

Activity Report 2007

SYCTOM (inter-communal household waste management group) in the Paris agglomeration

A new stage in sorting and material recovery

> Prevention: 2007 will have allowed the implementation of SYCTOM's policy of waste reduction at source and the improvement of waste recovery, with the support of actions conducted by the municipalities, SITOM93 and SYELOM. In parallel, the Group has reinforced its waste recovery capacities in order to avoid waste dumping.

> Transition: With the commissioning of the Isséane centre in December, the Group has signed a remarkable industrial and technological exploit and has entered a new phase of activity. The waste recovery capacity will be reinforced in 2008 with the new centres at Issy-les-Moulineaux and Sevran.

> Achievements: The opening of these plants, the coming construction of the Paris XV sorting centre and the Paris XVII project of the same type testify to the priority given to sorting and material recovery. The methanization projects (at Romainville and Le Blanc-Mesnil / Aulnay-sous-Bois) also take that direction with the aim of increasing our still insufficient waste treatment capacities and reducing dumped tonnages by 2012. They also prove the success of collaboration with the local authorities and local partners for the implementation of sustainable logistic waste management.

> Commitment: Our commitment to preserving the environment and reducing greenhouse gas emissions is illustrated by a strong ambition: transforming non-recyclable waste into a local energy source (for the production of steam for urban heating and, residually, electricity) as a substitution for fossil energies.

> Mobilisation: These projects that come alive thanks to the mobilisation of our teams, partners and elected representatives are all references for updating practices and contributing to better waste management, especially at a time when the issues of environment and waste are very present in the news, especially at a regional level with the future household waste disposal plan.

François DAGNAUD,
Chairman of SYCTOM in the Paris agglomeration

Leading facts

475kg per year per inhabitant

That is the quantity of household waste treated by SYCTOM in the Paris agglomeration (excluding waste deposited at waste accumulation sites) in 2007, compared to 494kg per year per inhabitant in 2001. This significant drop encourages the Group and the associated municipalities to pursue a voluntarist policy of waste prevention and reduction at source.

68%

of the household waste treated by SYCTOM in the Paris agglomeration was recovered in 2007. The recovery rates for materials (24%) and energy (44%) will show a strong progression in 2008 with the operation of the Isséane multi-sector centre for a full year. (opened in December 2007) and the commissioning of the Sevran sorting centre in June 2008.

+82%

An 82% progression in the volume of selectively sorted multi-materials entering SYCTOM sorting centres (including private centres) since 2001. The Group gives priority to material recovery of household waste. In 2007, it



favoured the development of selective sorting by continuing to provide an incentive-based grant to member municipalities.

37%

That is the material recovery rate for 202,559t of bulky items received at the Group's plants in 2007. This increase over the 2006 figure of 31% shows the joint efforts made by the municipalities and SYCTOM to increase the quality of waste collection and sorting

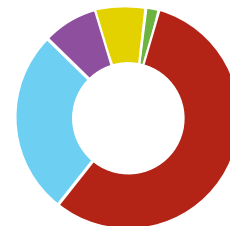
300,000

This will be, in 2008, the number of dwelling equivalents heated by the three incineration centres with energy recovery owned by SYCTOM for the Paris agglomeration (Ivry - Paris XIII; Saint-Ouen; Isséane). In 2007, before the commissioning of Isséane in December which

marked the end of the transition period, the Group produced 2,147,651 MWh of steam that allowed us to heat 220,000 dwelling equivalents.

2,479,243 tons

of household waste treated in 2007, broken down into the following treatment methods:



8.2% Sorting of bulk items

7% Sorting of selective collections

1.5% Waste brought into SYCTOM's waste accumulation sites

56.6% Incineration of household waste

26.7% Burial of household waste

2007 Key Figures ⁽¹⁾

(The figures within brackets correspond to the 2006 data)

Total tonnage of household waste in SYCTOM's territory,
2,652,210t
(2,653,916t)

Waste treated by SYCTOM
2,479,243 t
(2,491,498 t)

SYCTOM's centres:

- A multi-sector centre at **Issy-les-Moulineaux**, Isséane, comprised of a selective collection sorting unit, a bulky object sorting unit and an incineration centre with energy recovery;
- A multi-sector centre at **Ivry-Paris XIII** comprised of a selective collection sorting centre and an incineration centre with energy recovery;
- A selective collection sorting centre at **Nanterre**;
- A multi-sector centre at **Romainville** including a selective collection sorting unit, a bulk object sorting unit and a residual household waste transfer centre;
- A bulk object sorting centre at **Saint-Denis**;
- An incineration centre with energy recovery at **Saint-Ouen**.

Furthermore, complementary treatment capacities are mobilised in around twenty independent centres.

Human resources
As at 31/12/2007 :

- SYCTOM : 115 agents
- Private SYCTOM waste treatment centre operators: 753 agents, including
 - TIRU : 328
 - Veolia Propreté : 279
 - SITA : 146

Sorting and recycling of selective collections,
166,388t
(154,455t)

Sorting of bulk items
202,559t
(210,650t)

SYCTOM waste accumulation sites
38,067t
(39,348t)

Composting
4,098t
(7,154t)

HWIUs, direct inputs,
1,308,991t
Including declassifications,
3,587t

Transfer to Romainville, direct inputs,
363,089t
Including declassifications,
8,651t

Transfer to Issy, direct inputs,
324,273t

CET 2 spillovers,
71,778t

Glass
106,128t
(96,283t)

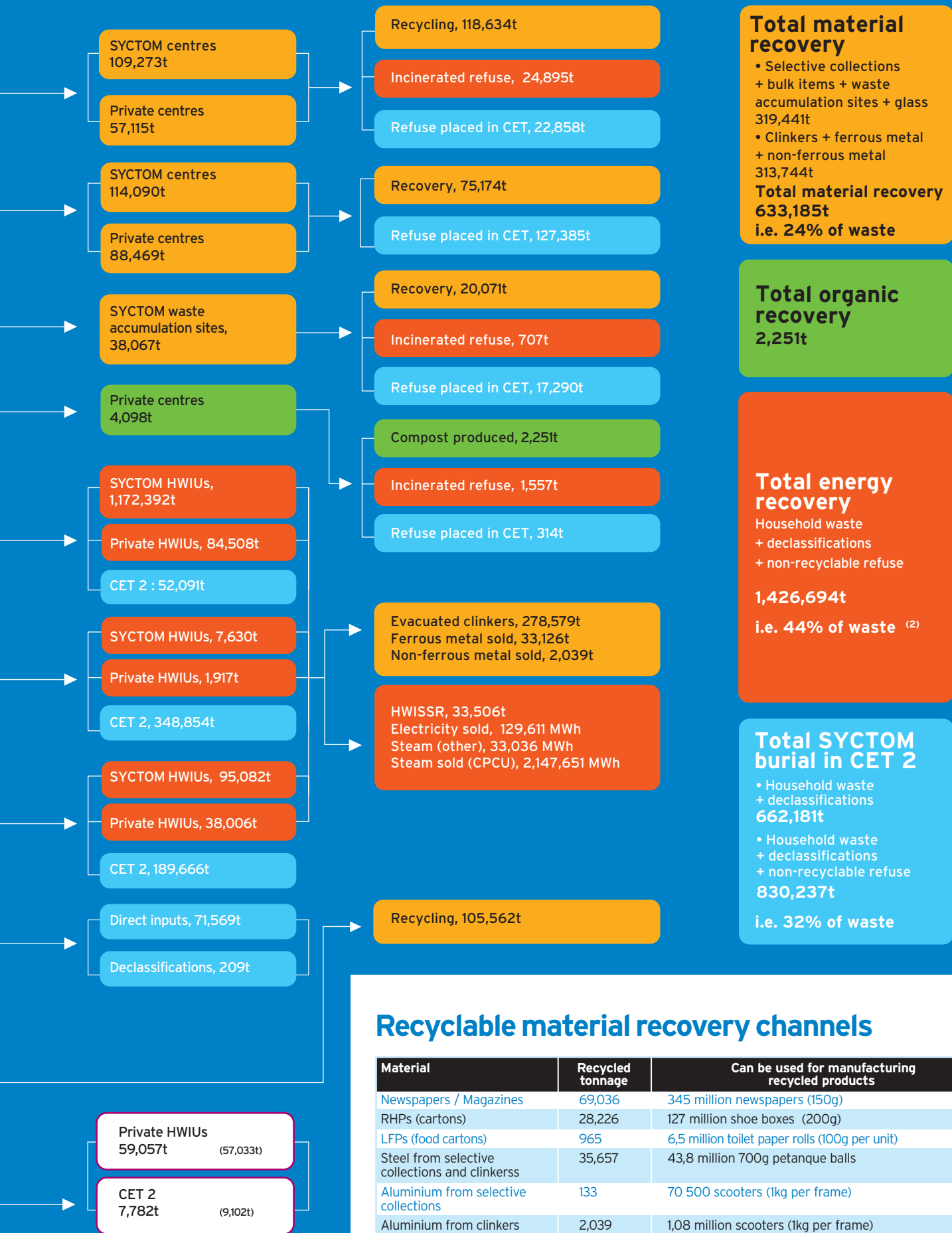
Waste from non-dumping municipalities,
66,839t
(66,135t)

Not transiting via SYCTOM,
103,226t
(93,408t)
Transiting via SYCTOM,
2,902t
(2,875t)

Do not transit via SYCTOM

⁽¹⁾ These figures were adopted on 8 April 2008. Given the deadlines, certain values had to be published without formal validation by all of SYCTOM's partners.

⁽²⁾ The clinkers and ferrous and non-ferrous metals are the object of material recovery. To avoid a double count, this percentage has been calculated by subtracting these materials from the total energy recovery tonnage.

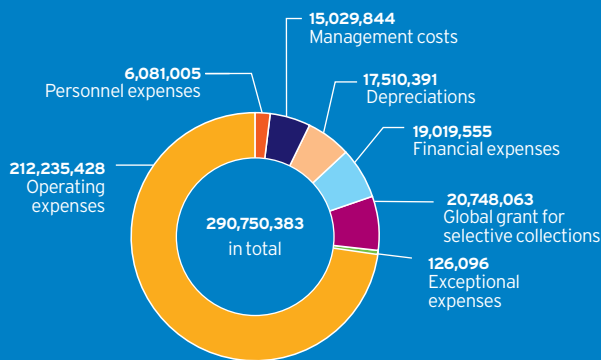


Recyclable material recovery channels

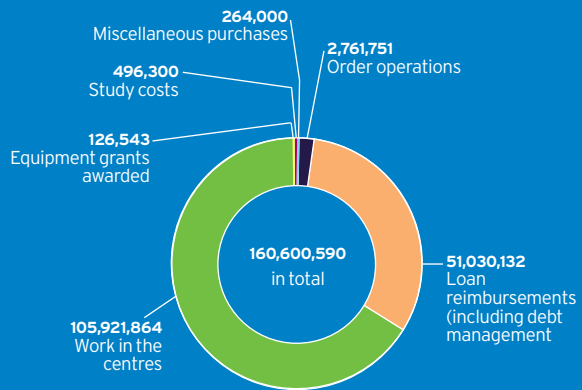
Material	Recycled tonnage	Can be used for manufacturing recycled products
Newspapers / Magazines	69,036	345 million newspapers (150g)
RHPs (cartons)	28,226	127 million shoe boxes (200g)
LFPs (food cartons)	965	6,5 million toilet paper rolls (100g per unit)
Steel from selective collections and clinkers	35,657	43,8 million 700g petanque balls
Aluminium from selective collections	133	70 500 scooters (1kg per frame)
Aluminium from clinkers	2,039	1,08 million scooters (1kg per frame)
Plastics (bottles)	8,609	17 million fleece sweaters (400g per unit)

SYCTOM's 2007 budget: 451.35 M€

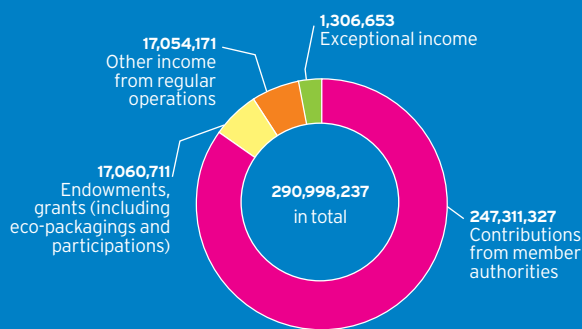
Operating expenditure in € (incl. VAT)



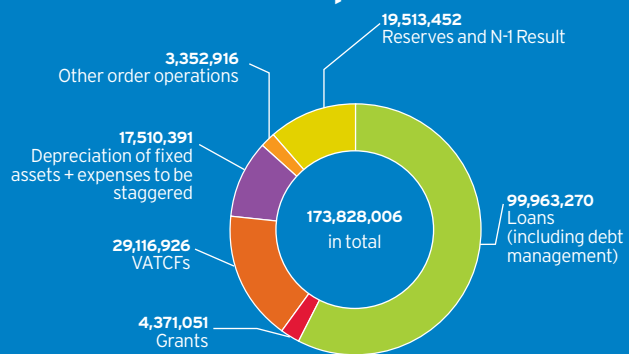
Investment expenditure in € (incl. VAT)



Operating receipts in € (incl. VAT)



Investment receipts in € (incl. VAT)



The treatment costs

> **Average gross cost of waste treatment: 117 euros per ton.**

> **Treatment cost for selective collections: 202 euros per ton.**
This cost has been significantly reduced (it was 235€ per ton in 2006) thanks to the reduction in sorting contract costs and the increase in receipts. It includes SYCTOM's municipality grant of 125.89 euros per ton.

> **Cost of incineration treatment with energy recovery: 83 euros per ton.**

The increase in this cost compared to 2006 (76 € per ton) can be explained by the reduction in incinerated tonnages leading to a reduction in energy recovery and the associated receipts

> **Treatment cost for bulky items: 102 euros per ton, slightly less than in 2006 (108 € per ton).**

> **Cost of dumping: 102 euros per ton, an increase on 2006 (92 € per ton).**

In consideration of waste treatment, SYCTOM receives from member municipalities a **tax set at 84.97 euros per ton for 2007 and a contribution per inhabitant of 6.56 euros.** SYCTOM is implementing an incentive-based policy with member authorities to help the development of selective collections. It will thus award a **grant of 125,89 euros per ton of selectively collected waste entering a sorting centre.**

A public service mission

SYCTOM in the Paris agglomeration treats and recovers household waste from 85 municipalities in 5 départements: Paris, Yvelines, Hauts-de-Seine, Seine-Saint-Denis and Val-de-Marne. It serves 5.58 million inhabitants, i.e. half of the Ile-de-France population and 9% of the French population.

Committed with its member authorities to an active policy of reducing the quantity of waste to be treated, SYCTOM has the aim of reducing waste at source and improving the recovery of produced waste. The Group currently has 6 treatment plants at Issy-les-Moulineaux, Ivry - Paris XIII, Nanterre, Romainville,

Saint-Denis and Saint-Ouen. Two new sorting centres will be built, Sevran in mid-2008 and Paris XV in 2010. Others are planned, especially in Paris. SYCTOM has also launched the development of two methanization units at Romainville and Le Blanc-Mesnil / Aulnay-sous-Bois for the end of 2012.