

MITIGATION WORKSHOPS SB 26

*URBAN PLANNING AND
DEVELOPMENT
INCLUDING
TRANSPORTATION*

**The experience of
Lille area in waste
management and
inland waterway
transport**

Dominique DRAPIER

Marketing and Communication Manager

PORTS OF LILLE



WASTE TRANSPORTATION



➤ Presentation of Ports of Lille

➤ Waste transportation : some figures

➤ Transport of domestic waste and worn glass in Lille area until 2007

➤ The new organization



WASTE TRANSPORTATION



I PRESENTATION OF PORTS OF LILLE





WASTE TRANSPORTATION



Ports of Lille was created in 1948. It is part of Lille Metropolis Chamber of Commerce and Industry (CCILM).

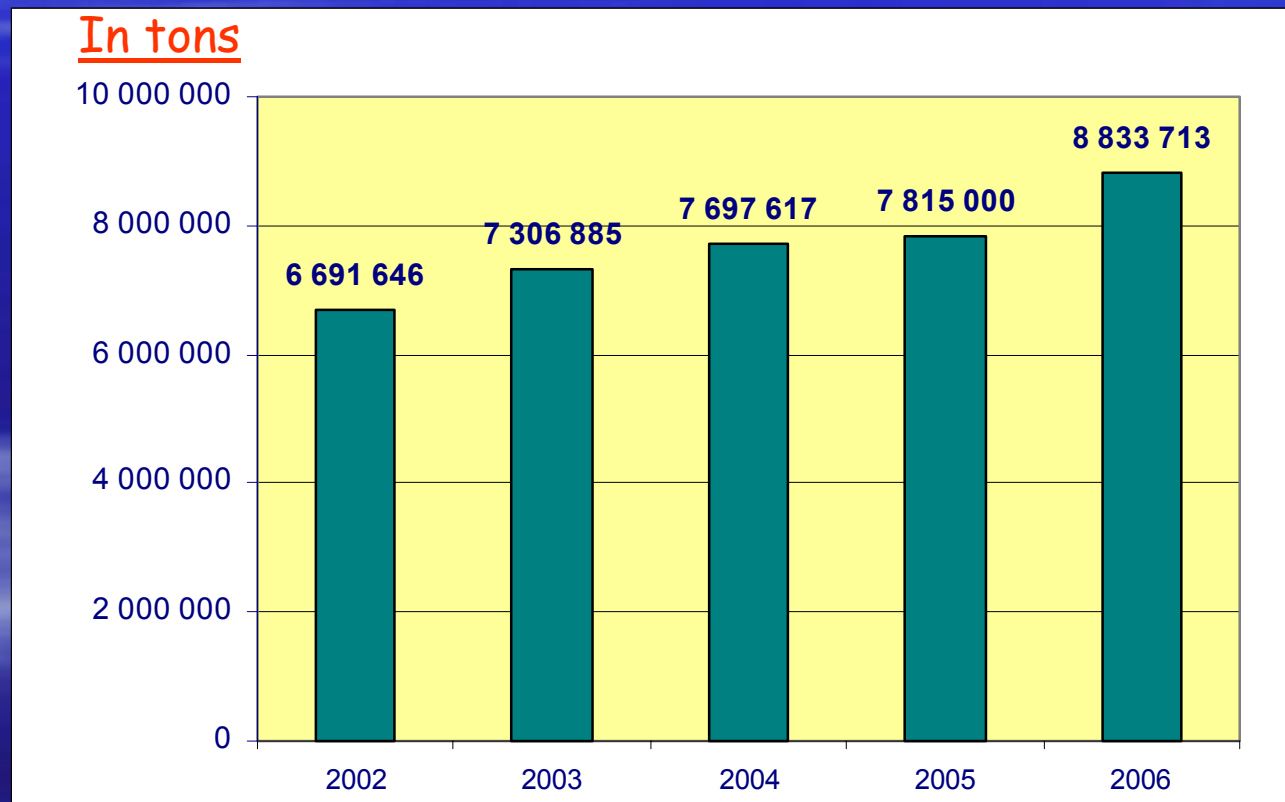




WASTE TRANSPORTATION



With a total traffic of almost 9 millions tons, Ports of Lille is one of the most important inland port of France.



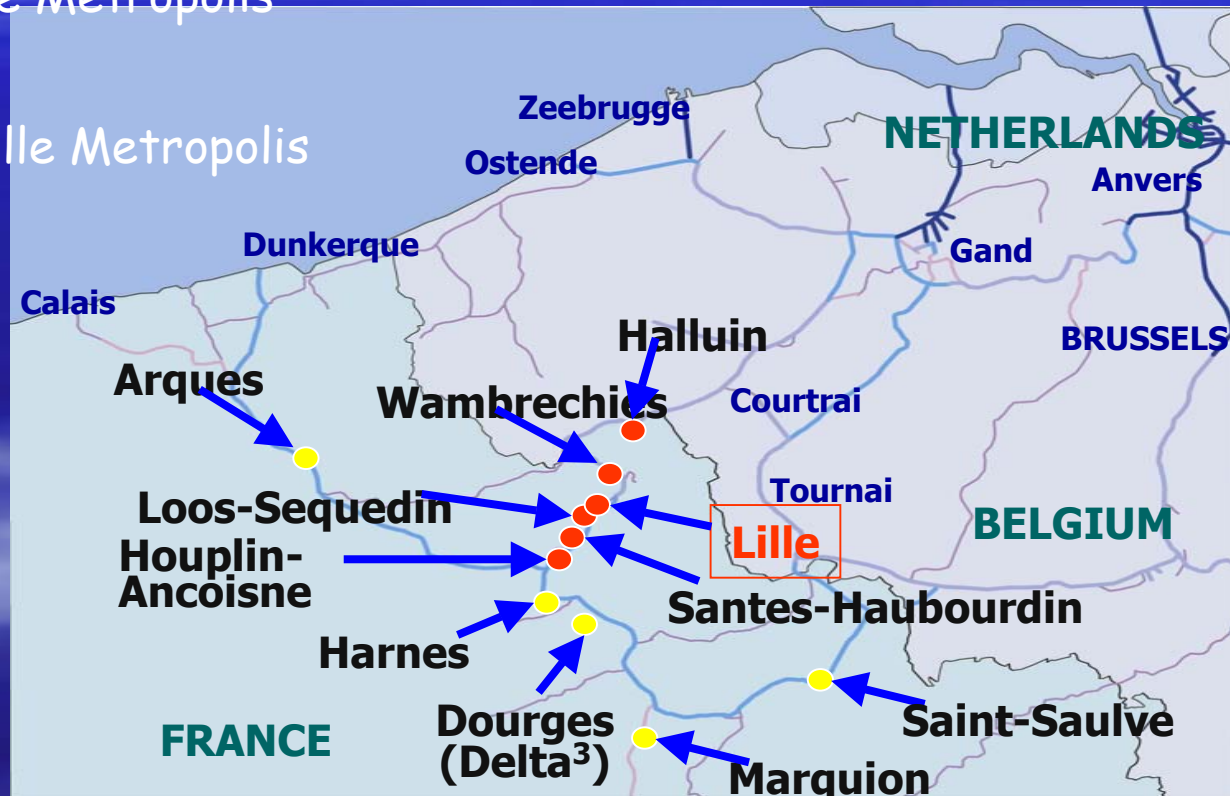


WASTE TRANSPORTATION



Ports of Lille operates several ports in the North Pas-de-Calais area.

- Ports inside the Lille Metropolis Urban Community
- Ports outside the Lille Metropolis Urban Community





WASTE TRANSPORTATION



Ports of Lille has several main jobs :



WASTE TRANSPORTATION



★ Land development

Air view of Ports of Lille



Air view of Port of Santes





WASTE TRANSPORTATION



★ **Offices and
warehouses rental**



★ **General services**



WASTE TRANSPORTATION



★ Logistics services





WASTE TRANSPORTATION



★ Container terminals



H.C.T.



L.C.T.



Delta 3



WASTE TRANSPORTATION



★ Multimodal lines

PORTS DE LILLE

BONN - 11 MAY 2007 12



WASTE TRANSPORTATION



And services of public interest :

➤ Urban distribution

➤ Waste transportation

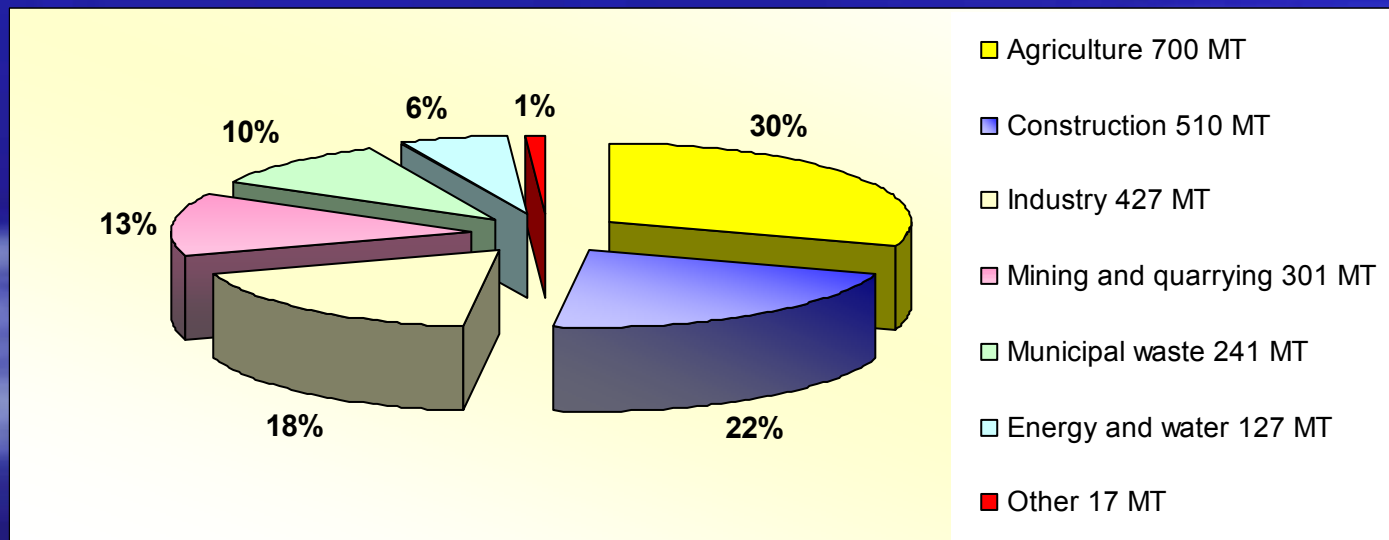


WASTE TRANSPORTATION



II WASTE TRANSPORTATION: SOME FIGURES

In 2002, the total waste generated in Europe amounted to 2.3 billion tons.





WASTE TRANSPORTATION



Maritime traffic all over the world amounted to 7.11 billion tons in 2005.

It means that waste produced only in Europe represents almost a third of the total maritime traffic in the world.





WASTE TRANSPORTATION



Not all the collected wastes are transported.

A part is processed where it has been created (agriculture, mining, construction ...).

But +/- 60% are transported, mainly by truck (ADEME 1999).

It means that +/- 1,4 billion tons are transported in Europe.



WASTE TRANSPORTATION



In France, the quantity of generated waste amounted to 849 million tons in 2004.

The expense for waste management amounts to 11.1 billion euros.

In the Lille Metropolitan area (85 communes, 1,100,000 inhabitants), the domestic waste total amounted to 709,074 tons in 2005.



WASTE TRANSPORTATION



III TRANSPORT OF DOMESTIC WASTE AND WORN GLASS IN LILLE AREA UNTIL 2007

In 1998, the three incinerators of Lille area were stopped.

Before the new incinerator has been built and put into service, solutions had to be found.



WASTE TRANSPORTATION



THE PROCESS



In the collect centre of Sequedin, household waste are put into 20' open top containers (+/- 10 tons per container).



WASTE TRANSPORTATION



The containers are transported from Sequedin to the Port of Lille by truck (+/- 3 km).



WASTE TRANSPORTATION



With the « Ampliroll » system, containers are discharged on the terminal by the truck itself.



WASTE TRANSPORTATION



Containers are loaded into the barge by the gantry crane.



WASTE TRANSPORTATION



The barge sails to
the landfill site of
Blaringhem
(distance 63 km).





WASTE TRANSPORTATION



In Blaringhem, the containers are unloaded by a superstacker and cleared in the site.

Empty containers are loaded into the barge and the tour goes in the opposite site direction.

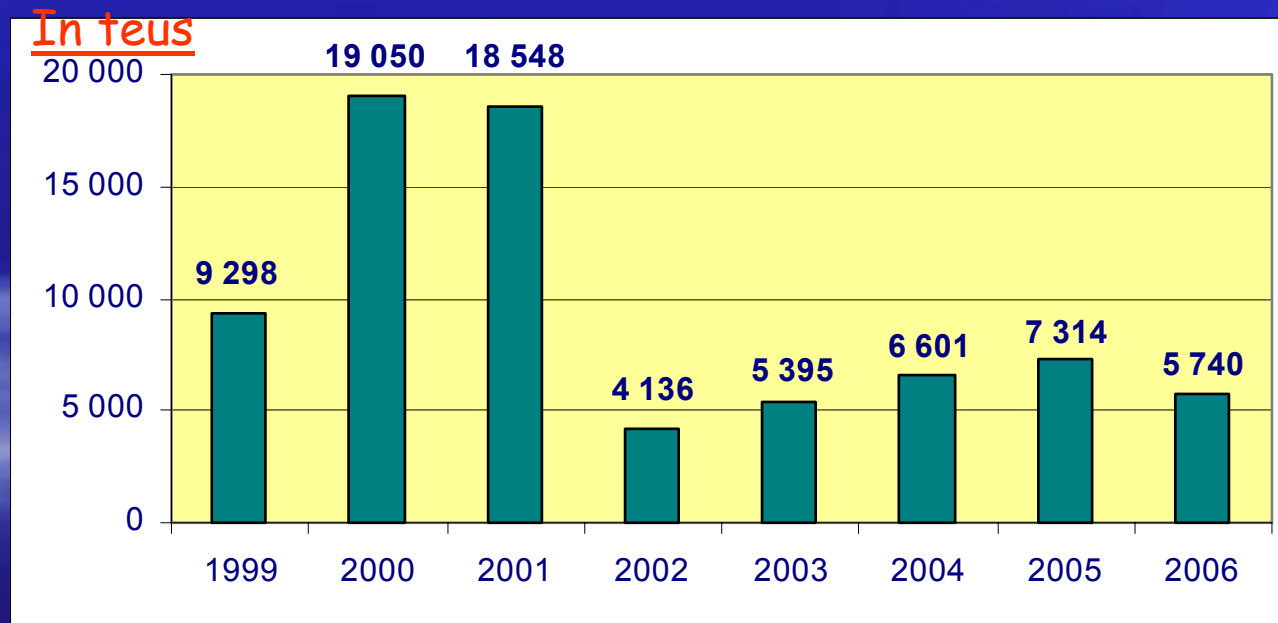


WASTE TRANSPORTATION



Since June 1999, more than 76,000 teus have been transported by this way.

The system remained active even after the starting of the new incinerator in 2002.





WASTE TRANSPORTATION



★ Environmental impact

In 2006, Ports of Lille has asked Lausanne Polytechnic School in Switzerland to study the environmental impact of the waterways transport lines compared with the truck transportation.

The line for waste was among the studied lines.

➡ CO₂ : - 56 %

➡ Noise : - 99 %

➡ SO₂ : - 27 %

➡ Energy consumption : - 63 %



WASTE TRANSPORTATION



7,314 teus were transported by barge in 2005.

For the whole traffic (76,082 since 1999), it means that 3,640 tons of CO₂ have been saved, which represents the quantity of carbon absorbed per year by 248 hectares of forest.



WASTE TRANSPORTATION



Since July 2003, the same system is applied for worn glass, between a sorting centre in Halluin and a glass making factory in Wingles.

More than 13,000 containers of glass have been transported by barge by this way.



WASTE TRANSPORTATION



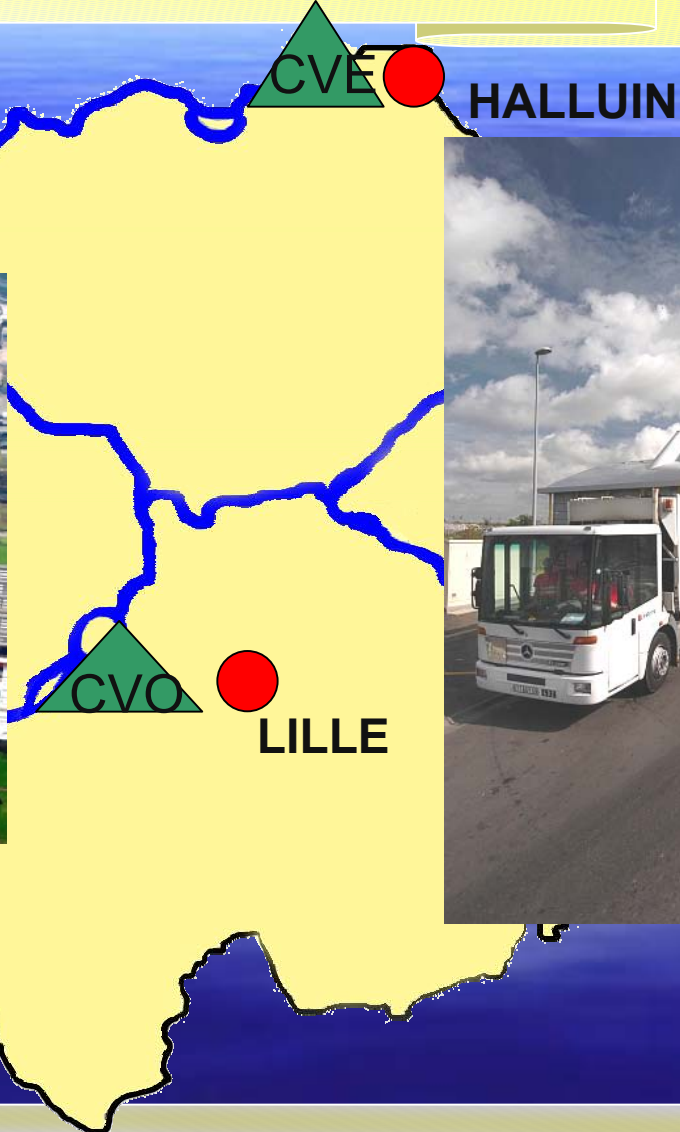
IV THE NEW ORGANIZATION

With 709,074 tons of domestic waste per year (statistics 2005), the Lille Metropolitan Area Agency (LMCU Lille Métropole Communauté Urbaine) has finalized a new strategy for collection, transport and valorization.

The cornerstones of this strategy are the CVE Antarès and the CVO Sequedin.



WASTE TRANSPORTATION





WASTE TRANSPORTATION



Port of Harnes



WASTE TRANSPORTATION



CONCLUSION

These examples show how important it is to keep some space in urban areas for logistic use : waste transportation, but also urban distribution.



WASTE TRANSPORTATION



« It is important in the broader strategic interest that sites which are currently, or could potentially be, used for the transshipment of freight, including waste and aggregates, and for related activities, should be retained and safeguarded against development that could preclude their future use for these purposes ». »

« LONDON PLAN IMPLEMENTATION REPORT »

Mayor of London - January 2005



WASTE TRANSPORTATION



Thanks for
your attention

