



*The Belgian accredited organism for the take-back obligation of industrial packaging waste*

# VAL-I-PAC, Accredited for the take-back obligation of industrial packaging waste in Belgium

Created by Belgian business world in 1997 (as non-profit organisation),

➤ Ensure that its members fulfil their take-back obligations:

- 85% overall recovery target, 80% overall recycling target,
- + recycling targets per material.

➤ Encourage the selective collection of industrial packaging waste through financial incentives and communication programmes.

▪ 8.000 members (fillers, packers and importers)

- *650 000 tons, 84% of the market.*
- *annual declaration, basis for yearly contribution*

▪ 200+ accredited waste operators report

- *monthly declaration of volumes sold to recycling*
- *information on unpackers who receive incentives for selective collection*

▪ Multi-material and multi-sector approach

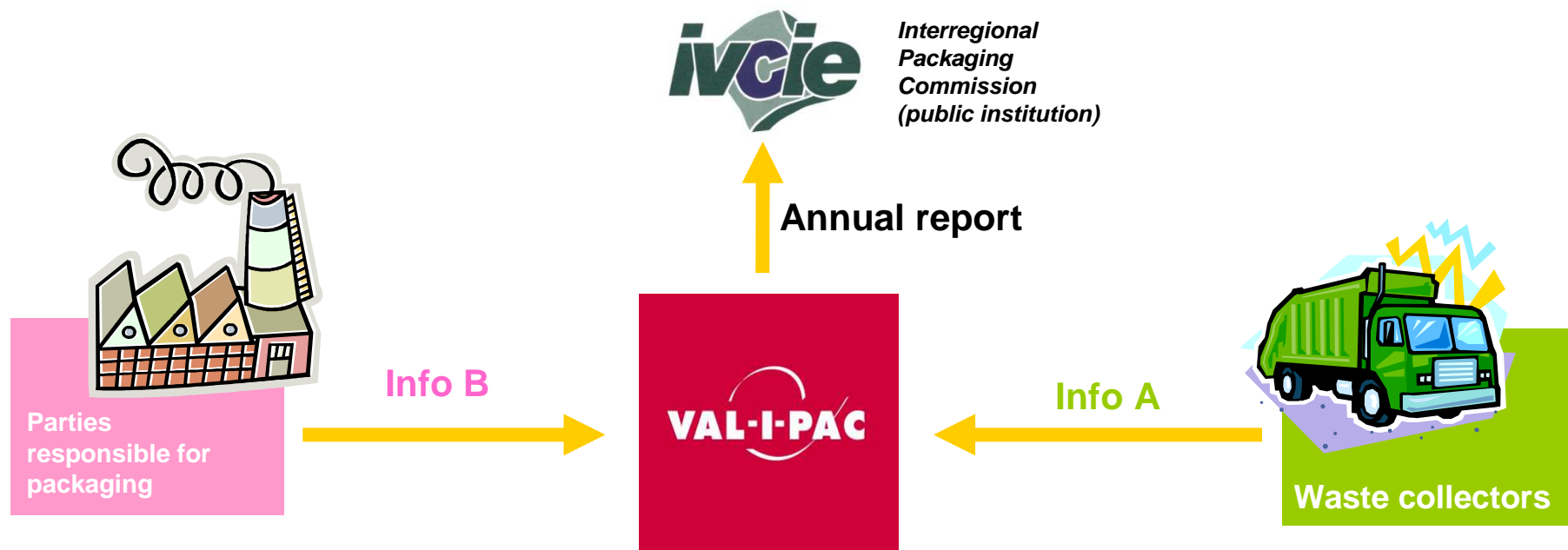
▪ Limit added cost, limit additional admin

▪ Work with existing operators, allowing free market

# The VAL-I-PAC system

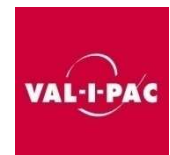
VAL-I-PAC handles a **large amount of information** in order to reach the legal obligation of its members:

- *The amount of packaging brought onto the market by the 8.000 producers/members (Info B)*
- *The amount of packaging waste collected and put into recycling by the 240 waste collectors (Info A).*



**Amount of industrial packaging waste processed (Info A)  $\geq$  80%**

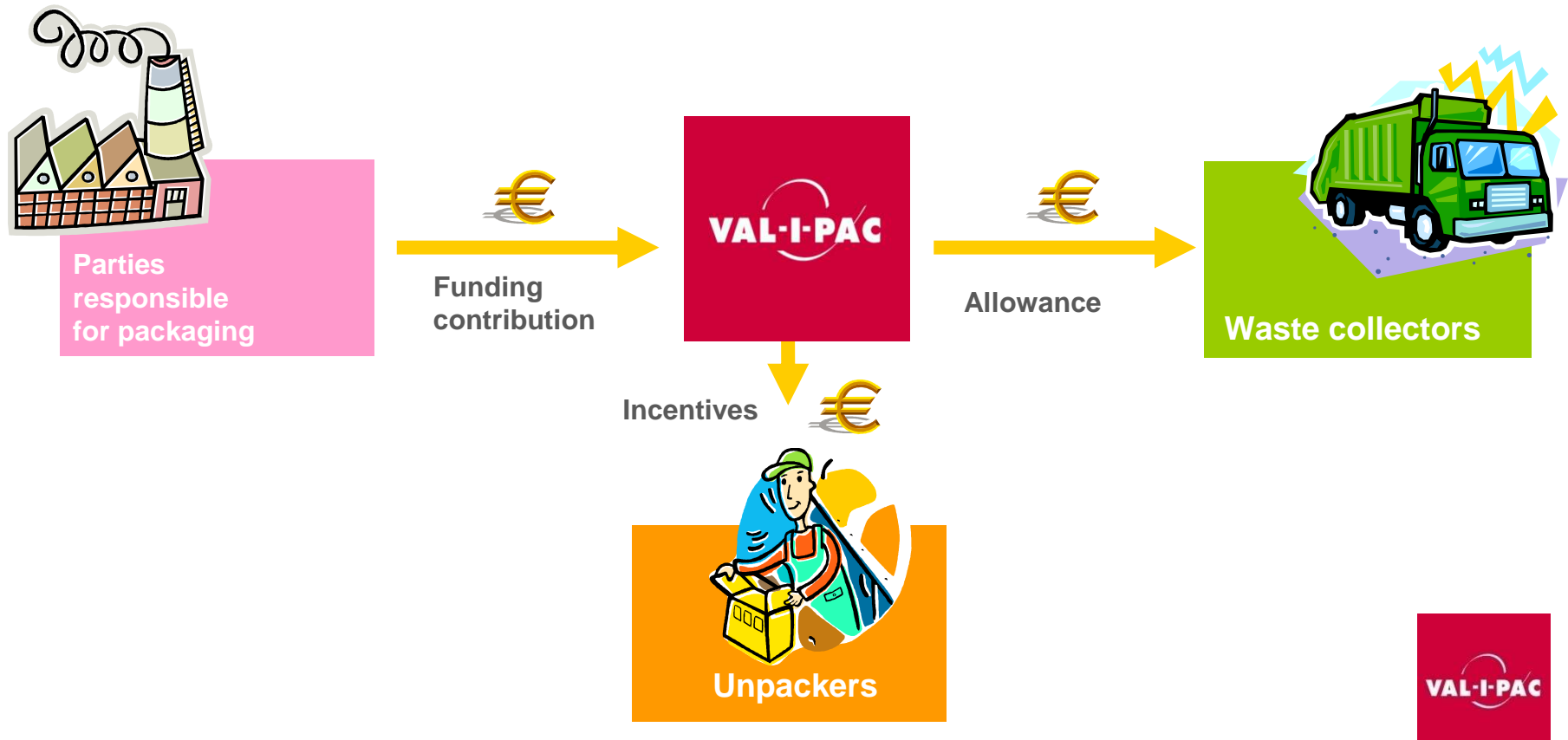
**Amount of industrial packaging brought onto the market (Info B)**



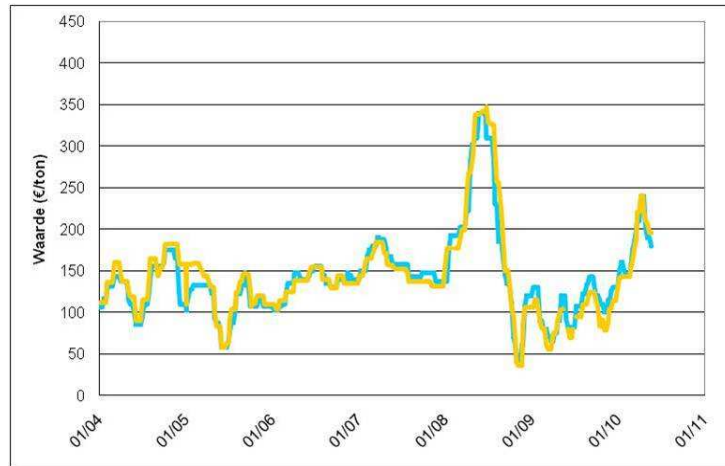
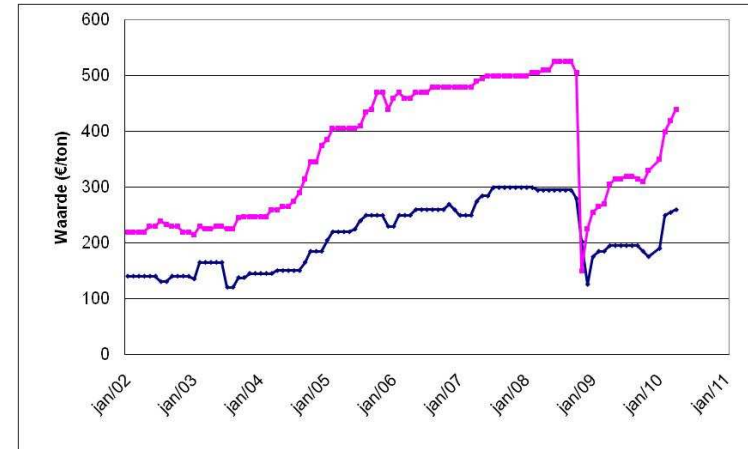
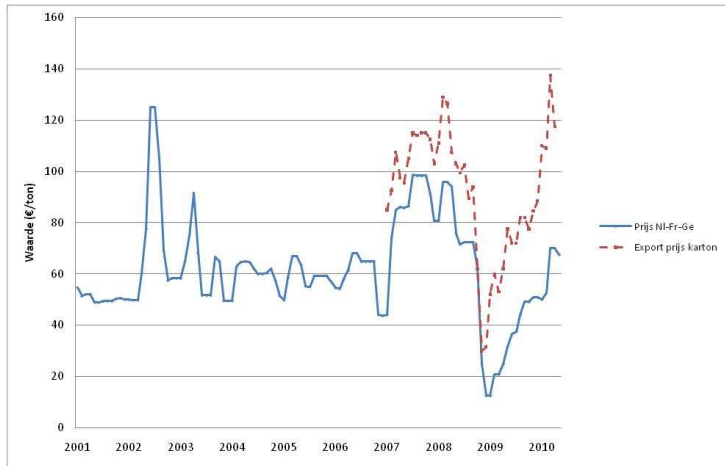
# The VAL-I-PAC system

The members are paying an **annual fee** which allows VAL-I-PAC to:

- ✓ Remunerate the waste collectors for the information they give;
- ✓ Encourage the selective sorting of packaging waste thanks to incentives;
- ✓ Cover the operating costs (personnel + infrastructure).



# Value of recycling materials, the motor for recycling



# VAL-I-PAC fuels the motor with its financial incentives: the VAL-I-PAC forfaits

## Cost of mixed waste

- Rent of container
- Transport
- Cost of incineration/landfill
- Environmental taxes

## Cost/Benefit of sorted waste

- Rent of # containers
- Transport
- Value of recycling materials
- VAL-I-PAC incentives
- Minimal residual waste

# The incentives

## The recycling incentives

*€ 40/ton recycled plastic:*

The recycling incentives for industrial plastic packaging waste delivered by the unpackers in homogenous lots for recycling.

*€ 10/ton recycled wood:*

For wood only if shredded to be used as a raw material in the manufacture of particleboard.

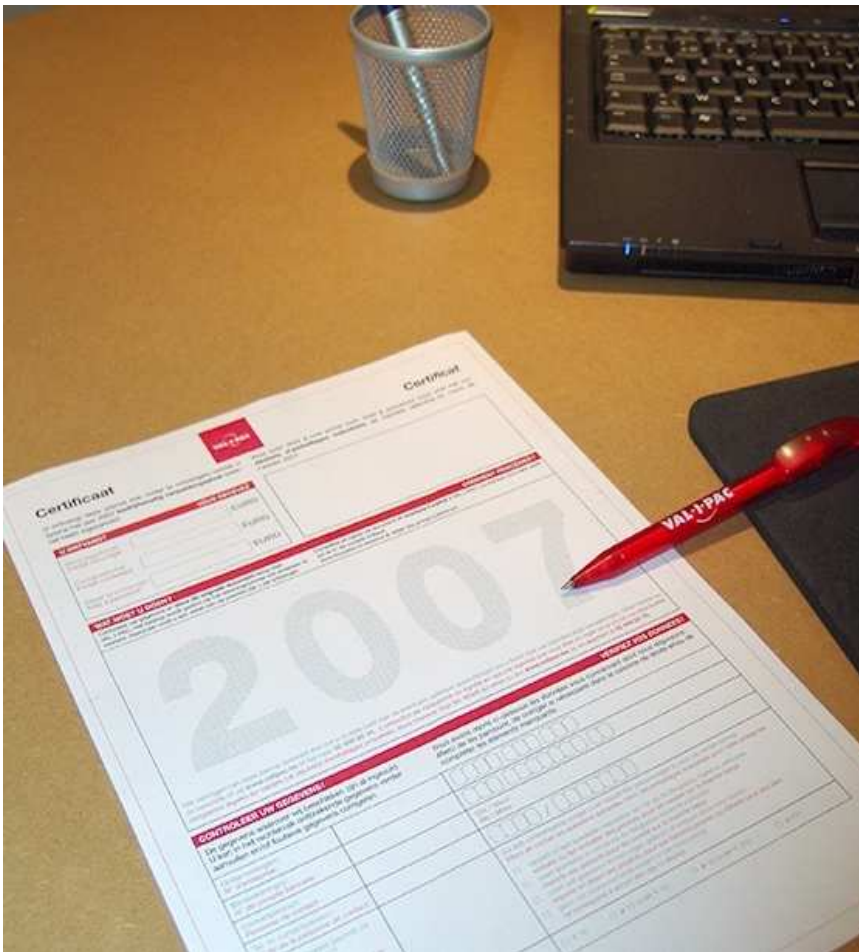
## The container incentive

€ 60 to €110 per selective container, mainly packaging

€ 0.5 per plastic bag for collection of plastic packaging waste

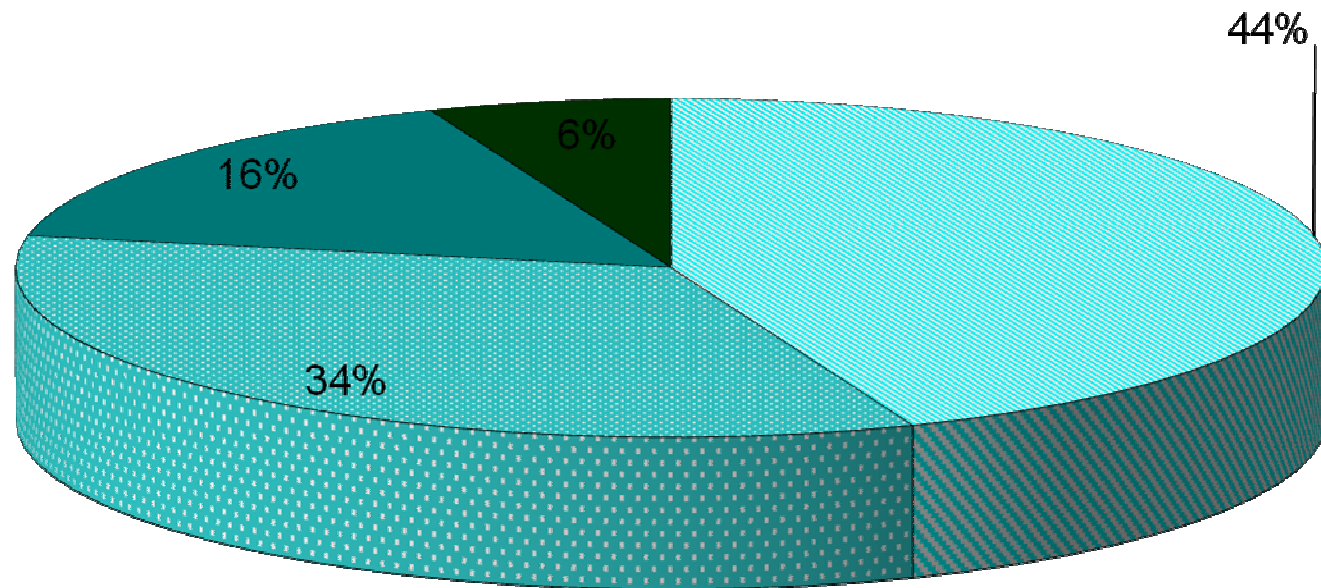
***=> VAL-I-PAC pays every year incentives to more than 20 000 companies !!***

# The certificate

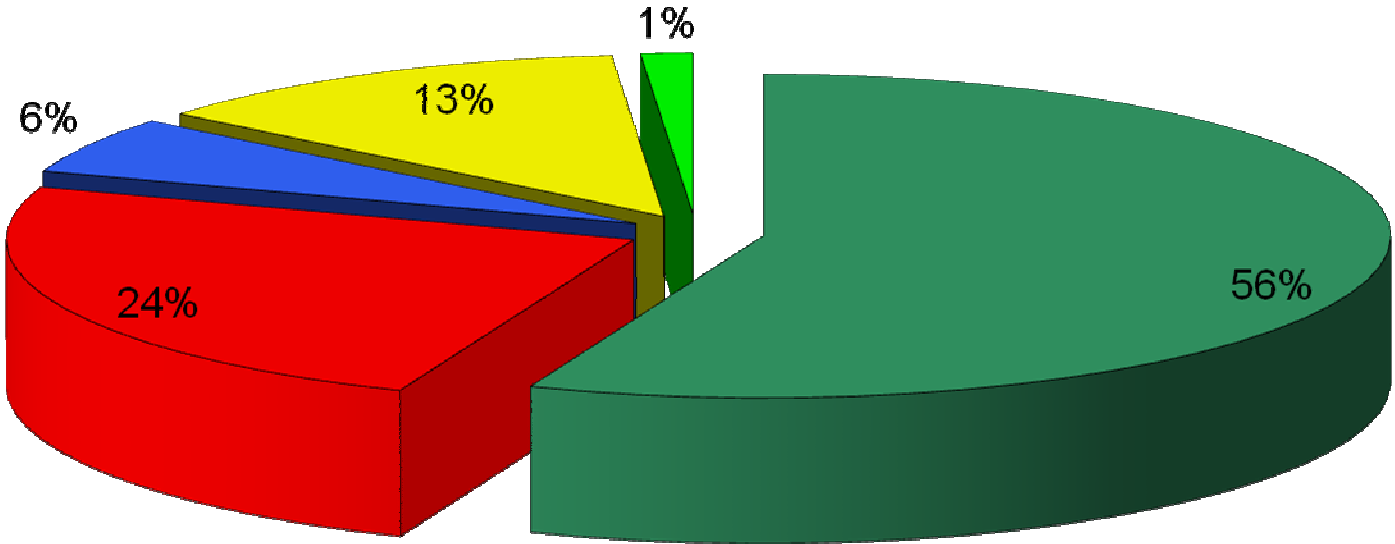


1. The operator introduces at VAL-I-PAC a substantiated request for incentives per customer/unpacker .
2. VAL-I-PAC checks and verifies. A certificate with a right to the incentive(s) is made up. The operator sends the certificate to his customer.
3. The customer signs the certificate and returns it to VAL-I-PAC.
4. VAL-I-PAC pays directly to the unpacker.

78 % of the certificates with incentives are paid to S.M.E.'s

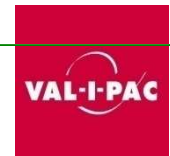
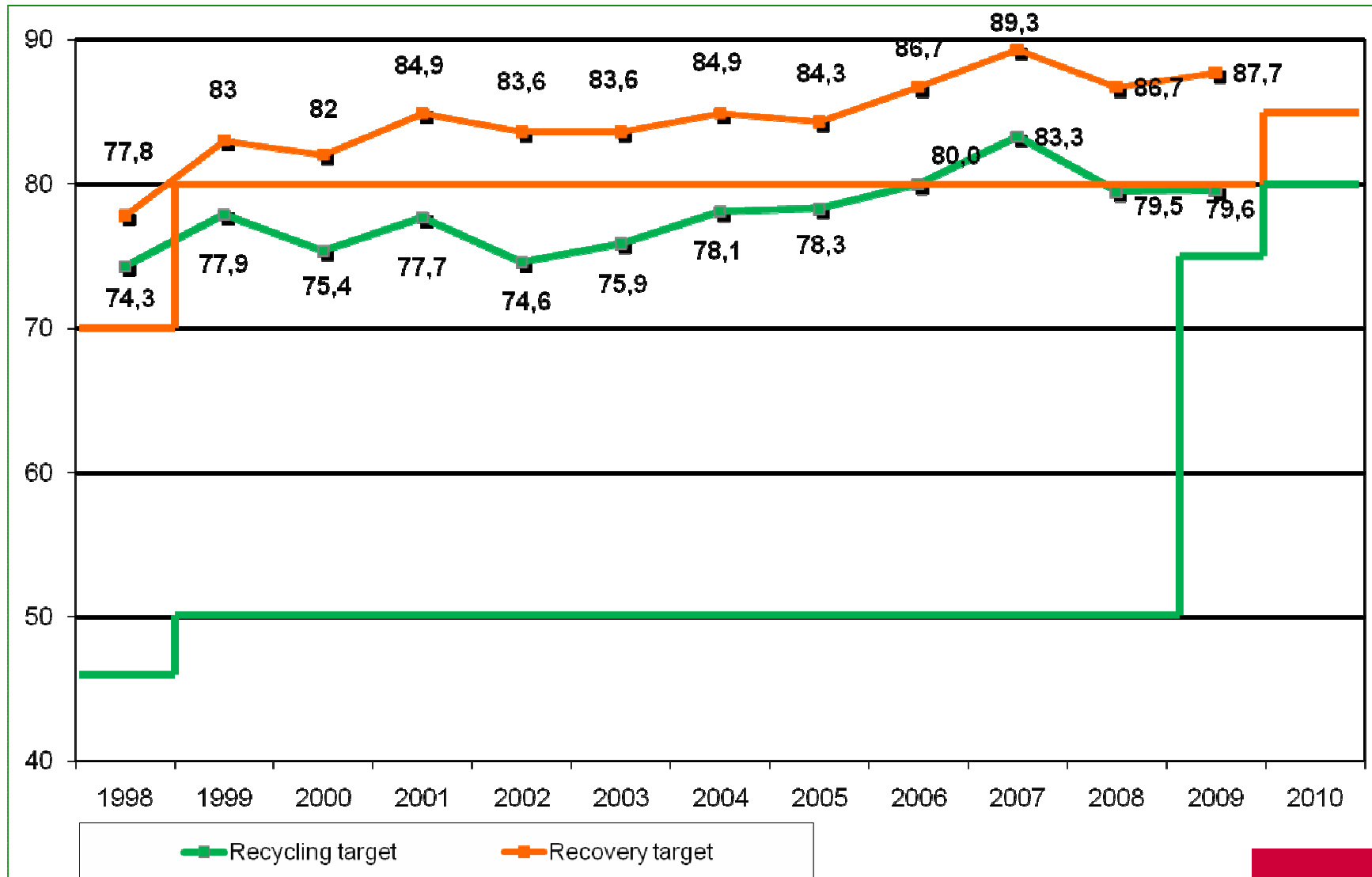


# The Packaging materials



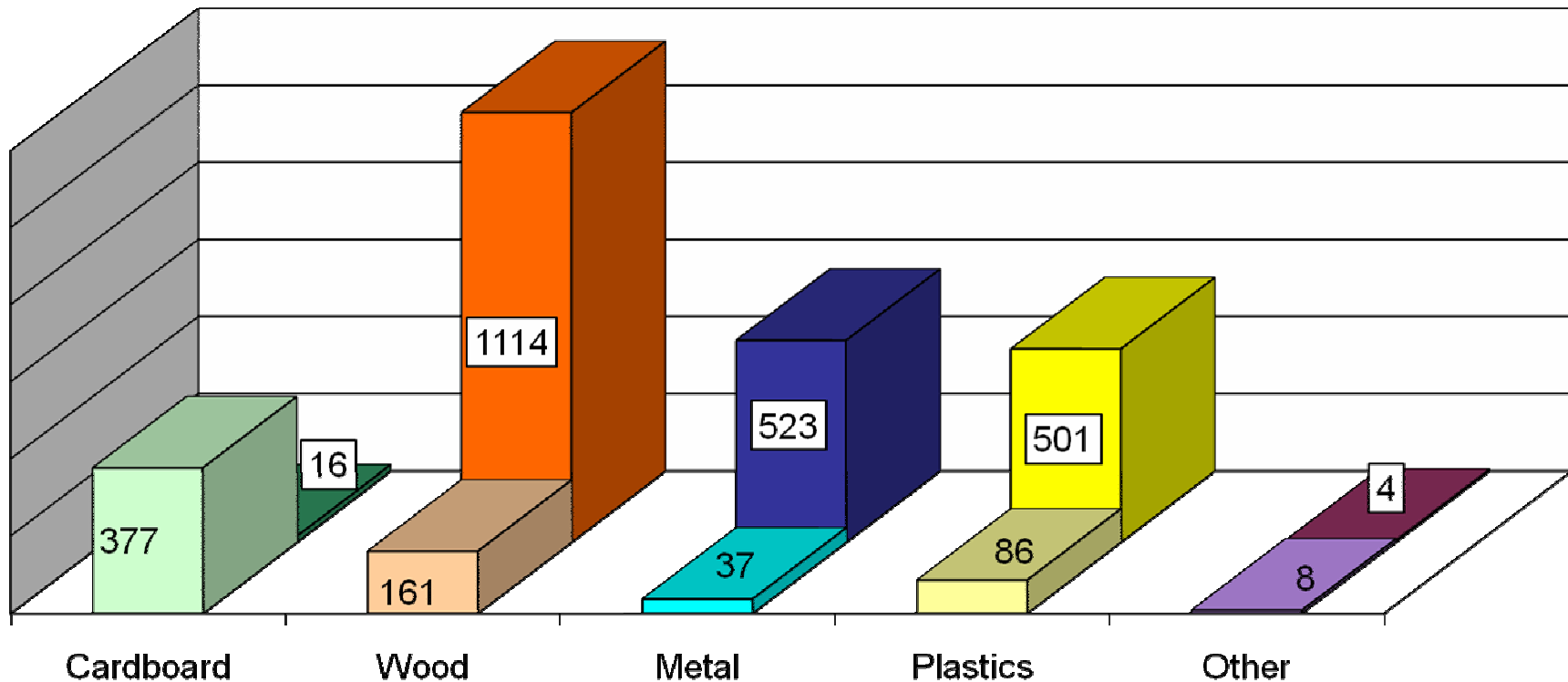
■ Cardboard ■ Wood ■ Metals ■ Plastic ■ Other

# Evolution of % Recycling and Recovery



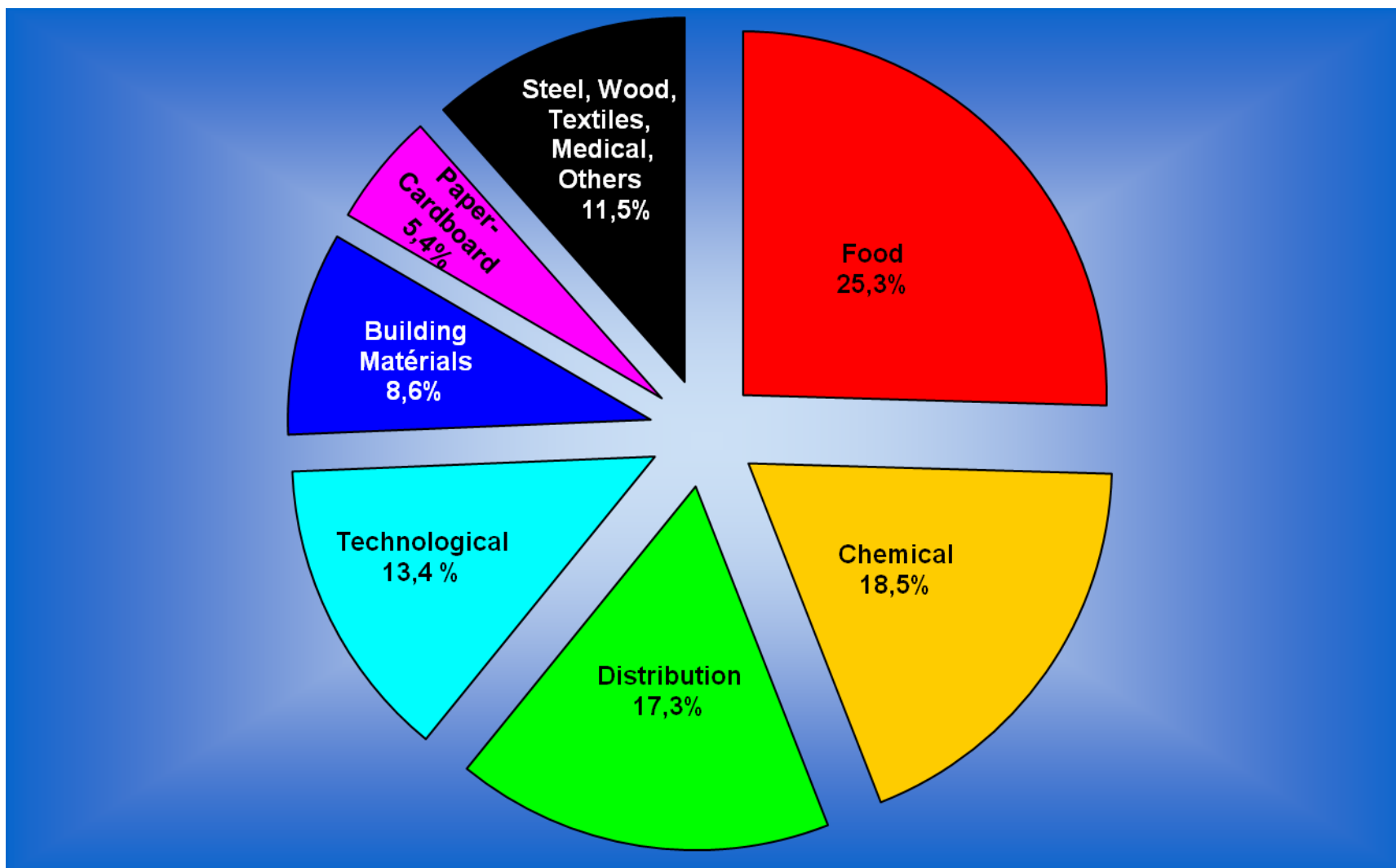
## Industrial Packaging (x1000 ton)

Both re-usable and recyclable!



- Cardboard most important material in one-way packaging
- 53% of our members declare using re-usable packaging.
- Total tonnage re-useable = **3,2 x** tonnage of one-ways !

# Relative importance of sectors



# *List of the founders of the VAL-I-PAC system*

## **Federations:**

Food, chemicals, pharmaceuticals, medical devices, building materials, distribution, paper, wood, textile, electrical and electronics, machinery, metals, feed compounders,...

## **Companies:**

Procter & Gamble, Coca-Cola Enterprises Belgium, Agfa-Gevaert, Barry Callebaut, Bevepal, Borealis, Campina,, Eternit, Groupe DANONE, Henkel Belgium, Inbev Belgium, Janssen Pharmaceutica, Kraft Foods, Materne-Confilux, Mittal steel Belgium, Nestlé Belgilux, Smith & Nephew, Solvay België, Spa Monopole, Total Petrochemicals, Unilever, Vandemoortele, Van Genechten Biermans, VPK Packaging Group, Wienerberger Bricks.

## **Regional employers organizations:**

Flanders, Wallonia, Brussels