

Outline





Aims of waste legislation

proper waste management

⇒ without adverse impacts on environment and human health

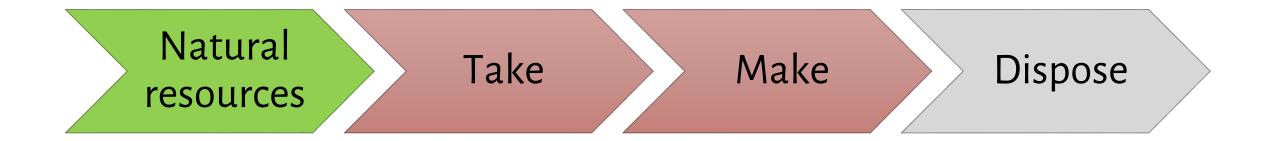


C-297/08 : failing to ensure that, Campania region has sufficient installations enabling it to dispose of its urban waste close to the place where that waste is produced, the Italian Republic **has failed to meet its obligation** to establish an integrated and adequate network of disposal installations (see 88)

Aims of waste legislation (2)

reduce generation of waste

- improve resource efficiency
- limit hazardous substances in waste
- waste can be a resource





EU waste legislation: system

general framework

- Directive 2008/98/EC on waste (WFD)
- Regulation (EC) 1013/2006 on shipments of waste (WSR)
- waste management operations
 - Directive 99/31/EC on the landfill of waste
 - Directive 2010/75/EU on industrial emissions: for waste incineration

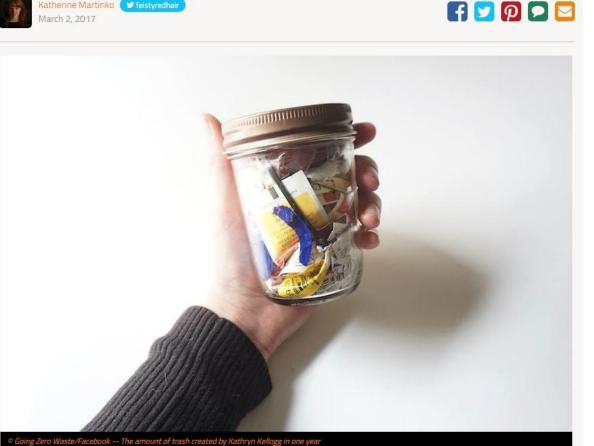
• specific waste streams (e.g.)

- Directive 94/62/EC on packaging and packaging waste
- Directive 2000/53/EC on end-of-life vehicles (ELV)
- Directive 2006/66/EC on batteries and accumulators
- Directive 2012/19/EU on waste electrical and electronic equipment (WEEE)

Life without waste

10 zero waste bloggers you should know





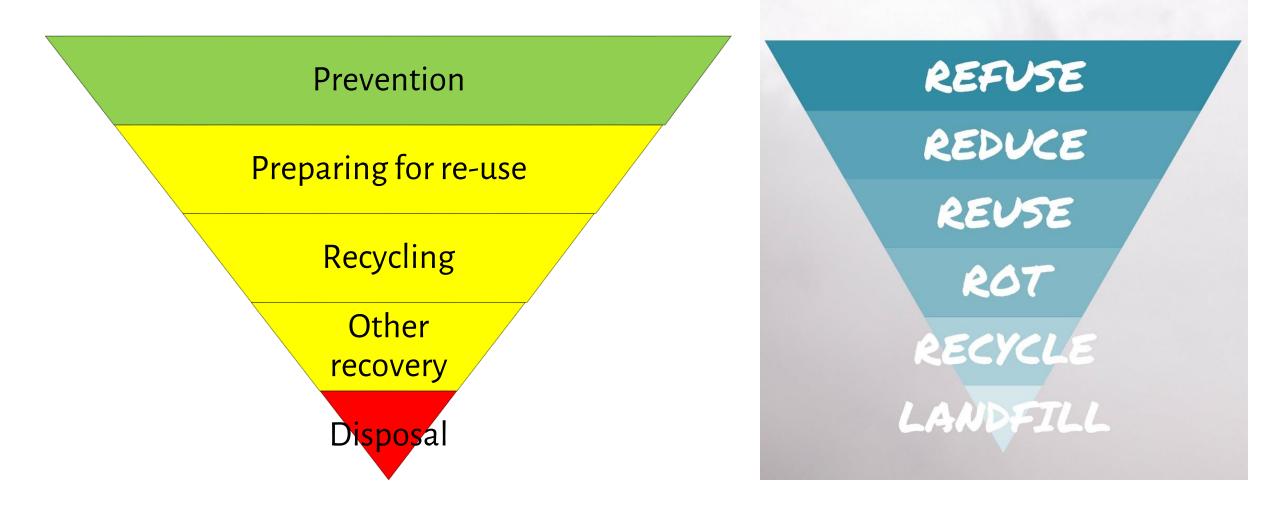
European Commission Directorate-General Environment



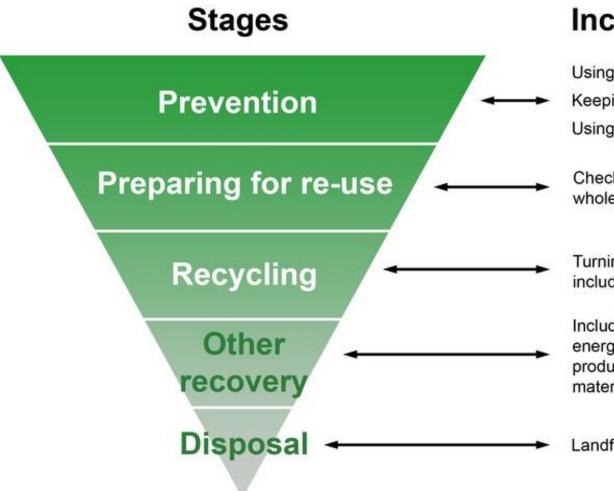
Preparing a Waste Prevention Programme

Guidance document

Waste management hierarchy



Waste management hierarchy (2)



Includes

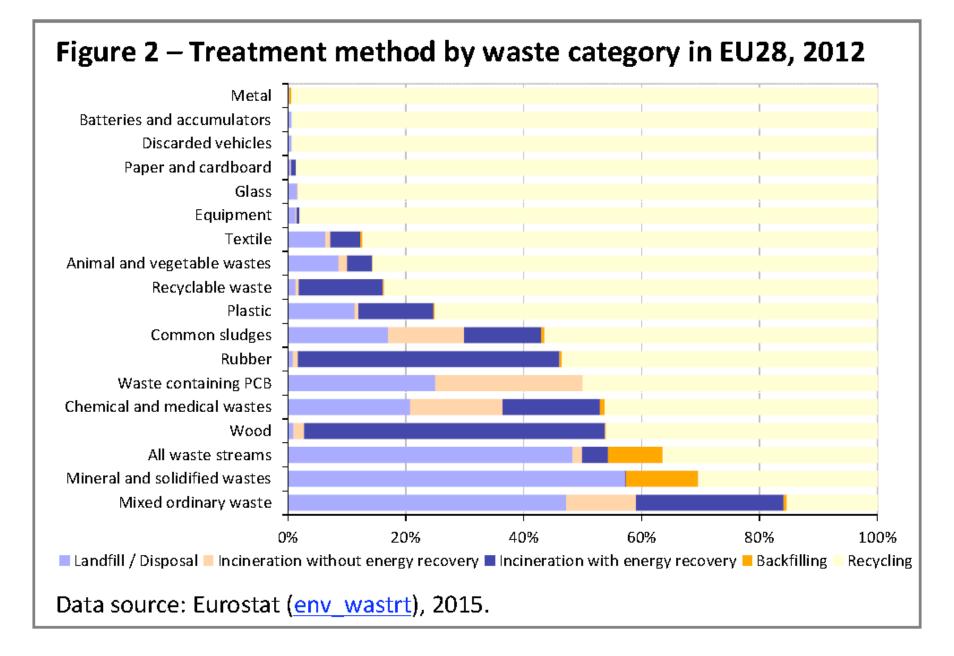
Using less material in design and manufacture. Keeping products for longer; re-use. Using less hazardous material.

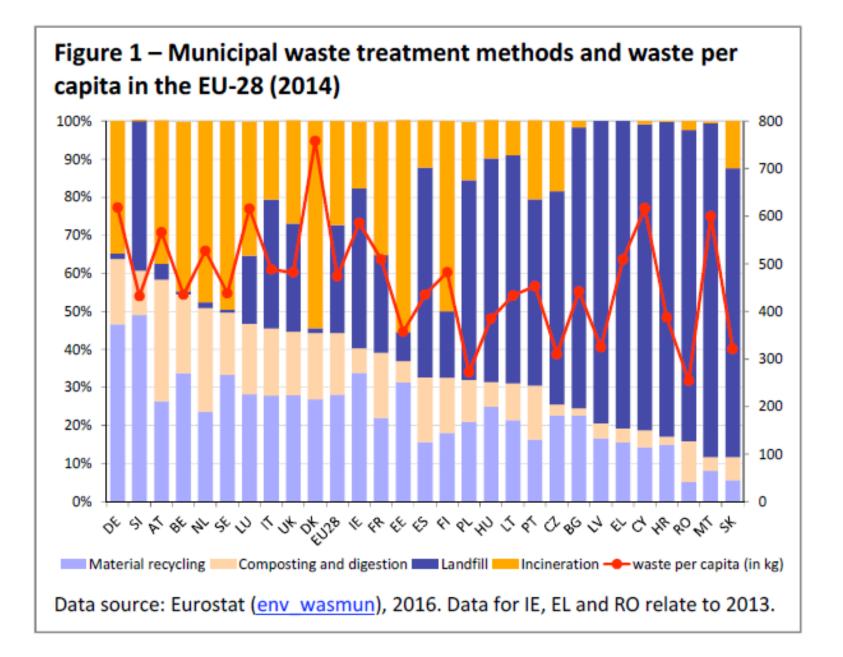
Checking, cleaning, repairing, refurbishing, repair, whole items or spare parts.

Turning waste into a new substance or product including composting if it meets quality protocols.

Including anaerobic digestion, incineration with energy recovery, gasification and pyrolysis which produce energy (fuels, heat and power) and materials from waste; some backfilling operations.

Landfill and incineration without energy recovery.





Targets (e.g.)

- by 2016/2020 **biodegradable municipal waste going to landfills** must be reduced to 35 % of the total amount (by weight) of biodegradable municipal waste produced in 1995 (art. 5 Landfill directive)
- by 2020 the preparing for re-use and the recycling of waste materials such as at least paper, metal, plastic and glass from households and possibly from other origins as far as these waste streams are similar to waste from households, shall be increased to a minimum of overall 50 % by weight (art. 11 WFD)

Circular economy package: new targets

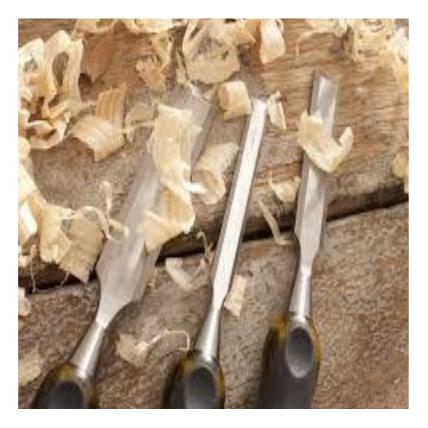
- four directives (2018/849-852), implementation by 5 July 2020
- the main elements of the amendments are:
 - increase of the preparing for re-use and recycling target for municipal waste to 60 % by 2030; 65 % by 2035
 - gradual **limitation of the landfilling** of municipal waste to 10% by 2035
 - mandatory separate collection of bio-waste by 2024, textiles by 2025
 - **food waste** should be reduced by 30% by 2025; 50% by 2030
 - + simplification of the legal framework on by-products and end-of-waste status

Definition of waste

- "any object which the holder discards or intends or is required to discard"
- these types of waste are **excluded**:
 - e.g. gaseous effluents emitted into the atmosphere
 - land (in situ) including unexcavated contaminated soil and buildings permanently connected with land (see case C-1/03 Van de Walle)
 - radioactive waste
- **excluded to the extent** that they are covered by other Community legislation
 - waste waters
 - waste from extractive industries (Directive 2006/21/EC)

${\bf Scope\, of WFD}$

Wastes from wood processing



Natural non-hazardous forestry material



Definition of waste (2)

• European List of Waste: Commission Decision 2000/532/EC

- 20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
- 20 01 separately collected fractions (except 15 01)
- 20 01 01 paper and cardboard
- 20 01 02 glass
- 20 01 08 biodegradable kitchen and canteen waste
- 20 01 10 clothes
- 20 01 11 textiles
- 20 01 13* solvents
- 20 01 14* acids
- 20 01 15* alkalines
- 20 01 17* photochemicals
- 20 01 19* pesticides

Definition of waste: interpretation (3)

- restrictive interpretation is forbidden high level of protection
- classification as 'waste' is to be inferred primarily from the holder's actions
- \rightarrow only the holder of the products can prove that he intends not to discard those products (C-113/12; 38, 64 burden of proof)
- it is necessary to **consider all circumstances** \rightarrow see 19

Definition of waste: indications (4)

- the object is a production residue
 - **produced intentionally** ⇒ product
- substances which are **capable of economic reutilization** (recovery) are not excluded
- limit the amount of object produced
- the object holder accepts that it is waste
- composition of the object is not suitable for the use made of it
- the method of production indicates that the object is **unwanted**
- no danger to environment
- degree of likelihood that the object will be used

ls it waste?



http://sitn.hms.harvard.edu/wp-content/uploads/2014/12/Sawdust.jpg





By-products

- substance (object) is **result from production process**
 - but primary aim is not the production of the substance
- conditions:
 - the substance is produced as an **integral part of a production** process
 - the substance **can be used directly** without any further processing other than normal industrial practice
 - further use is **lawful**
 - i.e. the substance fulfils all relevant product, environmental and health protection requirements for the specific use
 - will not lead to overall adverse environmental or human health impact
 - further use of the substance is certain

End-of-waste criteria

- waste has undergone a recovery and complies with specific criteria based on these conditions:
 - the substance is commonly used for specific purposes
 - a market or demand exists for such a substance
 - the substance fulfils the technical requirements for the specific purposes and meets the existing legislation and standards applicable to products
 - the use of the substance will not lead to overall adverse environmental or human health impacts

- Commission Regulation (EU) No 1179/2012 **establishing criteria** determining when glass cullet ceases to be waste
- Commission Regulation (EU) No 333/2011 establishing criteria determining when certain types of scrap metal cease to be waste



• 'recovery' means any operation the principal result of which is waste serving a useful purpose by replacing other materials which would otherwise have been used to fulfil a particular function

Types of waste

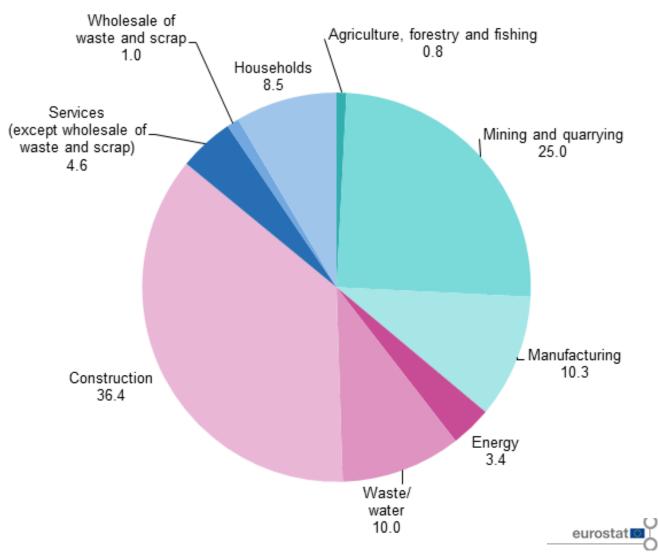
environmental impact

• hazardous vs. non-hazardous waste

• source

- industrial
- household
- commercial
- mining waste
- etc.
- physical state
 - liquid—solid

Waste generation by economic activities and households, EU-28, 2016 (%)



Hazardous waste

- is mentioned in the List of waste (*)
- displays one or more of the **properties listed in Annex I**II of WFD; Regulation (EU) No 1357/2014

- packaging and **labelling** requirements
- traceability from production to final destination
- **ban on the mixing** of hazardous waste with other waste or substances
- C-358/11 (Lapin) products from waste

Proper waste management

- MS shall take the necessary measures to ensure that waste management is carried out without endangering human health and the environment
- hand waste over to persons licensed to handle waste
- permits for waste treatment facilities
 - may be granted for a specified period
 - shall contain
 - the types and quantities of waste that may be treated
 - the method to be used for each type of operation
- new facility: EIA, IPPC, planning and building acts

Landfilling of waste

- landfilling is the worst waste management option
 - greenhouse gas loss of resources soil and water pollution
- landfill: "waste disposal site for the deposit of the waste onto or into land (i.e. underground)"
- landfill **classes**
 - for hazardous non-hazardous inert waste
- closing and after-care
 - closed after final on site inspection carried out by competent authority
 - operator remains responsible for maintenance and control of the site



Court of Justice of the European Union PRESS RELEASE No 99/18

Luxembourg, 4 July 2018

Judgment in Case C-626/16 Commission v Slovakia

Press and Information

For having delayed in implementing EU law on the landfill of waste, Slovakia is fined a lump sum of €1 000 000 and a penalty payment of €5 000 per day of delay

The Court had already found, in a judgment from 2013, that Slovakia had failed to fulfil its obligations

In a judgment of 25 April 2013,¹ the Court of Justice found that, by authorising the operation of the Žilina – Považský Chlmec landfill site (Slovakia) without a site-conditioning plan and in the absence of a definite decision on its continued operation on the basis of an approved site-conditioning plan, Slovakia had failed to fulfil its obligations under the directive on the landfill of waste.²

Economic instruments

Art. 14 WFD – "In accordance with the polluter-pays principle, the costs of waste management shall be borne by the original waste producer or by the current or previous waste holders."

broad discretion by MS

- landfilling fee
- incineration fee
- local fee for handling of household waste
- payment for recovery and recycling of packaging waste

Costs of landfill disposal

- ... whatever the national **rules** may be governing landfill sites, they **must ensure that that all the operating costs of such a site is actually borne by the holders of the waste deposited in the landfill for disposal**.
 - C-172/08 Pontina Ambiente

GENERAL INFO

Waste collection fee How to pay De-register when leaving FAQ Recycling Useful links

Waste collection fee

All foreign citizens who intend to stay in Brno for longer than 3 months have the responsibility to pay the waste collection fee in the same amount as Czech citizens.

The responsibility to pay the fee is placed on individual residents, not landlords or property owners. If utilities are included in your rent, ask your landlord if he or she has also paid the waste collection fee (it is unusual, though). If not, please follow the easy instructions below.

The fee is paid once a year by May 31.

If you arrive later in a year than that (after May), you are obliged to pay within 15 days after your arrival.

The municipality has announced the regulation in several languages, including English here.



PPP: guiding principle

'Pay as you throw' cuts waste and encourages recycling, French report finds

By Marine Jobert | Journal de l'environnement | translated by Samuel White 👘 9. 3. 2016



Recycling habits improve with "pay as you throw" schemes. [KaliAntye/Shutterstock]

C-335/16 (VG Čistoća d.o.o. v Vladika)

- financing an urban waste management and disposal service
- the competent national authorities have a **wide discretion** with regard to determining how prices are calculated
- the price charged shall not result in the imposition on certain 'holders' of costs that are **manifestly disproportionate to the volume** or to the type of waste that they are liable to produce
- criteria relating to the type of property that the users occupy, its surface area and use, the productive capacity of the waste 'holders', **the volume of the containers provided to the users, and the frequency of collection**, in so far as those parameters are liable to have a direct impact on the amount of the costs of waste management and disposal.

Extended producer liability

- duties of producers of products from which the waste came
 - an acceptance of returned products
 - subsequent management of the waste and financial responsibility for such activities
 - costs of waste management could be borne partly or wholly by the producer of the product
- e.g. packaging waste, end of life vehicles, batteries, electric and electronic equipment

Packaging waste

- packaging: "all products made of any materials of any nature to be used for the containment, protection, handling, delivery and presentation of goods"
- technical requirements
 - standards concentration levels of heavy metals
- recycling targets for materials contained in packaging waste
 - collection systems producer responsibility organisations
 - separate collection shall be set up for at least the following: paper, metal, plastic and glass (art. 11 WFD)
 - obligation to offer re-usable packaging

Making bins more convenient boosts recycling and composting rates

- Date: April 21, 2017
- Source: University of British Columbia
- Summary: Want to recycle or compost more? Try moving the bins closer, new research suggests. The study shows that placing bins 1.5 meters away from suite doors drastically boosts recycling and composting rates by 141 per cent. The findings highlight how small changes in convenience can have a big impact on performance.



RELATED TOPICS

FULL STORY

Earth & Climate

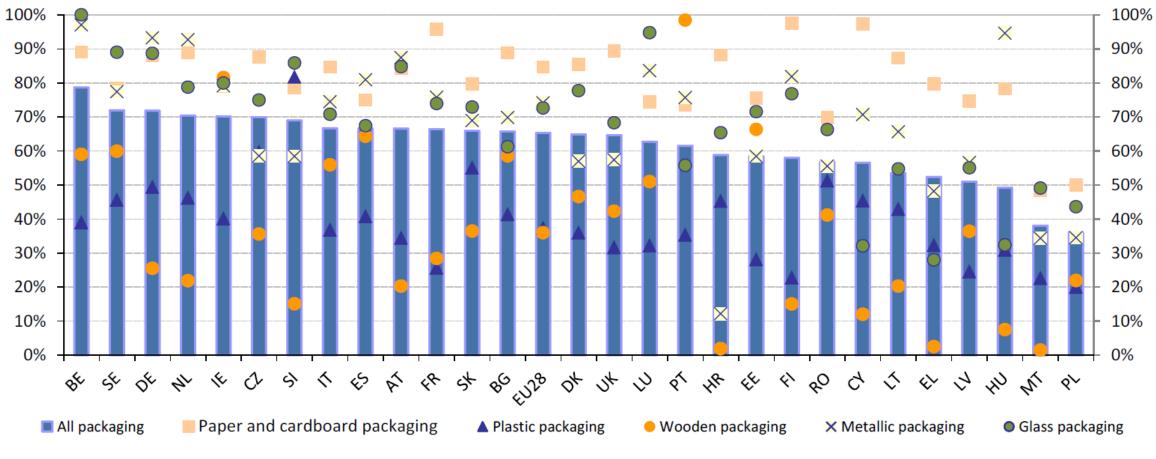
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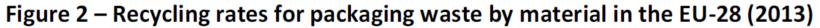
Placing bins 1.5 metres away from suite doors boosts recycling and composting rates by

Placing bins 1.5 metres away from suite doors drastically boosts recycling and composting rates by 141 per cent.

Credit: University of British Columbia

141%





Data source: Eurostat (env waspac), 2016. Data for Romania relate to 2012.

Problem

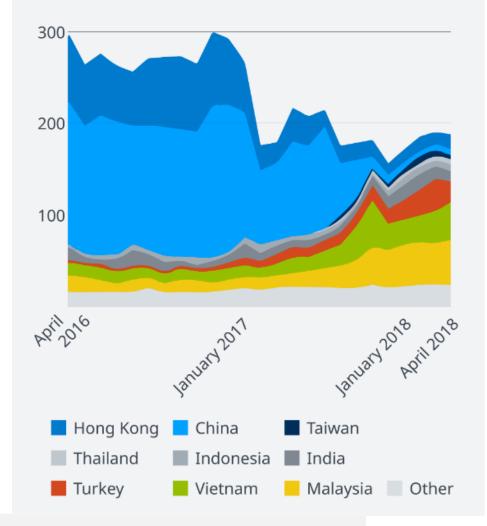
Plastics Pile Up as China Refuses to Take the West's Recycling



Officials in Britain and the West are scrambling to cope with growing piles of plastics like this one in China. Beijing banned the import of many recyclables on Jan.1. Fred Dufour/Agence France-Presse — Getty Images

Where European plastic waste goes to rest

Thousand metric tons



Plastic carrier bags

- directive (EU) 2015/720 of 29 April 2015
- aim: **sustained reduction in the consumption of lightweight plastic carrier bags** (wall thickness below 50 micron)
 - annual consumption level does not exceed 90 lightweight plastic carrier bags per person by 31 December 2019
 - or by 31 December 2018, lightweight plastic carrier bags are not provided free of charge at the point of sale of goods

Experiences

England's plastic bag usage drops 85% since 5p charge introduced

Number of single-use bags handed out dropped to 500m in first six months since charge, compared with 7bn the previous year



In Plastic bag floating underwater at Pulau Bunaken, Indonesia. Around 8m tonnes of plastic flows into the world's oceans each year. Photograph: Paul Kennedy/Getty Images



Czech Republic Bids Farewell to Free Plastic Bags in 2018

0 18.12.2017 - \boxdot In the News - \circlearrowright 1 Comment - 2 Expats.cz

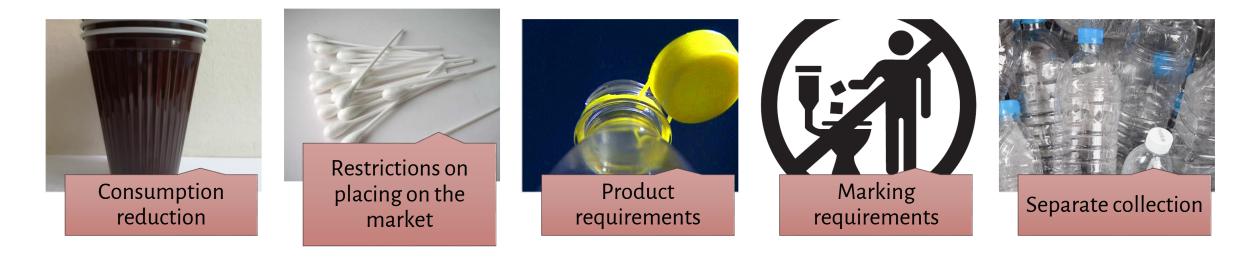


The Czech Ministry of the Environment (MOE) has issued a statement reminding retailers and consumers that as of January 1, shops must charge for plastic bags or pay a steep penalty.

Charging for plastic bags is not only an obligation under European law, says the MOE of the amendment to the Packaging Act, but an important step toward eradicating the hazardous effects of plastic bags on the environment.

EU Plastic strategy

• proposal for a directive on the reduction of the impact of certain plastic products on the environment



- re-usable alternatives
- payments

• 25 % recycled plastics

Will we start paying deposits on plastic bottles? Deposit return system on plastic bottles in the Czech Republic

🌲 BD Staff 🛛 🗿 January 26, 2018 🛛 📓 Brno Daily Recommends, Lifestyle and Fashion, News 🐲 No Comment



Deposit return system on plastic bottles – Experts are going to find out whether it will pay off in the Czech Republic, Czech online news server Aktualne.cz reports. Photo: @BrnoDaily



Prague Bans Plastic Cups At Music Festivals



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WMP&WPP

Waste management plans

- obligation of MS
- WMP shall cover the whole territory of the MS
- evaluation at least every sixth year \Rightarrow review
- targets&measures

Waste prevention programmes

- separate document, integral part of WMP or other environmental policy programme
- description and evaluation of prevention measures
 - see Annex IV WFD: examples of waste prevention measures

Shipment of waste

- Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal
- Basel Ban: no export of hazardous waste and waste for disposal to non-OECD countries
- information procedure
 - waste has to be accompanied by documents signed by exporter and recovery facility
 - contract
- notification procedure

Notification procedure

- all waste for disposal
 - including mixed municipal waste collected from private households
- waste listed in certain Annexes
- notification through competent authority of dispatch
- prior consent of the authority of destination
 - reasoned objection on the following reasons
 - disposal (art. 11) bad record of notifier, such shipments would result in national waste having to be disposed; proximity principle
 - recovery (art. 12)

Other issues

enforcement

- penalties
- take-back obligation (art. 22-25)
 - the shipment is illegal or cannot be completed
- financial guarantee
- checks on shipment (art. 50)
 - during the shipment at frontiers at the destination

shipment within MS

• appropriate system for supervision and control of shipment of waste