	0 t	
Recovered sorting residue		333 t	
Total Declarations	55.214 t		
Total Recyclable		36.466 t	66.04%
Total Recoverable		36.799 t	66.65%

# Budget 2006

- **Expenses**

Door-to-door collections	47.5 %
Financial support	23.4 %
Communication	11.1 %
Other	18.0 %
Total	100.0 % = 4.993.575 €

- **Incomes**

Green Dot fees	87.5 %
Sale of sorted materials	12.5 %

# General remarks

- Recycling rates
- Prevention
- Littering

For further information, please visit

[www.valorlux.com](http://www.valorlux.com)

Thank you for your attention !