

WASTE MANAGEMENT IN FRANCE

Elisabeth PONCELET

IEA, PARIS, 9/01/17

KEY FIGURE FOR WASTE IN FRANCE



Production : 345 Mt



48 Mt treated in MSW treatment facilities



14.4 Mt in WtE Plants



42 M inhabitant

with a local prevention plan



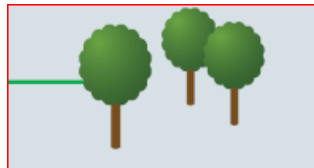
37.7 MT MSW collected by public service



€16.7 Billion spent for waste management



17 Mt of waste recycled



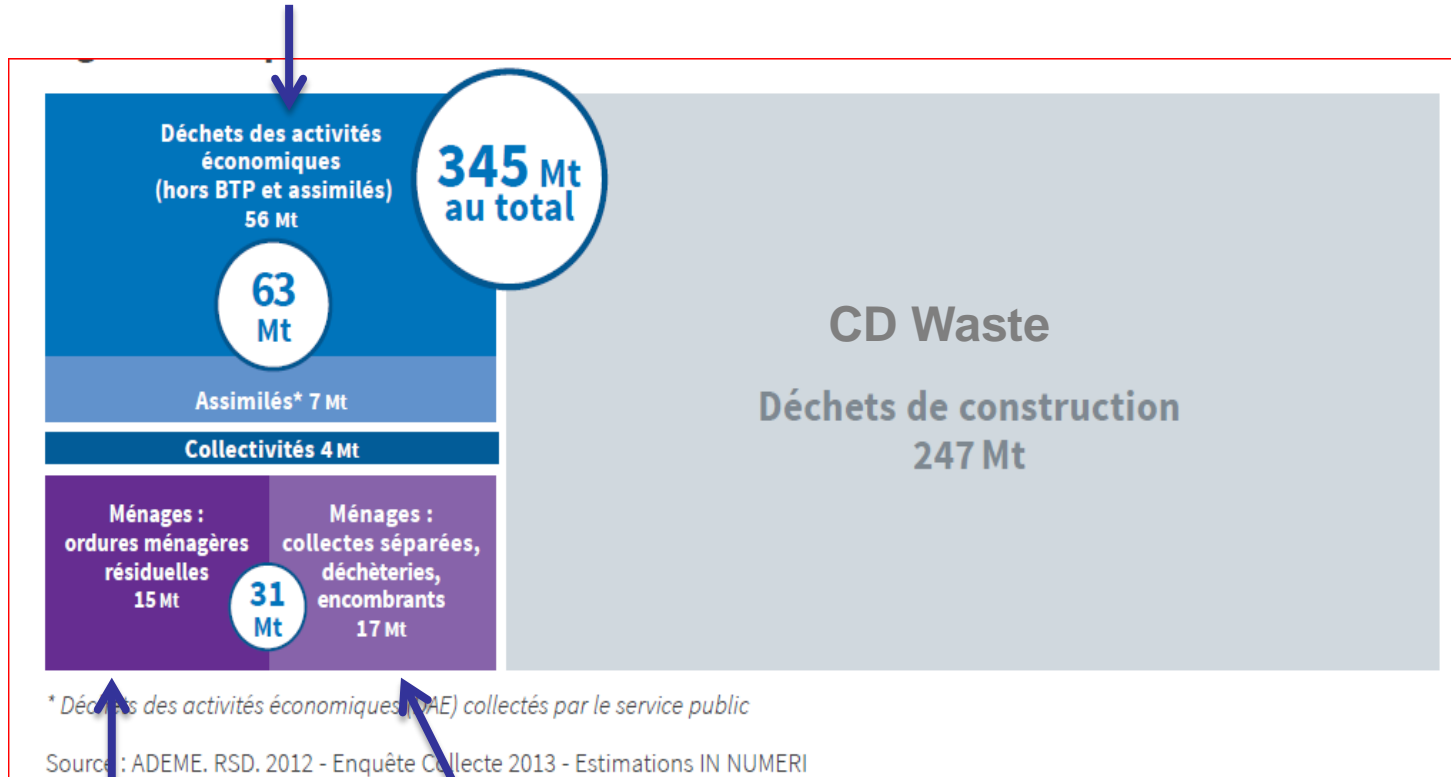
21 Mt CO2 avoided by recycling



128,000 jobs

WASTE PRODUCTION IN 2013

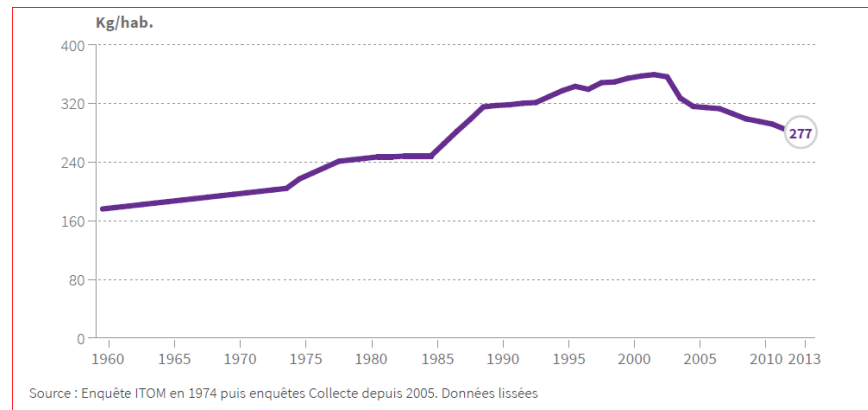
Industrial Waste



Raw MSW

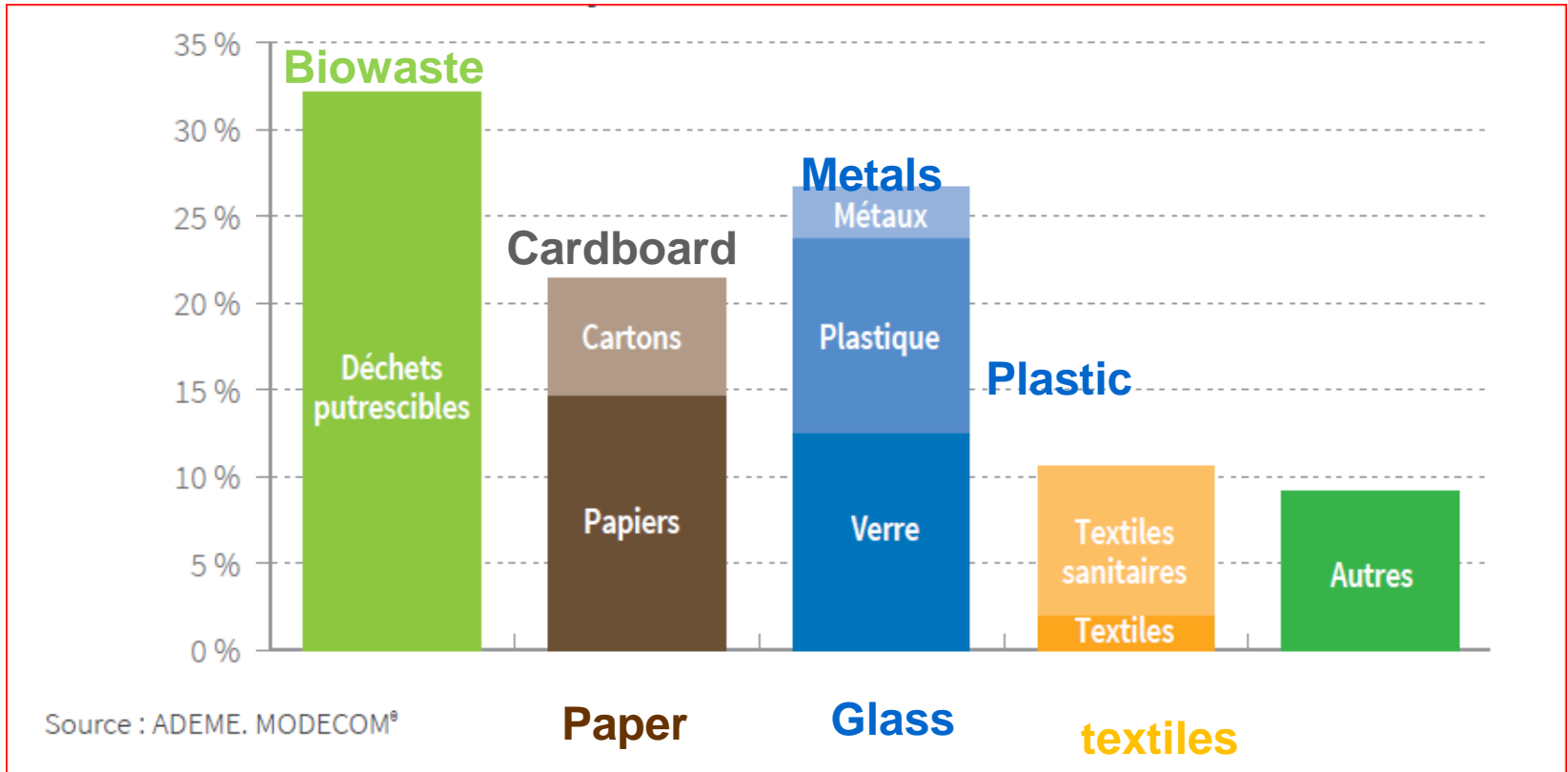
Separated collected MSW

Waste production trends t/ca

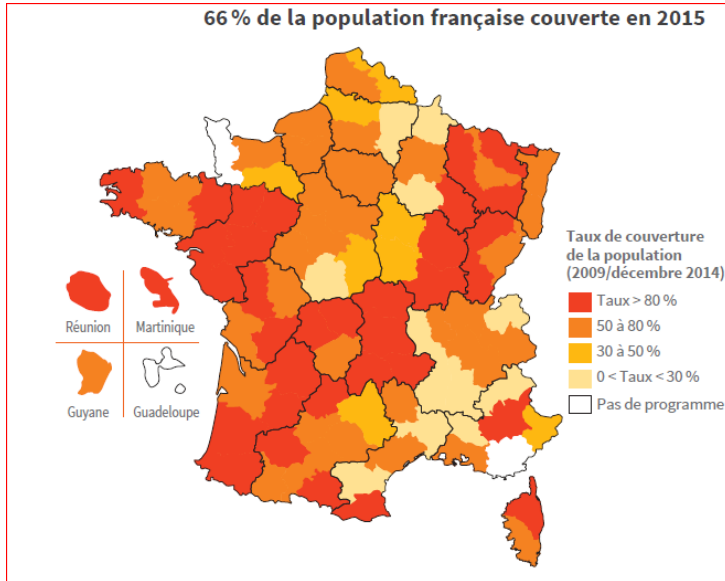


Household waste

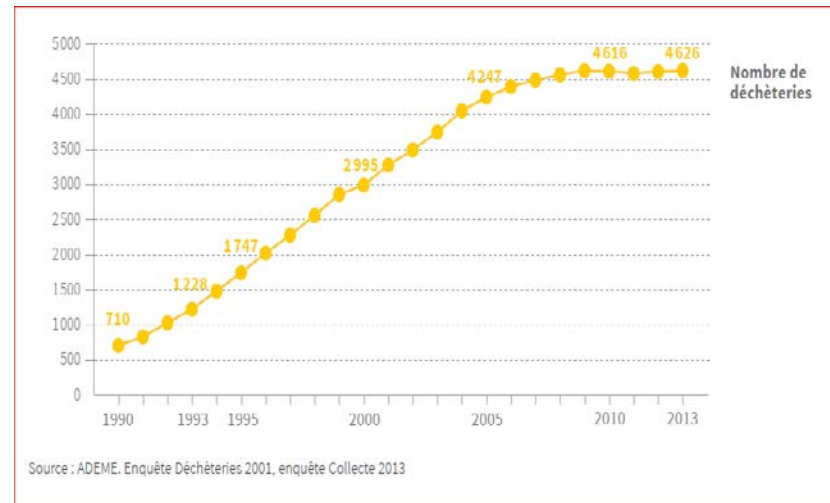
MSW CHARACTERIZATION



WASTE PREVENTION

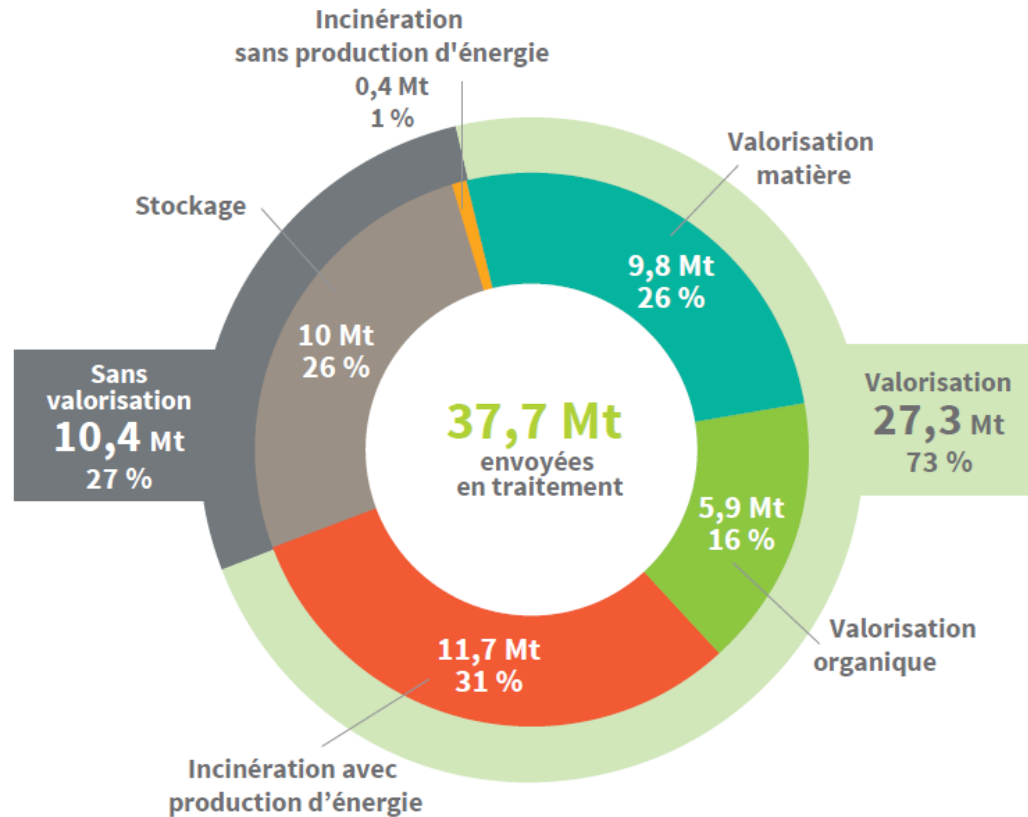


Local prevention plan



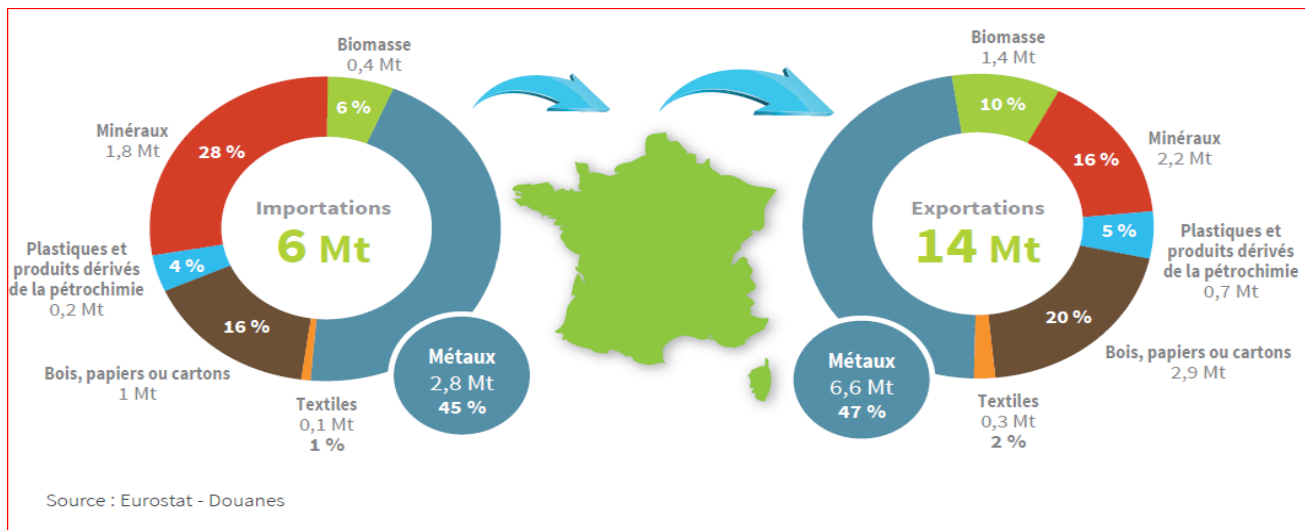
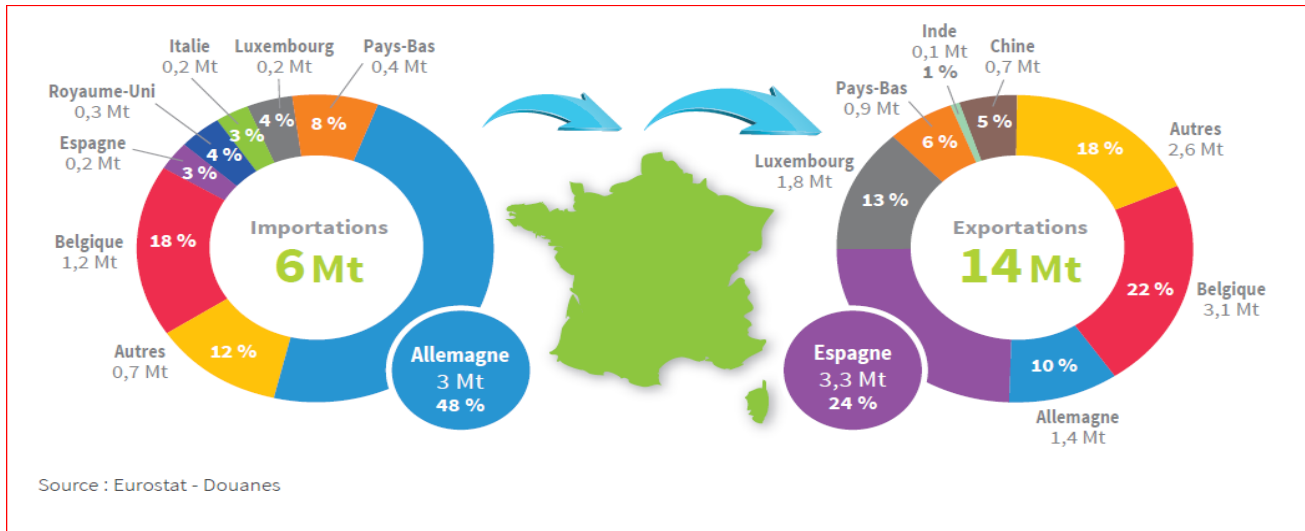
Waste recycling centre

MSW treatment in 2013

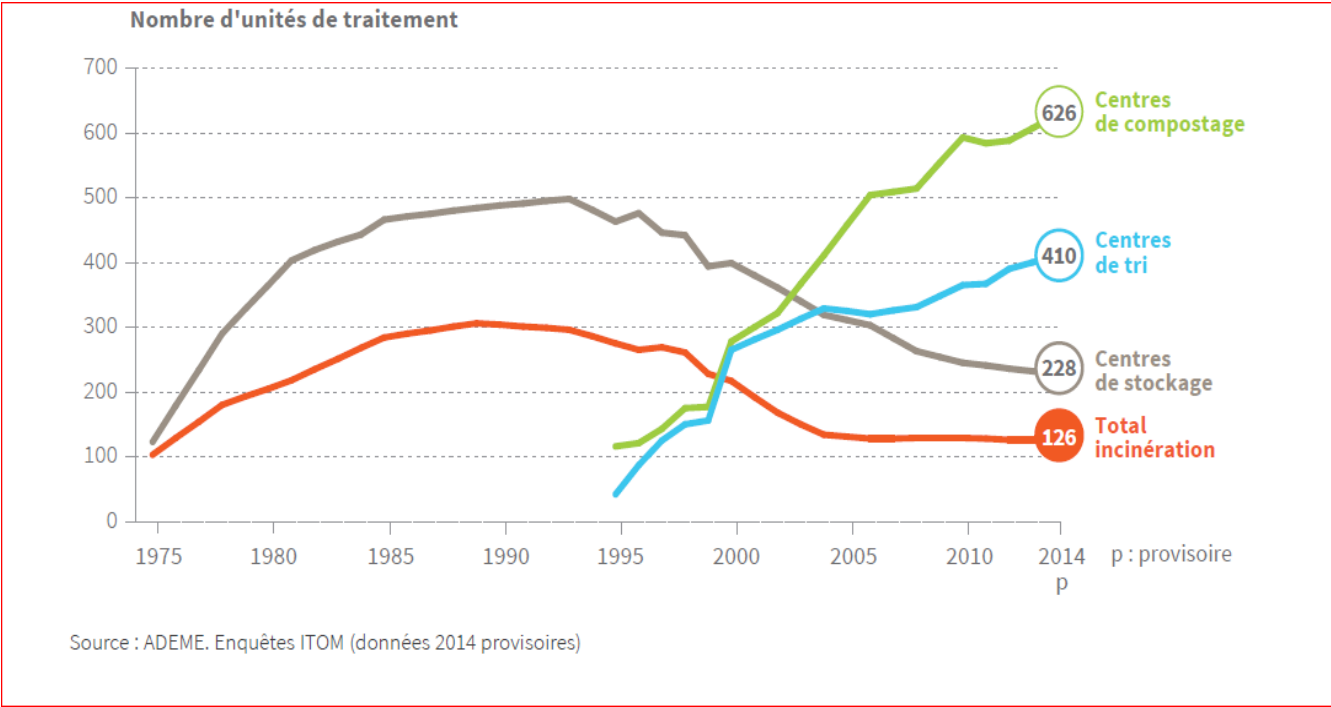


Source : ADEME. Enquête Collecte

Import-export Waste 2015

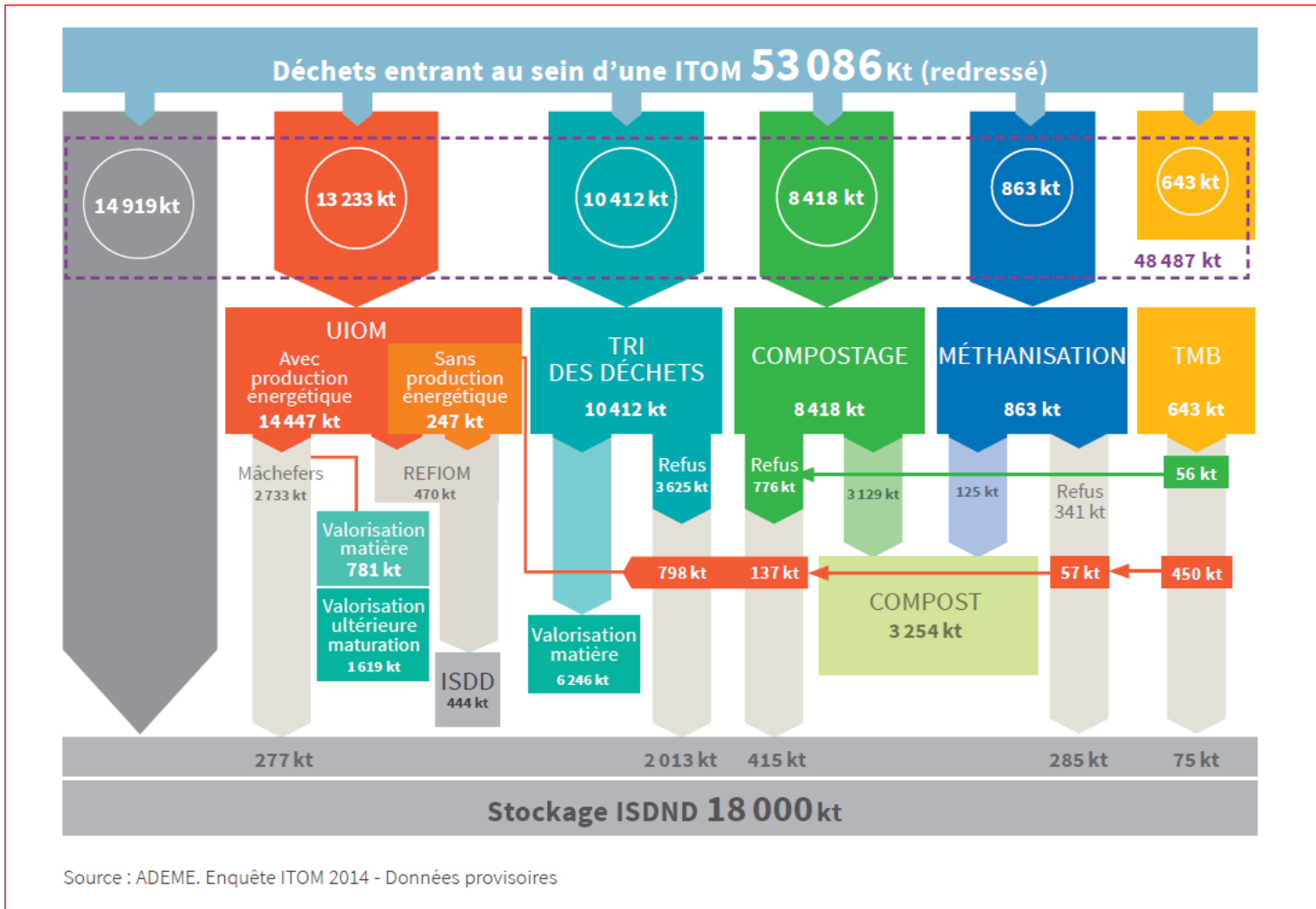


WASTE TREATMENT FACILITIES

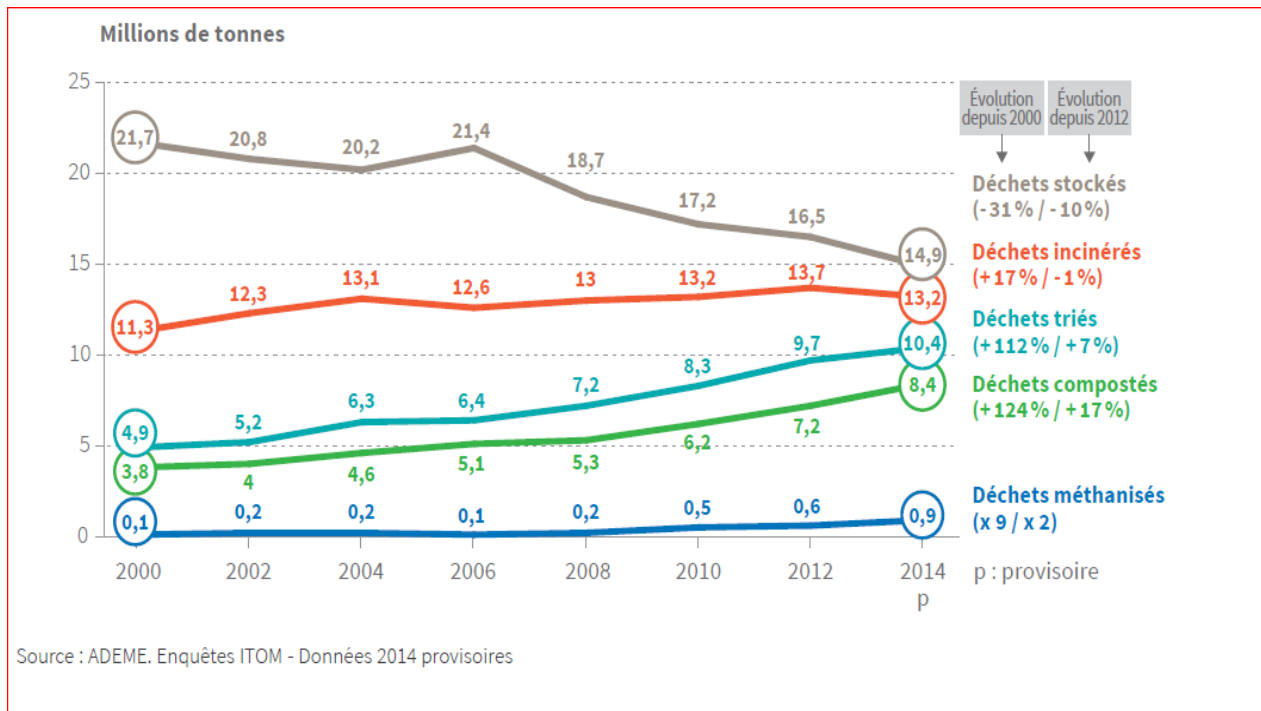


- Composting
- Recycling
- Landfill
- WtE

MSW SYNOPSIS



WASTE TREATMENT TRENDS



Landfill

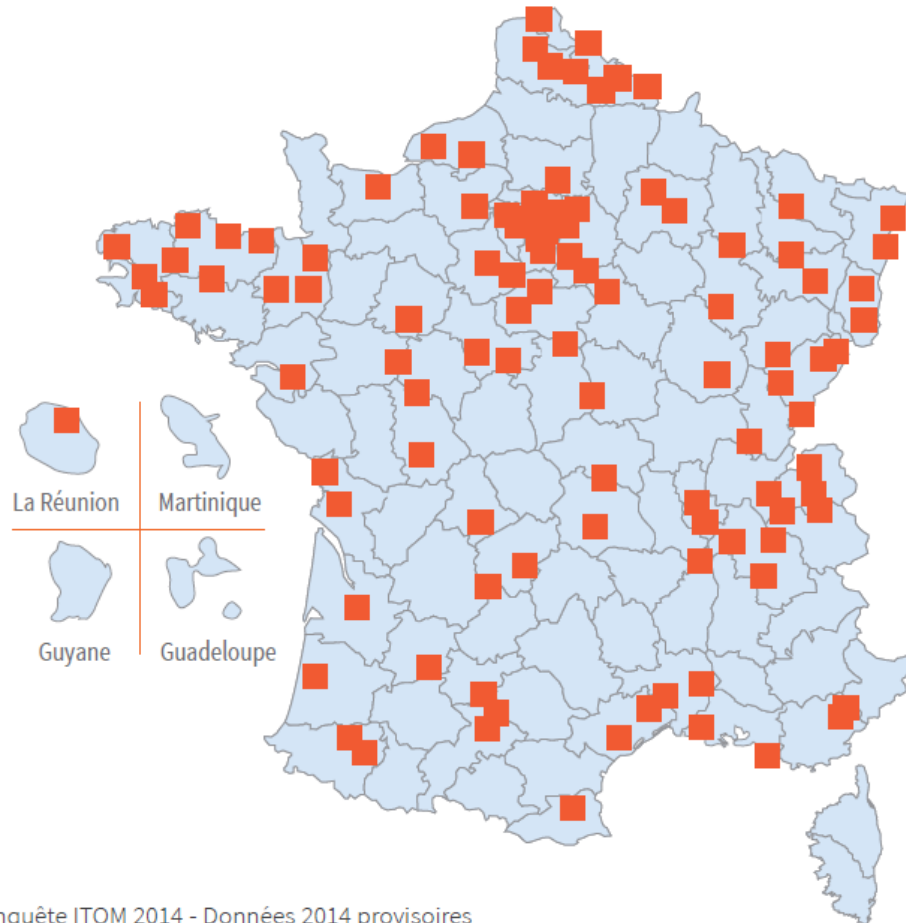
WtE

Sorted

Compost

AD

WtE plants in 2014



114 Units

14.4 Mt

34% of MSW

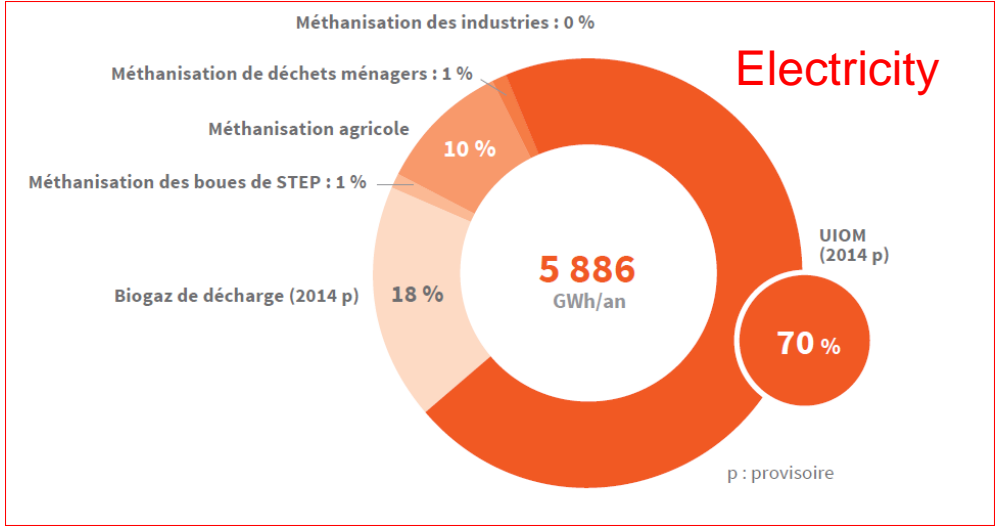
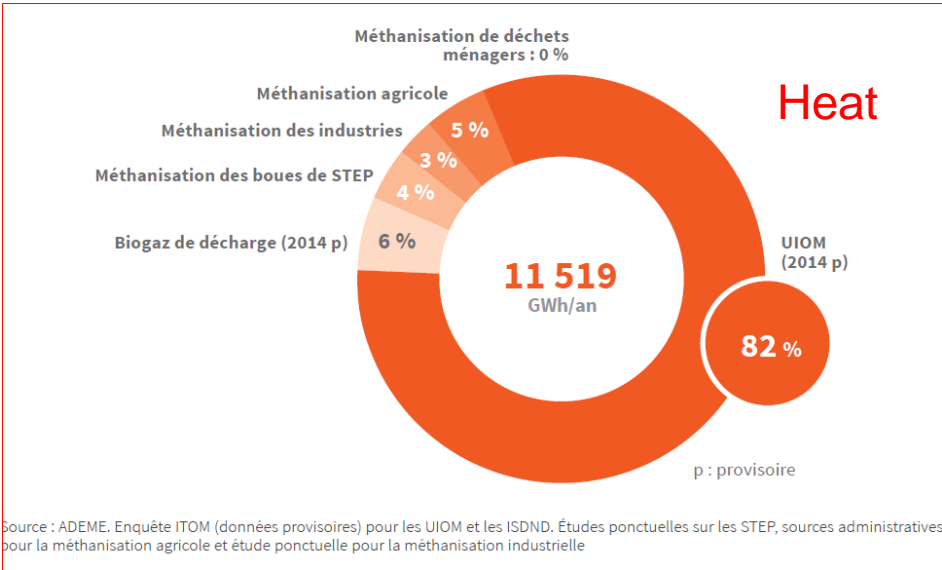
1276 kWh/t heat

422 kWh electric

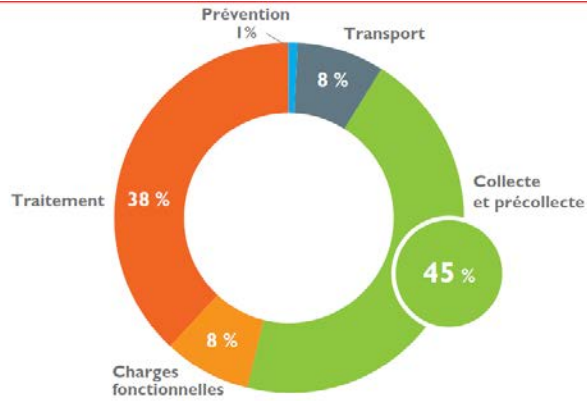
1078 kWh/t coge

Source : ADEME. Enquête ITOM 2014 - Données 2014 provisoires

Energy from waste in 2015

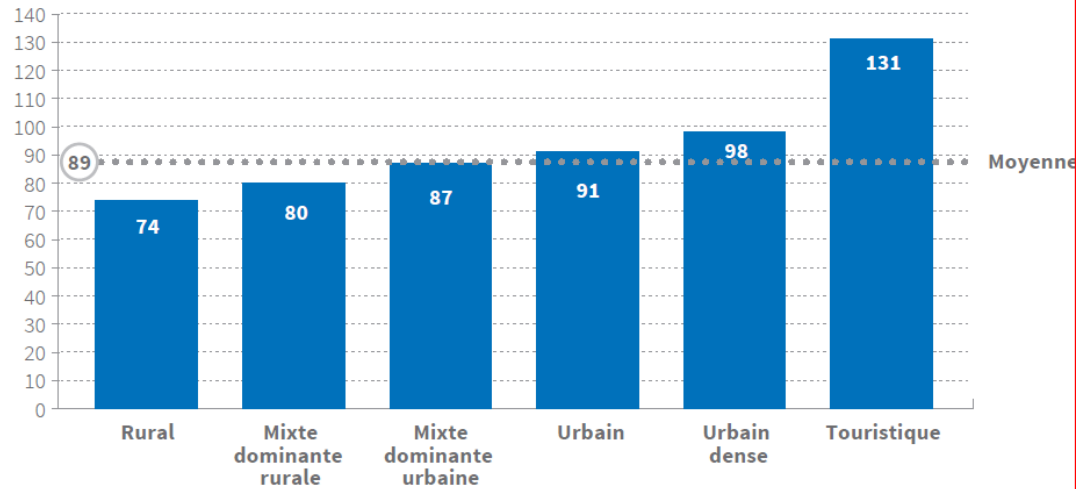


WASTE MANAGEMENT COST



source : ADEME. Référentiel national des coûts du service public de gestion des déchets 2012

Coût aidé hors taxe en euros par habitant



Source : ADEME. Référentiel national des coûts du service public de gestion des déchets 2012

Cost included income

- New legislation for preparation & recovery
- CSR characteristics
 - *LHV > 12 MJ/kg,*
 - *Cl < 15 g/kg*
 - *Hg < 3 mg/kg*
 - *Br < 15 g/kg*
 - *Halogens < 20 g/kg*
- RDF Boilers
 - *Co-combustion, 2971*
 - *Same requirement than WtE plan*
- ADEME tender
 - *14 projets*
 - *3 selected : 16 MW, 26 MW, 60 MwW*