

Supermarket Food Waste A French perspective

17/05/2016

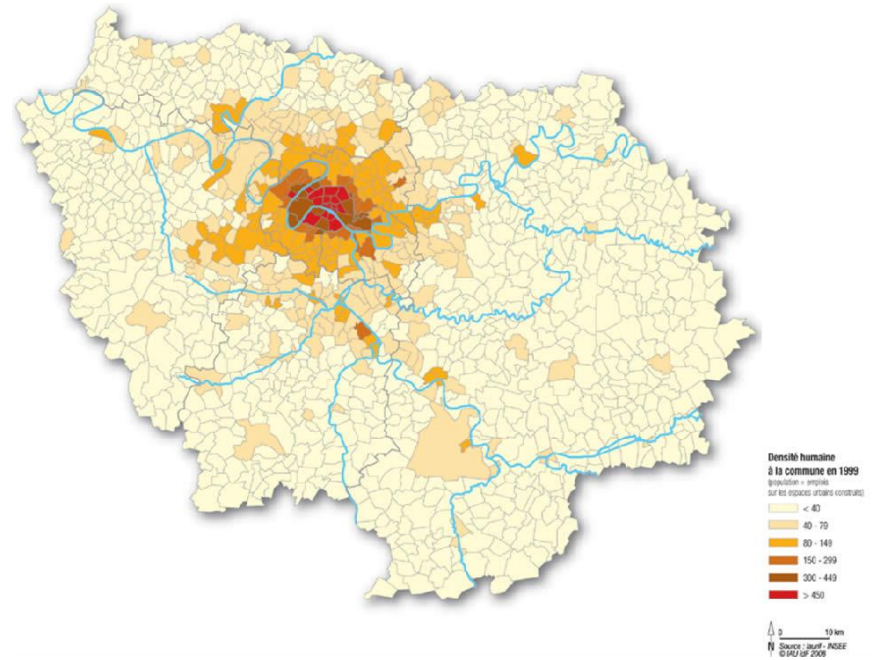
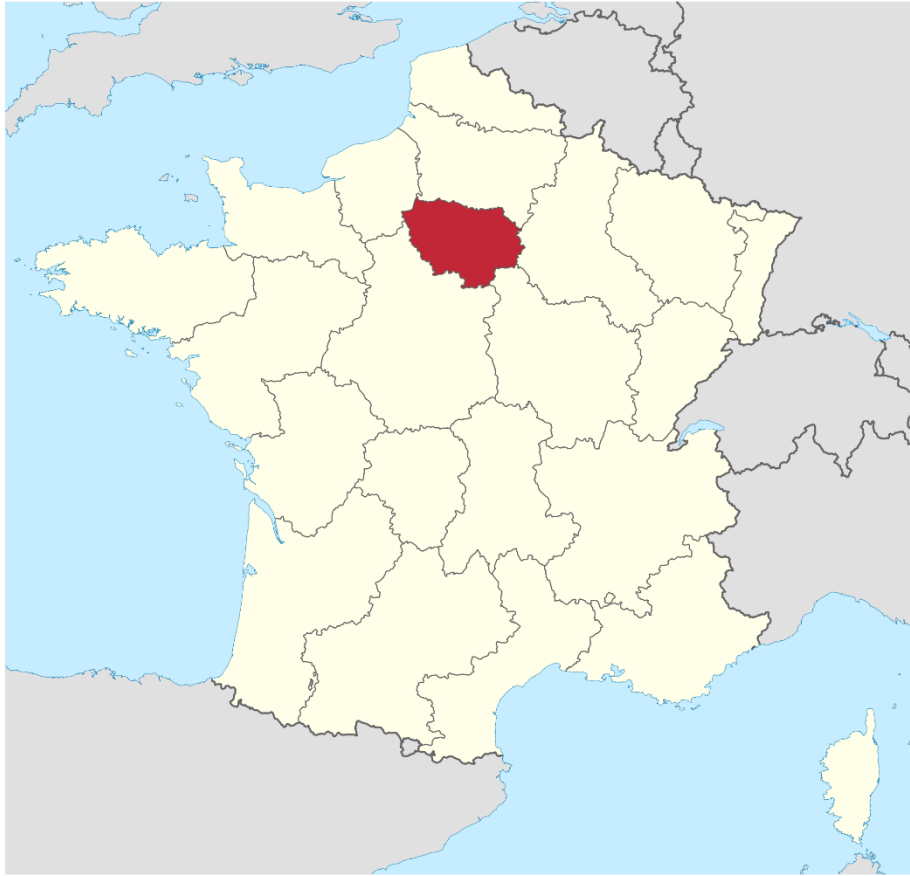
Jean-Benoit BEL

Paris Region Waste Observatory

- Association founded in 1992 by the State and Ile-de-France Region Council
- ORDIF brings together:
 - The State
 - Ile-de-France Region
 - Local authorities
 - Private companies
 - NGOs...



Paris Region



Paris Region Waste Observatory

Waste monitoring

**Disseminate
information**

**Bring together
waste
stakeholders**

Supermarket in France

- Major outlets: super & hypermarkets
- Definition: non-specialized retailers selling food and other products
- Hypermarket:
 - Food > 1/3 of total sales
 - Sale floor > 2,500 m²
- Supermarket: sale floor btw 400 and 2,499 m²

Supermarket in France: some data

- **About 1,800 hypermarkets (2014)**
 - Total sale floor ~
10,600,000 m² (2009)

- **About 11,000 supermarkets**
 - Total sale floor ~
10,000,000 m² (2009)

- **Bio-waste arising**

- **Current collection**

Supermarket in France: some data

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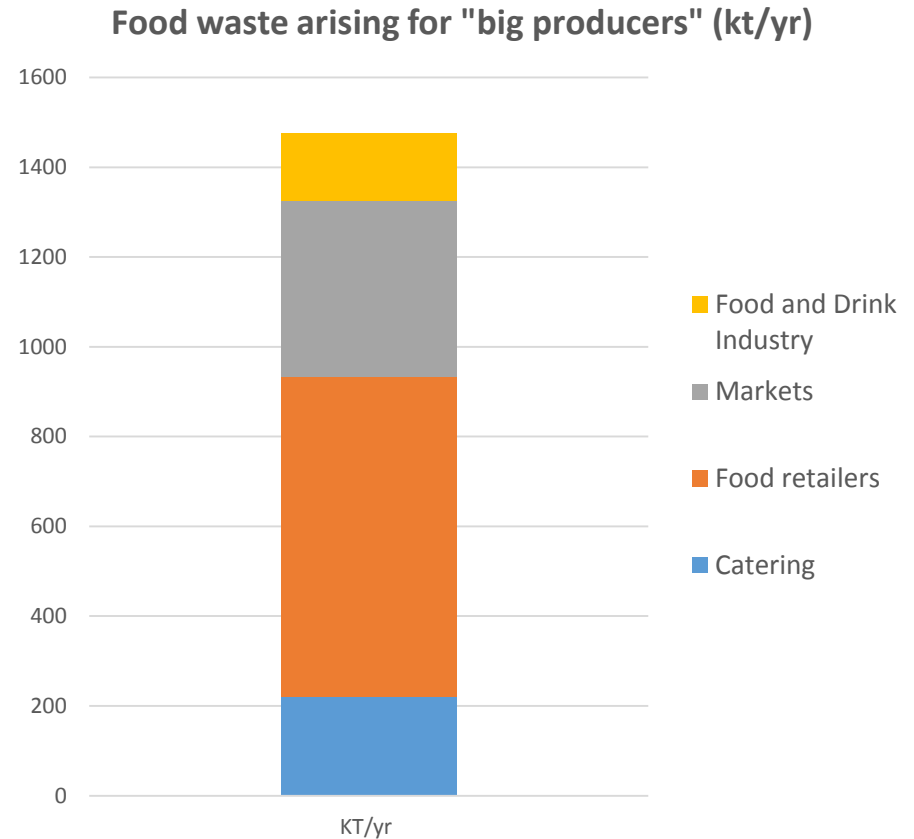
- Total sale floor ~ 10,600,000 m² (2009)

- **About 11,000 supermarkets**

- Total sale floor ~ 10,000,000 m² (2009)

- **Bio-waste arising ~400,000 t**

- **Current collection**



Source: ADEME

Supermarket in France: some data

■ About 1,800 hypermarkets (2014)

■ Total sale floor ~
10,600,000 m² (2009)

■ About 11,000 supermarkets

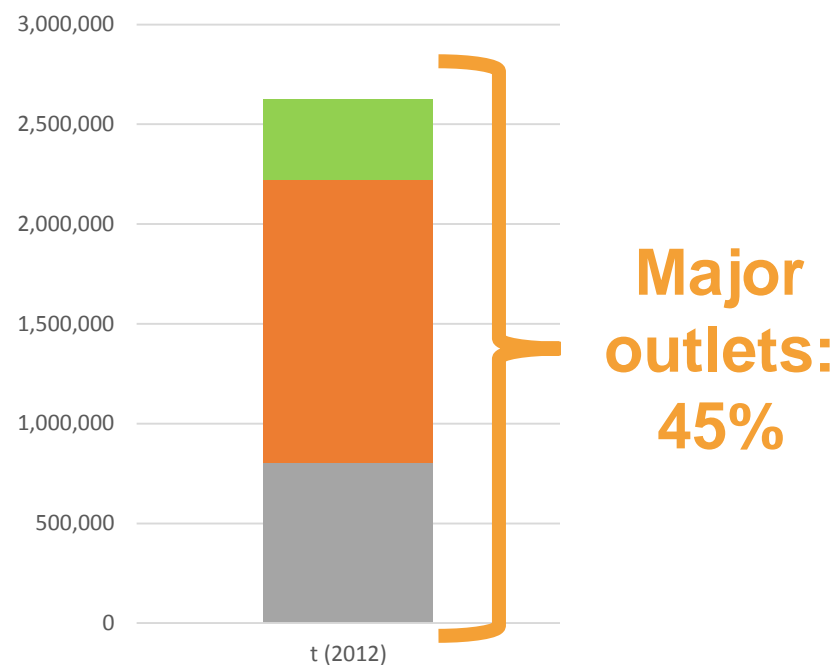
■ Total sale floor ~
10,000,000 m² (2009)

■ Bio-waste arising

■ Current collection

■ Non specialised retailers:
~365,000 t in 2012

Main collected fractions in the retail sector (2012)



Source: INSEE

Food waste generation

- **About 20 kg/m² of sale floor/yr**

- **Different types of food waste:**
 - Expired products
 - Damaged products / non compliant products
 - Residues from preparation processes
 - Products with a bad appearance...

- **Main reasons:**
 - Balance between offer and demand
 - Large choice of products
 - Variations in consumption
 - Manipulations ...

Food waste prevention

- **First step: diagnosis (which products, what causes, still edible or not?)**
- **Data from one case study:**
 - 200 t of food wastage -> 470,000 € of losses
- **Possible actions:**
 - Better adjustment of offer // demand
 - Discount of products to be discarded / distribution to staff
 - Direct re-use (fruits processed in smoothies)
 - Awareness raising

**POUR
VOTRE SANTÉ
Mangez**

5 FRUITS ET LEGUMES MOCHES

PAR JOUR.

Avec les fruits
et légumes
moches,
Intermarché
lutte contre
le gaspillage
alimentaire.



les fruits&légumes
MÔCHES
Intermarché

LES FRUITS ET LEGUMES MOCHES

**SONT
AUSSI
BONS
QU'ILS
SONT
MOCHES.**

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et légumes
moches,
Intermarché
lutte contre
le gaspillage
alimentaire.



les fruits&légumes
MÔCHES
Intermarché

L'AUBERGINE MOCHE

**A
CE
PRIX
LA
ELLE
POURRAIT
ÊTRE
ENCORE
PLUS
MOCHE.**

Avec les fruits
et légumes
moches,
Intermarché
lutte contre
le gaspillage
alimentaire.



les fruits&légumes
MÔCHES
Intermarché

LA POMME MOCHE

**C'EST
COMME
UNE
BELLE
MAIS
MOINS
CHER.**

Avec les fruits
et légumes
moches,
Intermarché
lutte contre
le gaspillage
alimentaire.



les fruits&légumes
MÔCHES
Intermarché

LE CITRON MOCHE

**AVANT
D'ÊTRE
UN
CITRON
MOCHE
C'EST
AVANT
TOUT
UN
CITRON.**

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moches,
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les fruits&légumes
MÔCHES
Intermarché

L'ORANGE MOCHE

**ÇA
FAIT
DU
TRES
BEAU
JUS.**

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moches,
Intermarché
lutte contre
le gaspillage
alimentaire.



les fruits&légumes
MÔCHES
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LA POMME DE TERRE MOCHE

**ÉLUE
MISS
PUREE
2013.**

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et légumes
moches,
Intermarché
lutte contre
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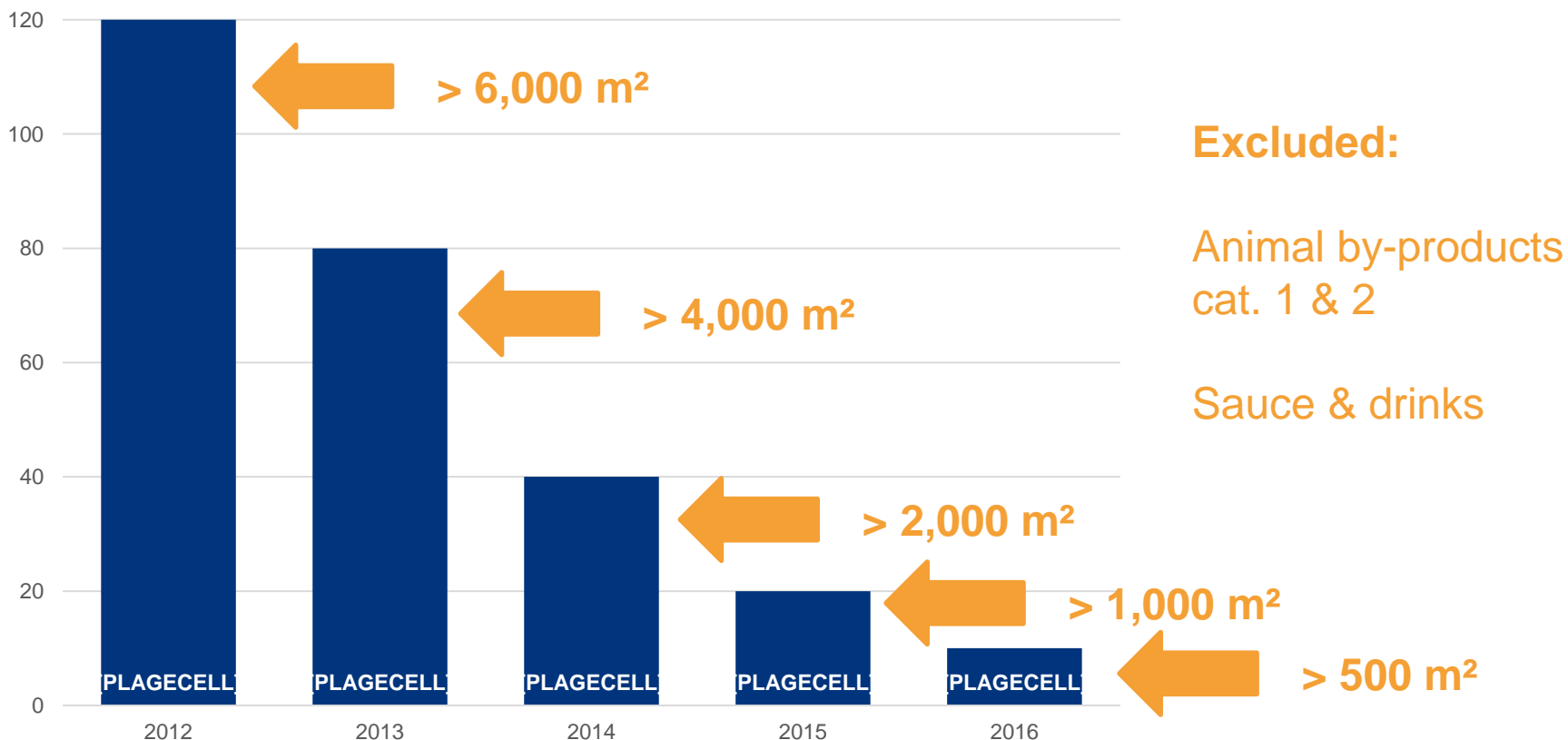


les fruits&légumes
MÔCHES
Intermarché



Obligation of food waste separation

Mandatory selective collection



Solution for the collection and treatment

- **Storage**

- **Deconditioning of packaged goods**

- **Specific sanitary obligation for ABP cat 3:**
 - Limited storing time
 - Requirement for collection equipment
 - To be sent in treatment units with sanitary agreement + specific equipments (hygenisation)
 - 2 treatment options: composting and anaerobic digestion

- **Possibility of on-site treatment**

Difficulties

- **Little data available on collected quantities and compliance to the regulation**
- **Lack of visibility/offer for treatment options:**
 - Deconditioning units
 - Sanitary agreements
- **Lack of traceability and visibility on the outcomes of the waste**
- **Lack of financial incentives for well performing units**
 - High costs for pre-collection activities

New law on food waste donation

- **February 2016: new regulation against food waste**
- **Ban the destruction of edible food waste**
- **Make mandatory the signature of a convention with associations organising food donation (> 400 m²) before 12/02/2017**
- **Store brand products sent back to suppliers can be donated now (some previous regulation on the producers' responsibility were lifted)**

Food waste donation

- **About 40 % of food waste from major outlet can be donated (ADEME)**
- **Tax reductions make it financially relevant**
- **Requirements:**
 - Staff devoted to the organisation with food banks
 - Technical: specific storage + monitoring
- **Current situation:**
 - About 35,000 t donated last year, increasing
 - About 30% of supermarkets still have to comply (*assessment of the Food Bank Federation*)

Food waste donation – legal aspects

- **Nature of products that can be donated**
 - Concerned by a sanitary agreement?
 - Specific requirements for several categories (eggs, seafood...)
 - Also depend on the sanitary agreements of the donor

- **Transfer of property // need for a document stating the details of the donation and the signature of a delivery order**

- **Legal responsibility of the donor**
 - Only apply to the operations carried before the delivery
 - Cannot be sued for errors made by an association
 - Same principles as with other “clients”

Food waste donation – good practices

- **Local authorities setting collection routes for smaller retailers**
- **Mutualisation of equipments between associations**
- **Help from retailers on logistical issues**
- **Clear conventions between retailers and associations stating:**
 - The type of product
 - Limits on sale-by-date
 - Transfer of responsibility
 - Traceability

Food waste donation – main limitations

- **Food wastage in major outlets: only 5% of food wastage**

- **Concerns from food banks and associations:**
 - **Technical requirements:**
 - Storing capacities
 - Transport equipment
 - Staff
 - Seasonal variations
 - **Quality of the donated food ?**
 - Further sorting required?

Thank you !

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