



National plan for waste and resource management



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
*Ministère du Développement durable
et des Infrastructures*

How would you tackle the plastic challenge?

Most Europeans back measures to cut plastic waste.

With 87% of Europeans worried about the environmental impact of plastic, and 74% worried about impact on their health, people have the drive to tackle the plastic challenge, but what do they think should be done?

Source: Eurobarometer



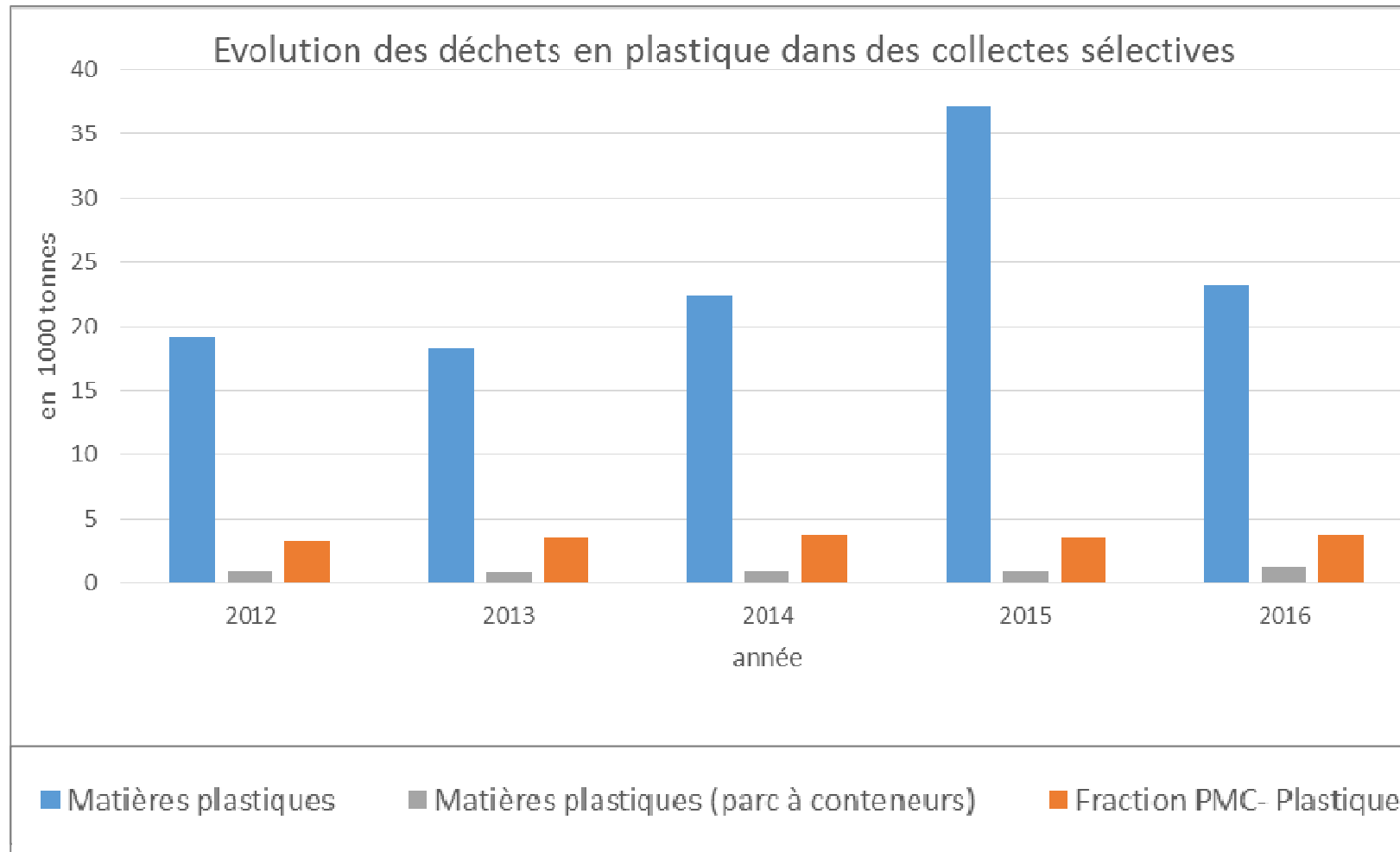
NET CO₂ EMISSIONS FROM PLASTICS IN THE EU COULD GROW BY 76% BY 2050

Source :Report “The Circular Economy a Powerful Force for Climate Mitigation”

“Following an EU-wide pledging campaign as part of the European Plastics Strategy, today the European Commission has given a preliminary assessment which shows that EU industry is significantly committed to recycling plastics - at least **10 million tons of recycled plastics could be** supplied by 2025 if the pledges are fully delivered. However, on the **demand side, only 5 million tons** are expected so far, demonstrating that more will be needed to achieve the objective of a well-functioning EU market of recycled plastics”

European Commission - Press release 20 nov. 2018.

Evolution of plastic waste in recent years



Focus on packaging waste



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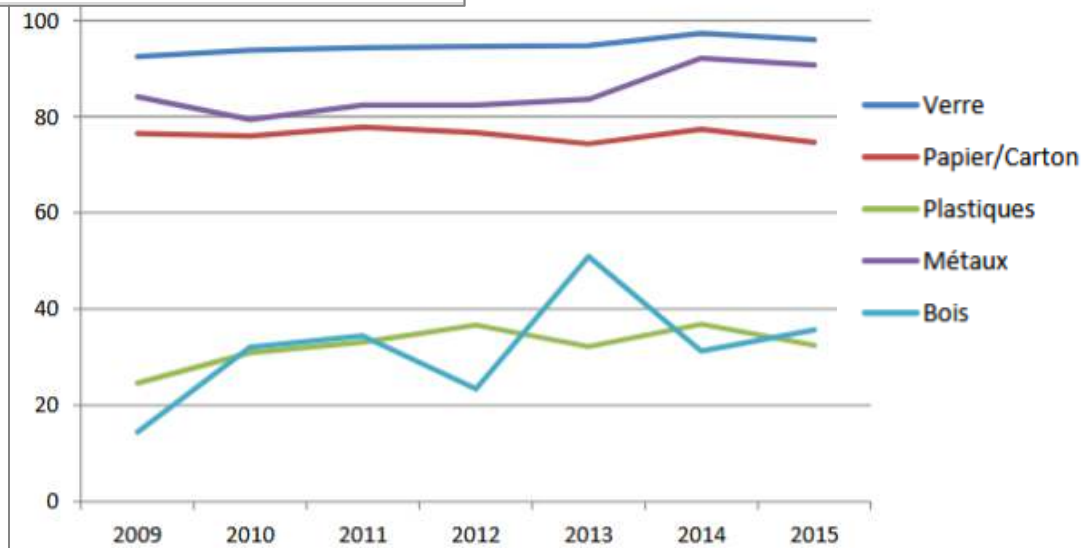
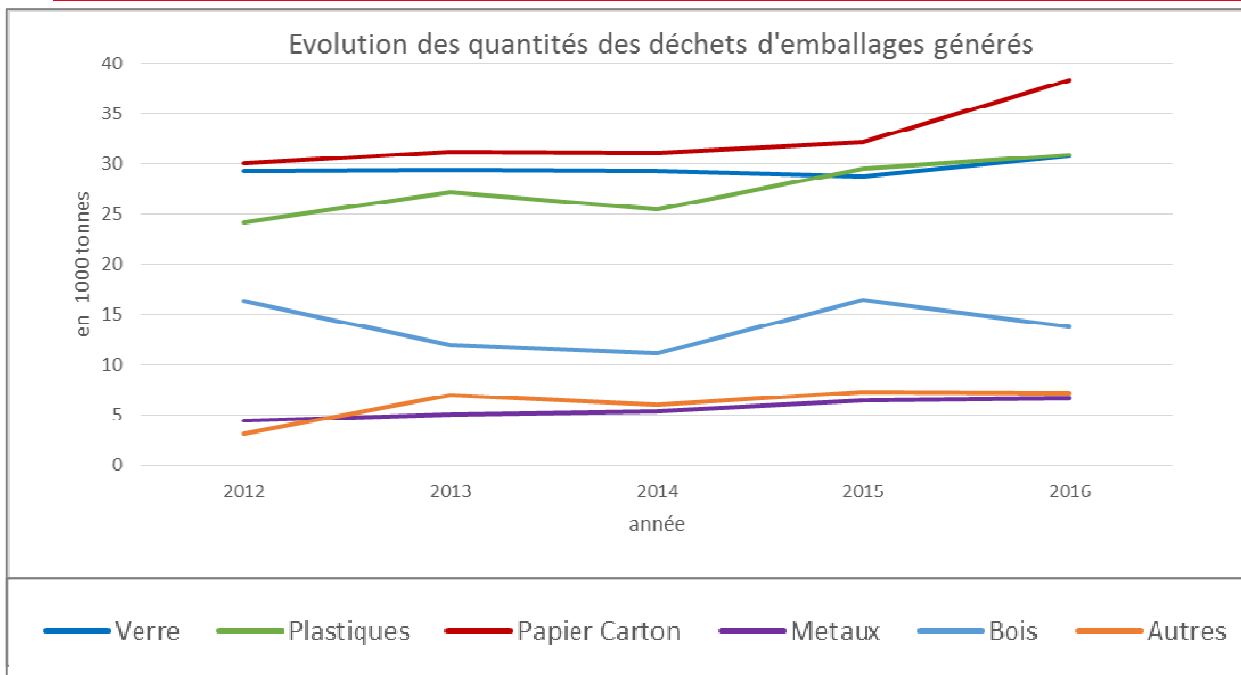
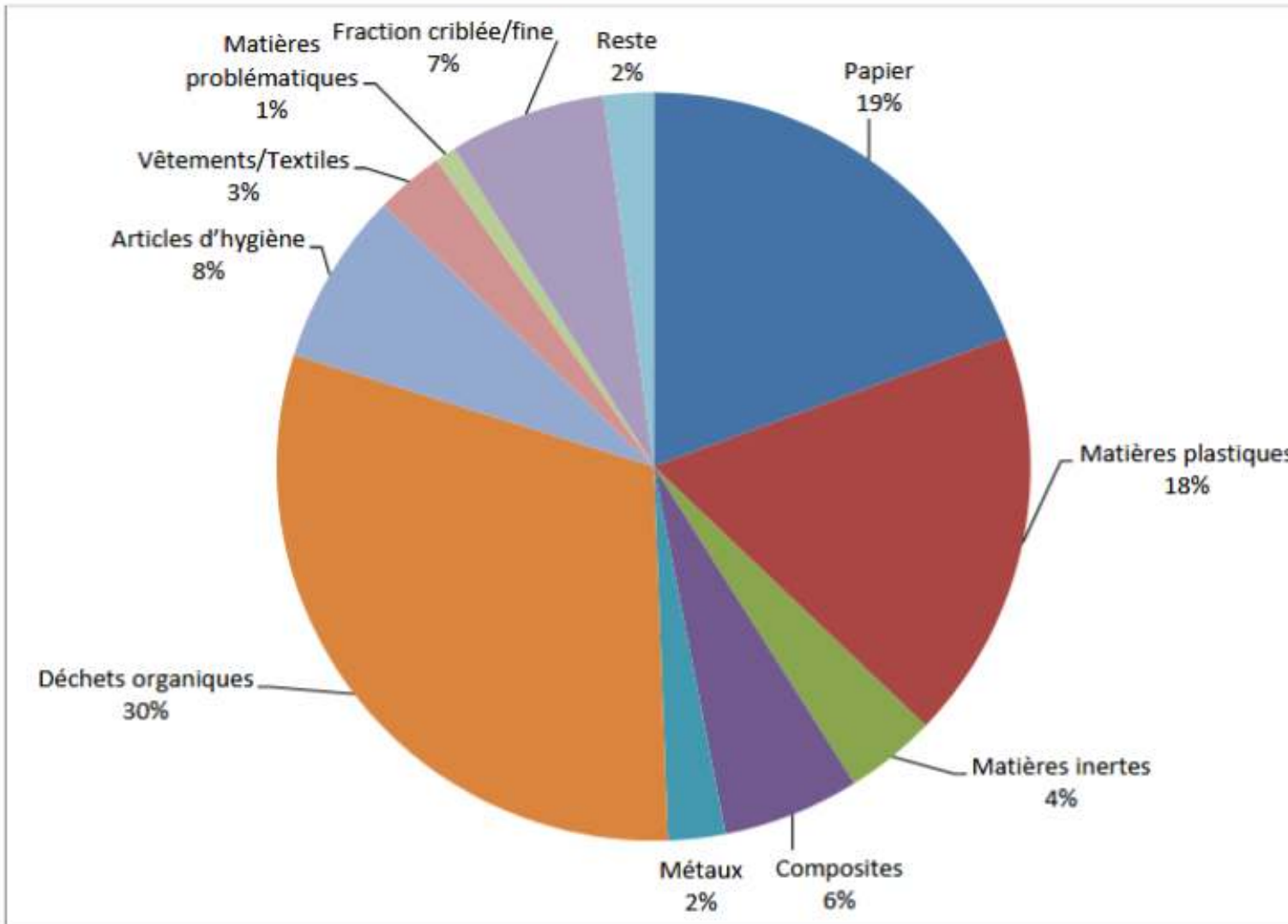


FIGURE 39: EVOLUTION EN % DES TAUX DE RECYCLAGE DES DIFFERENTS TYPES DE DECHETS D'EMBALLAGES

Focus on the municipal waste –What is in it ?



Focus on the municipal waste –What is in it ?



Fraction	Composition spécifique (kg/hab*an)			% -en poids	
	2009/2010	2013/2014	Evolution	2009/2010	2013/2014
Biodéchets	95,81	67,9	-41,1%	39,01	30,42
Papiers/cartons	43,7	43,21	-1,1%	17,79	19,35
Plastiques	37,64	39,74	+5,3%	15,34	17,81
Articles d'hygiène	14,84	16,7	+11,1%	6,04	7,48
Fraction criblée/fine	15,69	15	-4,6%	6,39	6,72
Vêtements/Textiles	6,7	6,56	-2,1%	2,73	2,94
Métaux	6,24	5,49	-13,7%	2,54	2,46
Matières inertes	10,38	8,71	-19,2%	4,23	3,9
Combinaison de matériaux/ Composites	7,69	13,09	+41,3%	3,13	5,86
Matières problématiques	2,62	2,01	-30,4%	1,06	0,9
Reste	4,33	4,77	+9,3%	1,76	2,14
Total	245,64	223,18	-10,1%		

TABLEAU 9: COMPOSITION DES DECHETS MUNICIPAUX EN MELANGE SELON LES ANALYSES EFFECTUEES EN 2009/2010 ET EN 2013/2014



The current objectives for packaging waste have been defined by the national plan for waste and resource management adopted in June 2018:

- Recycle at least 70 % of the packaging waste in 2022 (currently approx. 60 %)
- Prevention of packaging waste (reduction / ban of single use plastics)
- Meet the European targets set out in the directives 2015/720, 2018/852 and the upcoming single used plastic directive
- Promotion of multiuse packaging

Targets of directive 2018/852



(a) in paragraph 1, the following points are added:

(f) no later than 31 December 2025 a minimum of 65 % by weight of all packaging waste will be recycled;

(g) no later than 31 December 2025 the following minimum targets by weight for recycling will be met regarding the following specific materials contained in packaging waste:

(i) 50 % of plastic;

(ii) 25 % of wood;

(iii) 70 % of ferrous metals;

(iv) 50 % of aluminium;

(v) 70 % of glass;

(vi) 75 % of paper and cardboard;

(h) no later than 31 December 2030 a minimum of 70 % by weight of all packaging waste will be recycled;

(i) no later than 31 December 2030 the following minimum targets by weight for recycling will be met regarding the following specific materials contained in packaging waste:

(i) 55 % of plastic;

(ii) 30 % of wood;

(iii) 80 % of ferrous metals;

(iv) 60 % of aluminium;

(v) 75 % of glass;

(vi) 85 % of paper and cardboard;

The recycling share for plastic will need to be increased from approx. 32 % to 50 % in 2025.

How ?



- Prevention of packaging waste
 - Design of the packaging
 - Availability of alternatives (multiuse...)

- If a packaging is needed
 - Can it be identified by the final consumer and introduced into the appropriated valorization/recycling stream ?
 - Can the material be integrated into an existing recycling stream?
 - Is the recycling process able to deliver a quality that can be reintroduced into the market as raw material ?

- Collaboration between the different stakeholders
 - Research
 - Enable a market for recycled material (handling of SVHC...)



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