

# Green and ambitious



Luc Joine, General Manager

# GEOGRAPHIC SNAPSHOT

1.016.777 inhabitants

-  
72 municipalities  
affiliated



# OUR VALUES

- **Sustainable values**
  - Engaged green management
  - Engaged economic management
  - Engaged social management
- **Continuous quality and improvement-  
EMAS**



# HOUSEHOLD WASTE

2013

510.400 tons processed by Intradel

**Population : 1.016.777 inhabitants (+0.4 %)**

	2010	2011	2012	2013
Tons	483.400	517.800	512.500	<b>510.400</b>
Kg/inh/Y	484	514	506	<b>502</b>

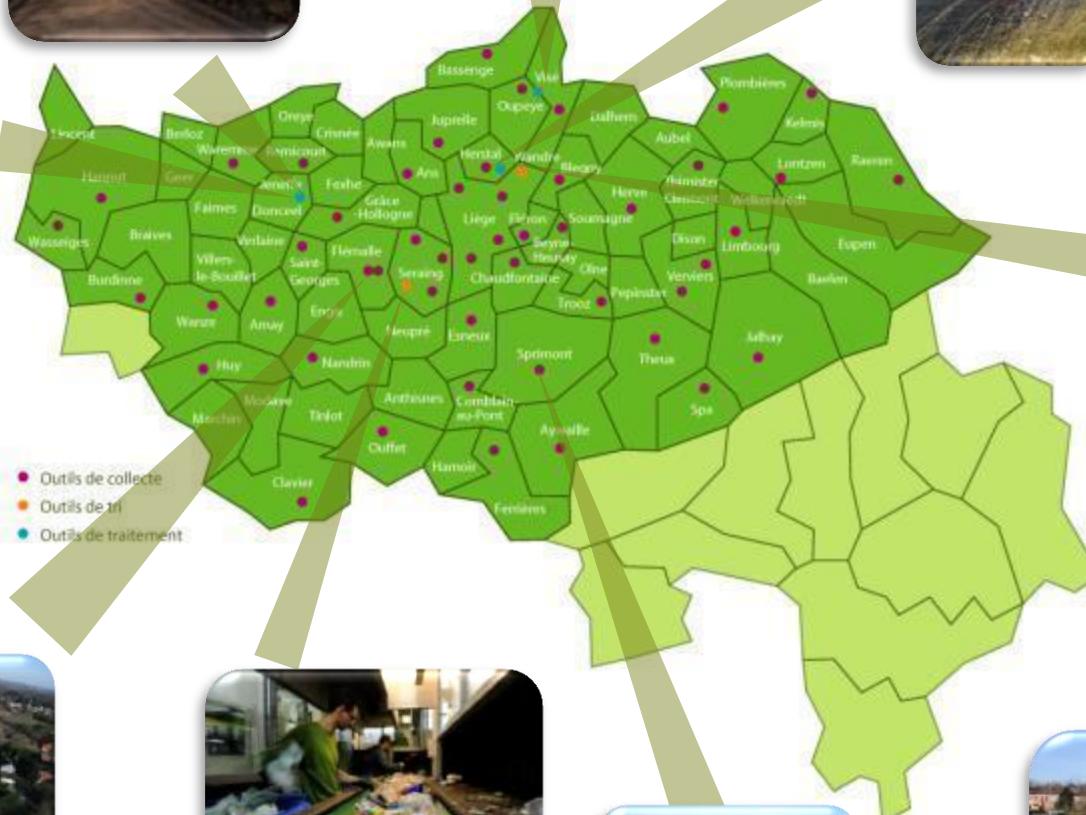
## GOALS 2013

- max 510 kg/inh/Year
- 30% residual household waste
- 70% selective collects

10% selective collects



## Our tools...



# Civic Amenity Center

46% of all the collections



- ◎ 49 sites
- ◎ 31 fractions collected
- ◎ 1.911.179 visitors in 2013
- ◎ 237.018 tons collected
- ◎ Recycling value : 82% in 2013 (96% without C&D Waste)
- ◎ Computerization : « *for the first time in Belgium* »



About 7.500 visitors a day in our recyparscs

# SELECTIVE COLLECTIONS RESULTS

13% of the collections

PACKAGING WASTE ET PAPER-CARDBOARDS (DOOR TO DOOR)

Packaging waste (blue bags) : 2 times a month



Paper-cardboards : 2 times a month



2013 : Paper-cardboards : 47.171 tons  
Packaging waste : 15.586 tons collected

# GLASS COLLECTION

5,1% of the collections

25.715 tons in 2013



1.100 sites  
2.300 BB

# MICROCHIPS CONTAINERS AND ORGANIC WASTE COLLECTIONS

Organic waste 3.4 % of the collections

Résidual waste 29 % of the collections

**2 containers / family:**



87 kg/year residual waste

52,7 kg/year organic waste

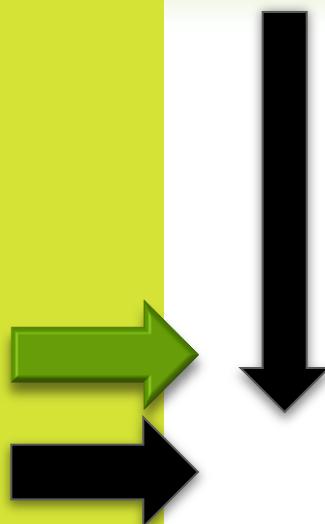
Containers :  
40, 140, 240 litres



# COLLECTIONS RESULTS

36 MUNICIPALITIES ON 72

**159 kg/inhab/year of residual waste (2008)**



**133 KG/INHAB/YEAR**

**37 kg organic waste**

**96 kg/inhab/Year residual waste**



**« Organic waste quality »**

# COLLECTIONS EVOLUTION (TONS)

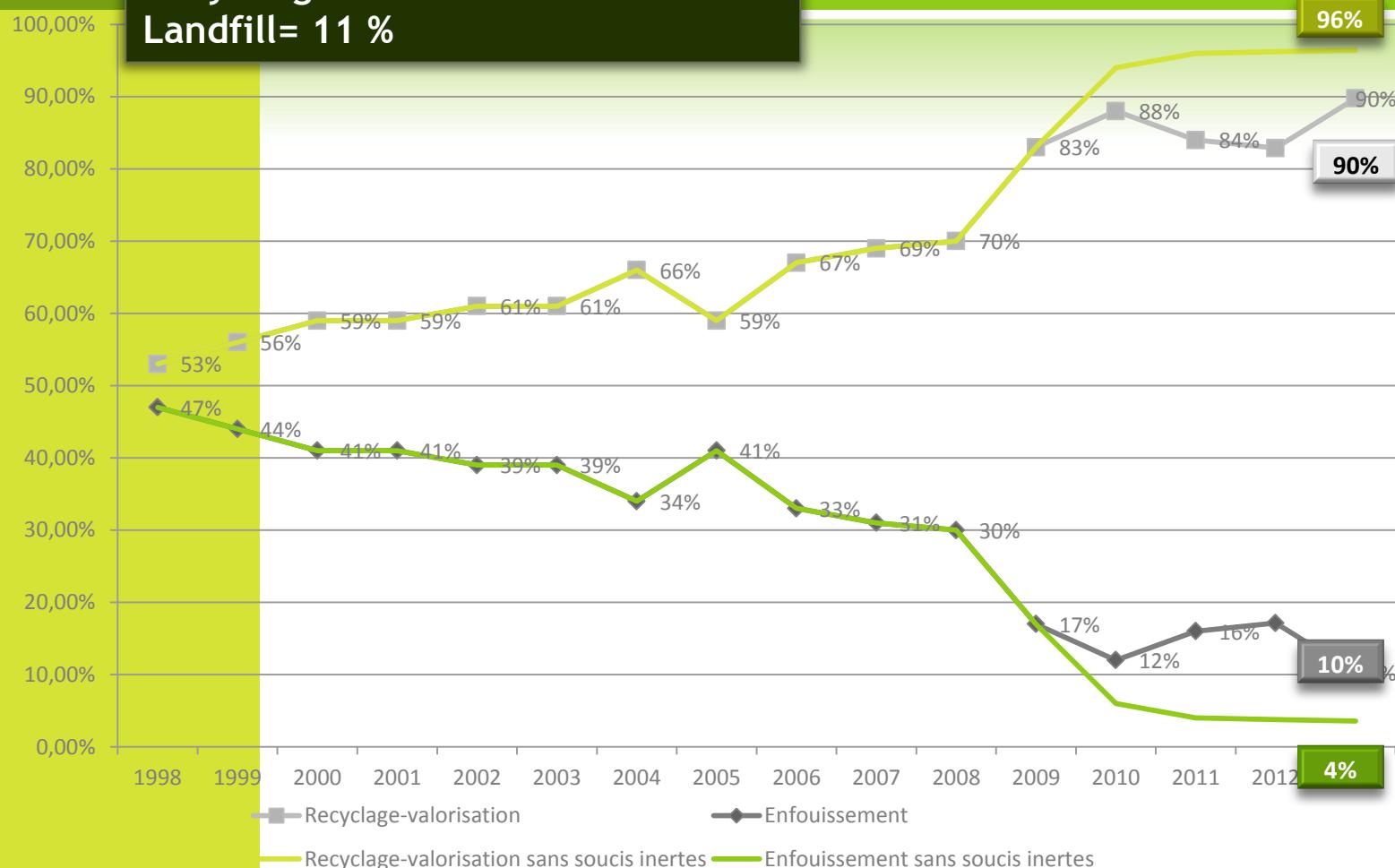
	2000	2009	2012	2013	Δ 2013-2012	Δ 2013-2012 %
HOUSEHOLD WASTE COLLECTIONS	180.500	163.000	142.400	141.900	-500	0%
OTHER TOWNs COLLECTIONS	17.500	18.400	15.800	16.300	500	3%
SELECTIVE COLLECTIONS	197.700	322.200	354.300	352.200	-2.100	-1%
Civic Amenity Center	124.300	222.900	237.900	237.000	-900	0%
Paper-cardboards, blue bags, glass	68.400	89.100	90.400	88.500	-1.900	-2%
Organic wastes	0	3.000	17.900	18.000	100	1%
Vegetal towns wastes	5.000	7.200	8.100	8.700	600	7%
<b>TOTAL</b>	<b>395.700</b>	<b>503.600</b>	<b>512.500</b>	<b>510.400</b>	<b>-2.100</b>	<b>-1%</b>

# RECYCLING / VALORIZATION AND LANDFILL

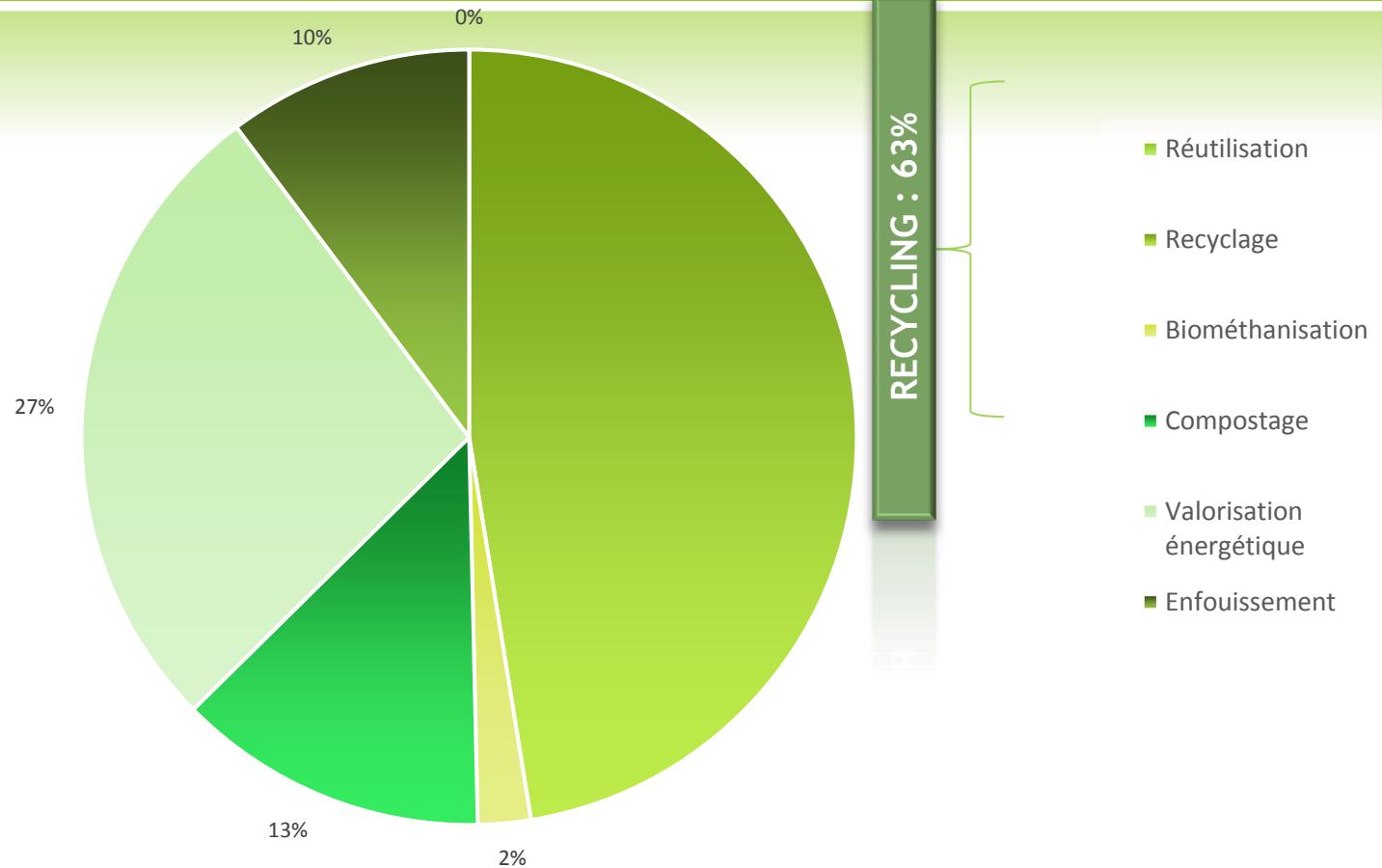
**Target 2013**

**Recycling / valorisation = 89 %**

**Landfill= 11 %**



# Treatment processes 2013



Target 2013 : Recycle at least 60 %

# FISCALITY – COSTS

	Réalisé	Budget	Δ	Δ
Prévention et communication	0,41 €	0,43 €	-	0,02 €
Recyparcs	15,04 €	15,86 €	-	0,82 €
Collectes	21,16 €	21,02 €		0,14 €
OM résiduelles et organiques	20,79 €	20,65 €		0,14 €
PMC	- €	- €		- €
Papier/carton	- €	- €		- €
Verres	- €	- €		- €
Encombrants, sapins de noël,..	0,37 €	0,37 €		- €
Transfert fluvial	0,05 €	- €	0,05 €	100%
Traitement	12,46 €	13,44 €	-	0,98 €
Valorisation énergétique	9,00 €	9,27 €	-	0,27 €
Biométhanisation	2,99 €	3,66 €	-	0,67 €
Compostage	0,47 €	0,51 €	-	0,04 €
Frais de structure	3,46 €	4,21 €	-	0,75 €
<b>TOTAL</b>	<b>52,57 €</b>	<b>54,96 €</b>	<b>-</b>	<b>2,38 €</b>
				<b>-4%</b>

Around 1 €/inhab./week



**OUR PAST ENERGETIC VALORIZATION UNIT**  
**From past to future...**

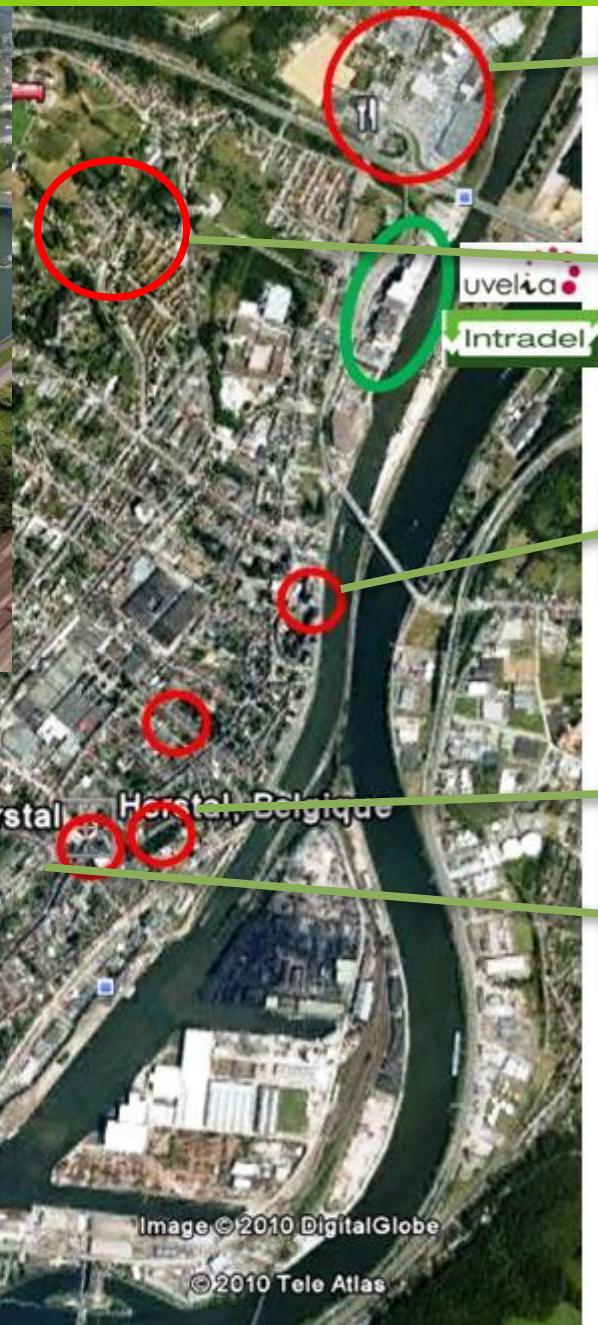
# THINK GLOBAL



Past energetic  
valorization unit



Biomethanisation  
unit



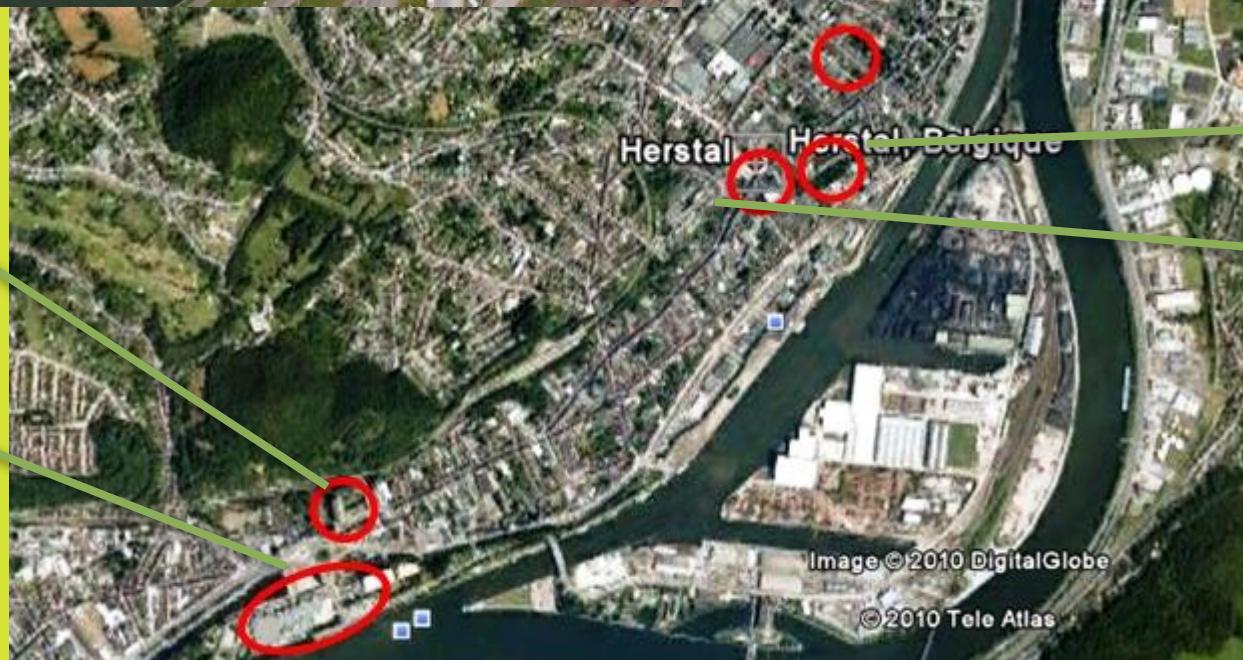
Mall

Social  
Housing

Schools &  
Hospitals

Pool

Administrative  
services



Housing

Congres Hall

Image © 2010 DigitalGlobe

© 2010 Tele Atlas

# ENERGETIC VALORIZATION

100%  
valorization



Capacity : 370.000 tons  
Global invest : 200.M€

Electricity production :  
210.000 MWh; at least a year  
of consumption for 54.000  
households



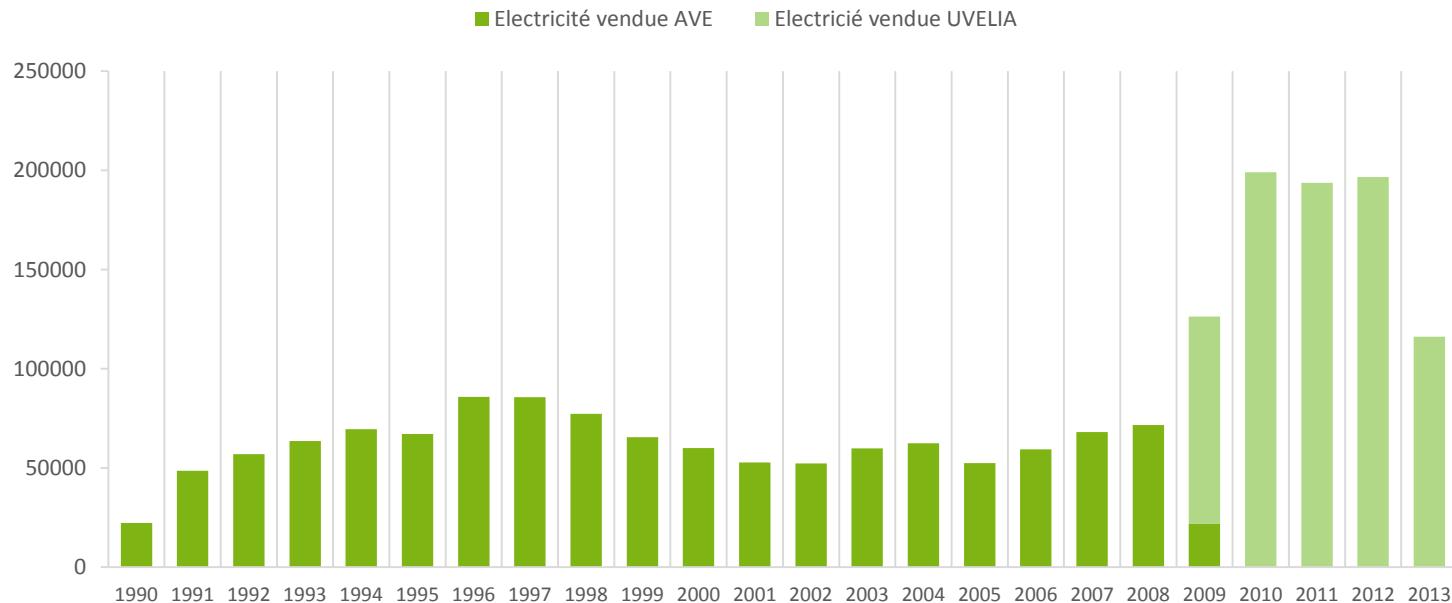
## Fluvial transportation :

- 50.000 tons/year
- +/- 80 km

# Green energy production

	2012	2013	Δ	Δ%
MWh	196.694	116.127	-80.567	-41%

## Sold electricity



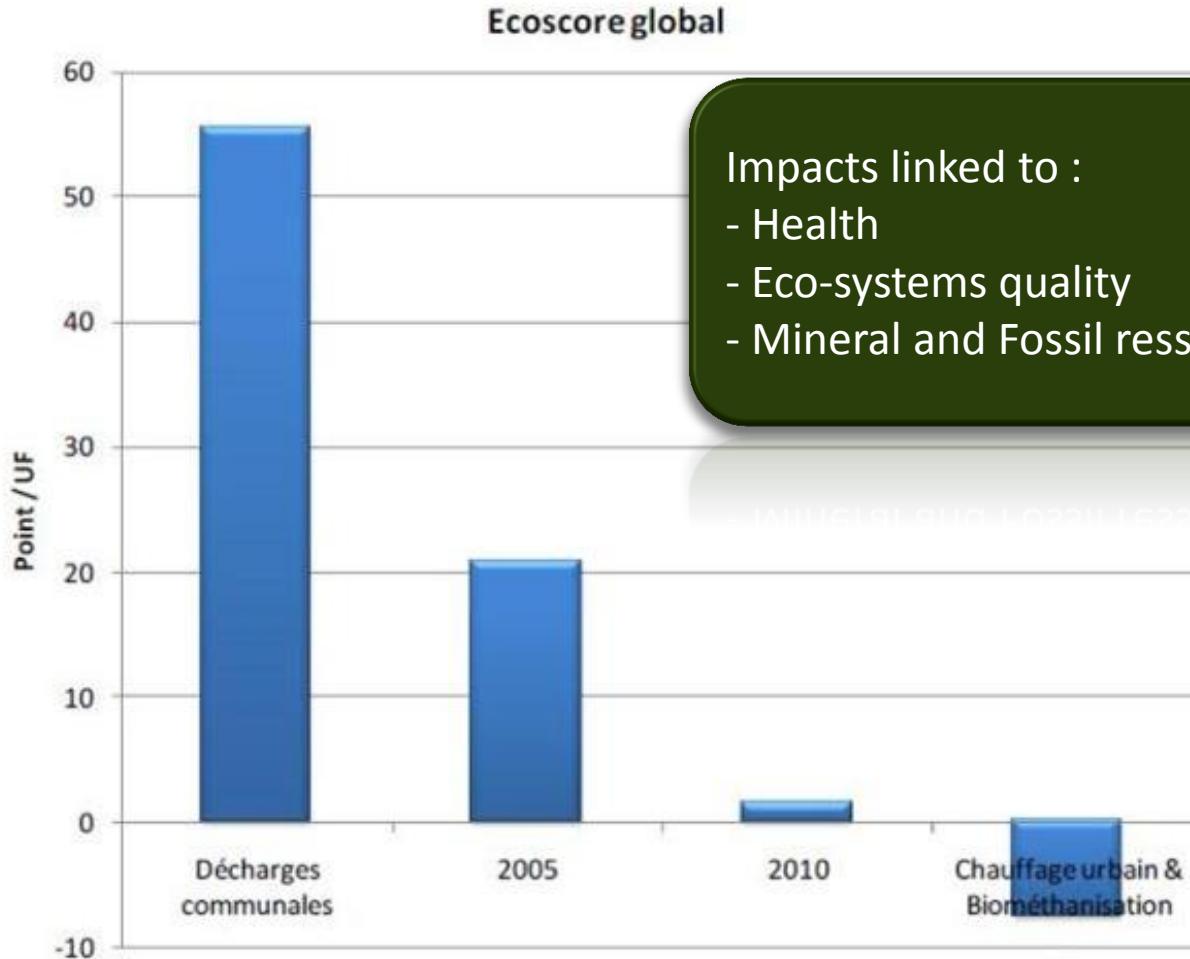
Evolution de la production d'électricité

# Our future biomethanisation unit



2017

# ENVIRONMENTAL IMPACT « LIFE CYCLE ANALYSIS »



Impacts linked to :

- Health
- Eco-systems quality
- Mineral and Fossil ressources use

# Thank you!

