



# Is waste being wasted?

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# Waste: EU Biggest headache!

**1.3 billion tonnes/year of non-agriculture waste in EU of which 60 million are hazardous waste.**

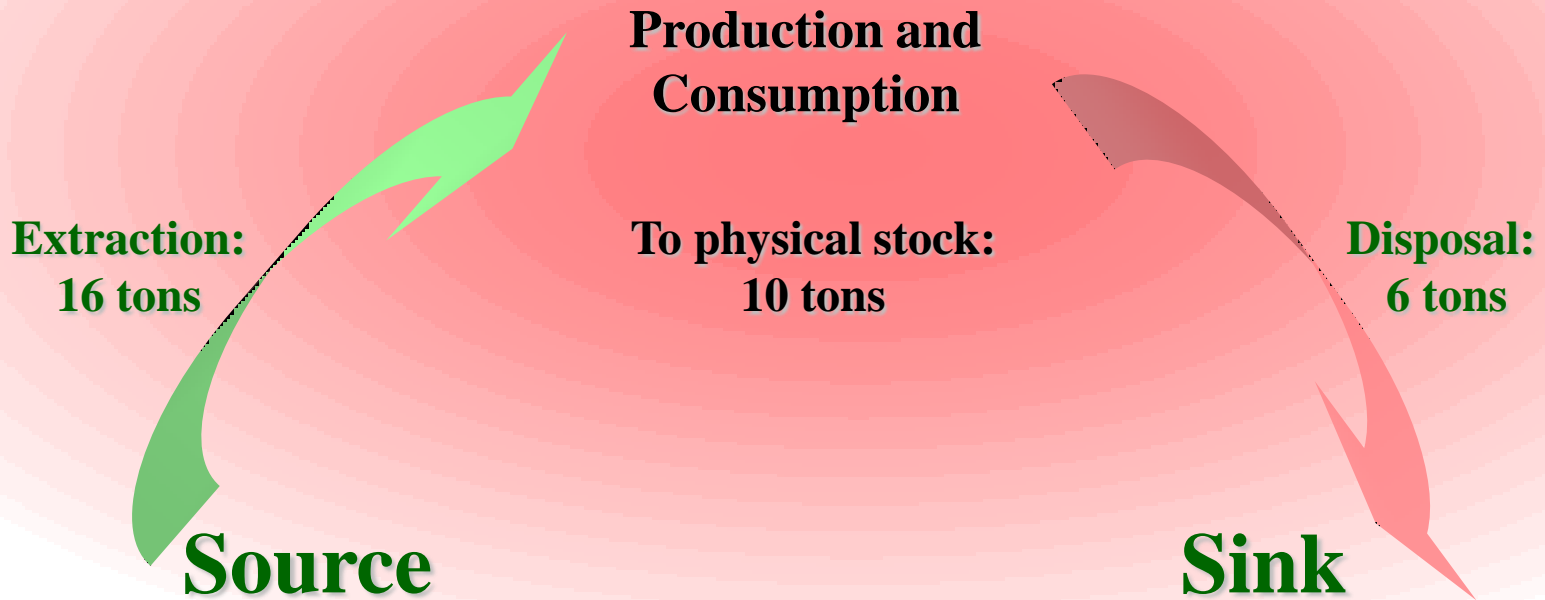
**EU-15: 570 Kg per capita per annum**

**EU-12: 350 Kg per capita per annum**

**Management cost: € 75 billion/year**



# Saving natural resources: Life after death



**Environment**

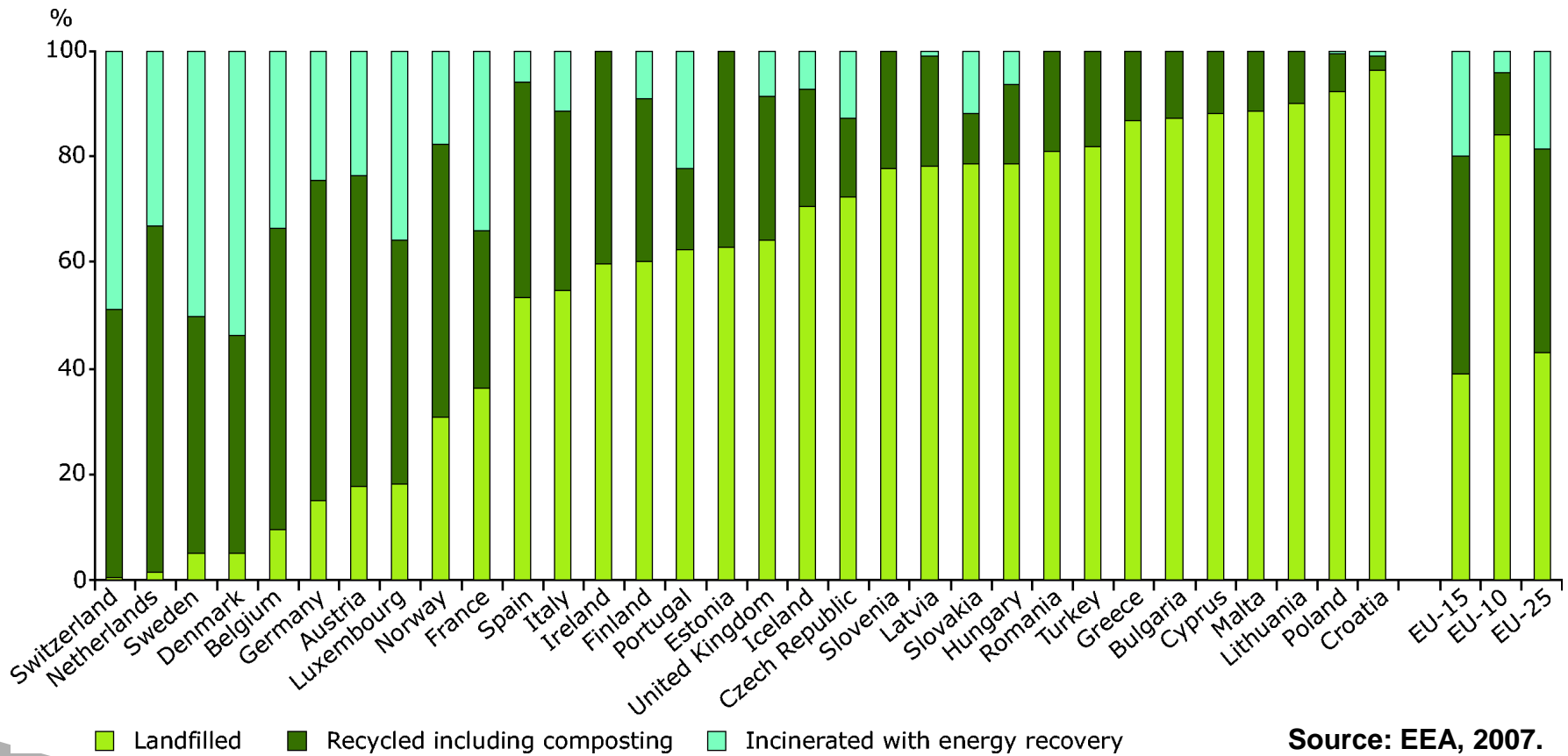




Weekly	Fortnightly		Two collections per year	
Garbage	Recycling (co-mingled)	Green Waste	Hard Waste	Bundled Branches
				
140 litre or 80 litre	240 litre blue bin	240 litre bin with a red lid	On the nature strip	On the nature strip

35%

# What are we doing with our municipal waste?

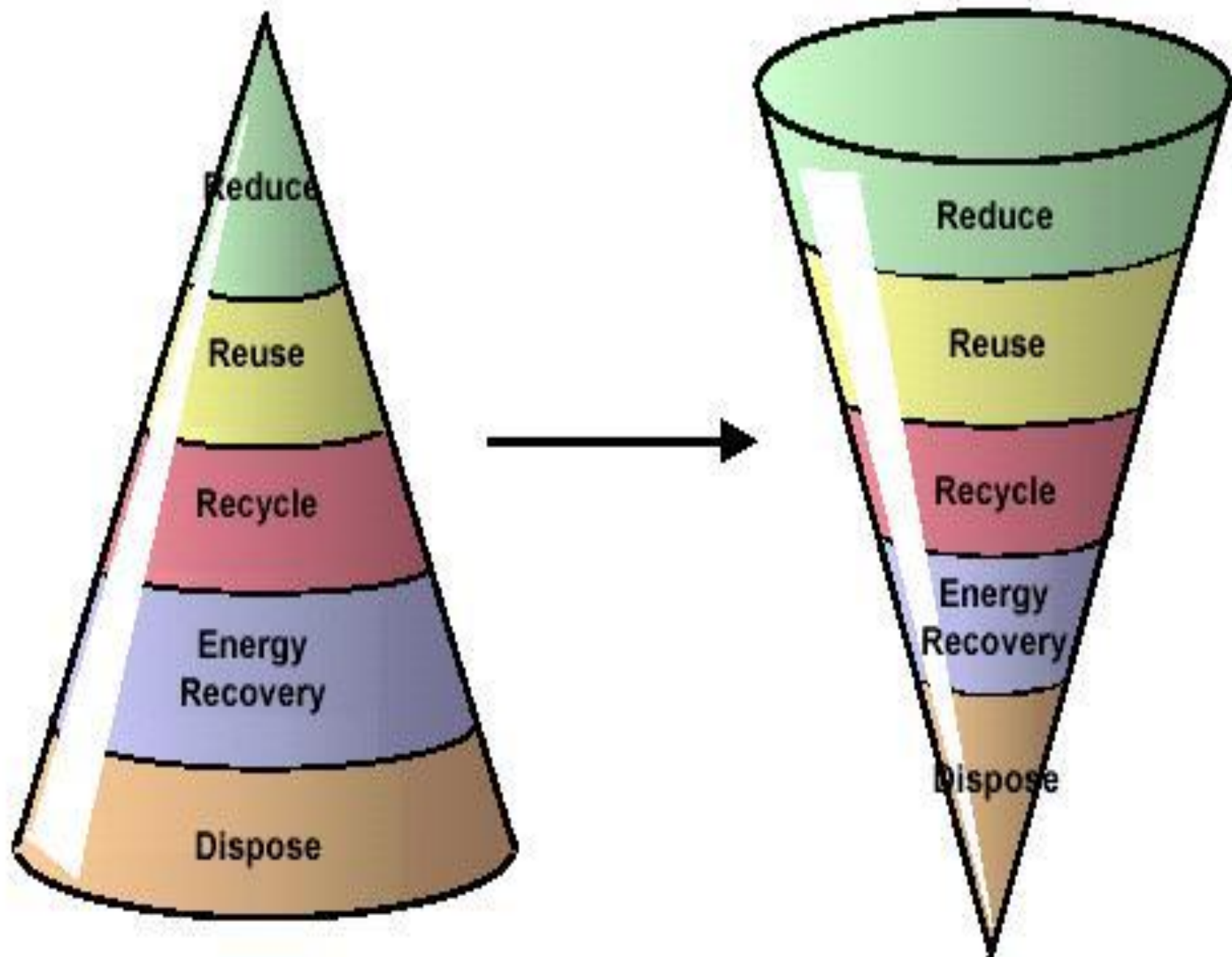


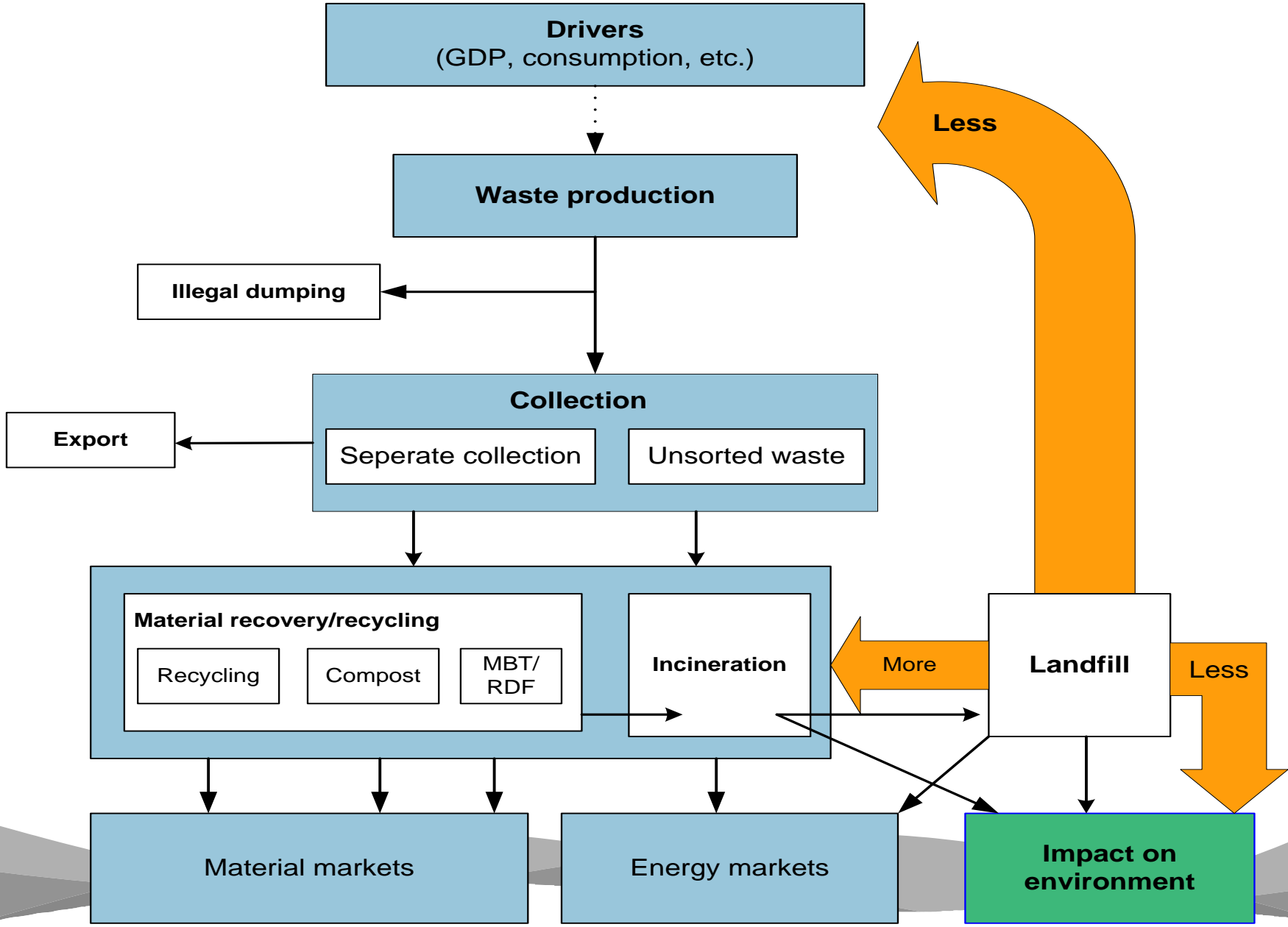
Source: EEA, 2007.

# **Implementation of EU Landfill Legislation**

## **Waste acceptance criteria**

- **Council Decision 2003/33/EC applicable since 16 July 2005**
- **No transparency as to how waste acceptance criteria are applied in different MS.**
- **The Commission is currently analysing the implementation rate in MS**
- **An ongoing IMPEL project is working on improving the understanding and knowledge of the Landfill Directive and Waste Acceptance Decision**



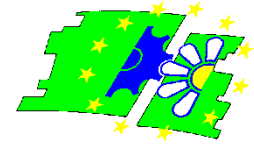


↓ = Waste, materials, energy flows

↓ = Waste policy objectives



# Hard Law



## Waste Prevention and Recycling Strategy

COM(2005)...

### Framework Legislation

**Waste Framework Directive**  
(Dir. 75/442/EEC)  
*Revised in Thematic Strategy*

~~**Hazardous Waste Directive**~~  
~~(Dir. 91/676/EEC)~~

**Waste Shipment Regulation**  
(Reg. (EEC) 259/93)  
*Just revised*

### Waste Treatment Operations

**Incineration**  
89/369 & 429 (MW) 94/67 (HW)  
Replaced by 2000/76/EC

**Landfill**  
99/31/EC

**Recycling**  
*EU Standards, ..., as part of Recycling Strategy*

### Waste Streams

~~**Waste**~~  
~~Dir. 75/439/EEC~~

*repeal in Thematic Strategy*

~~**Titanium Directive**~~  
~~Dir. 78/176/EEC~~

*Possibility to partly repeal in 2006*

**Sewage Sludge**  
Dir. 86/278/EEC

*Up-date in 2006*

**Batteries and Accumulators**  
Dir. 91/157/EEC & 93/86/EEC  
COM(2003)723

*New proposal in co-decision*

**Packaging and Packaging Waste**  
Dir. 94/62/EC

**PCBs**  
Dir. 96/59/EC

**End-of-life Vehicles**  
Dir. 2000/53/EC

**Waste electric and electronic equipment**  
Dir. 2002/95/EC

**Restriction of Hazardous Substances**  
Dir. 2002/95/EC

**Mining Waste**  
Com (2003)319  
*Just revised*

# Implementation, implementation & implementation

- Thousands of illegal landfills
- More than 1 on 4 shipments of waste found to be illegal
- Heightening number of infringement cases
- Bottomline: still high risk of damage to health and safety



# Implementation of EU Landfill Legislation Enforcement

## ■ Infringement proceedings Art. 226 EC

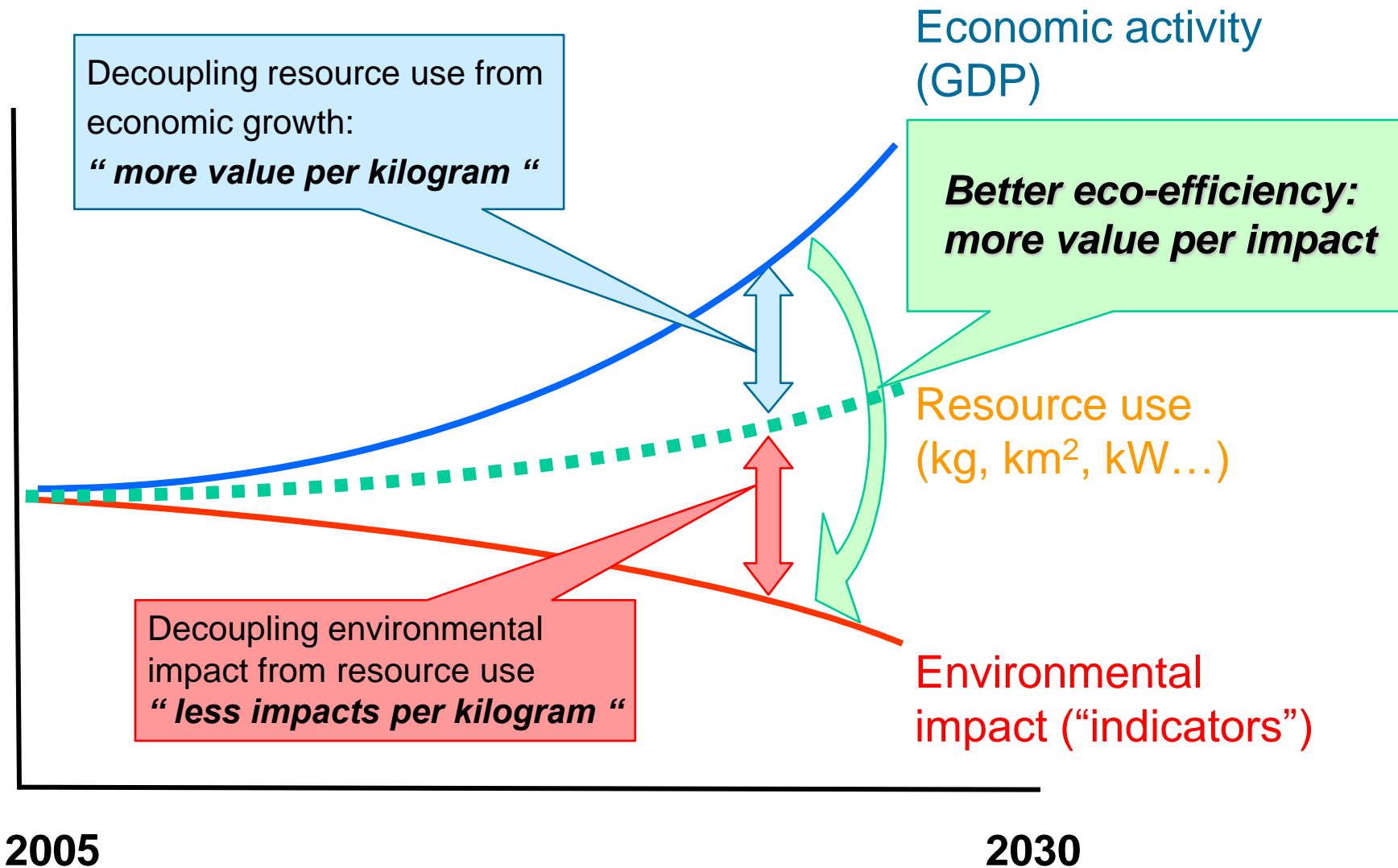
- Letter of formal notice
- Reasoned opinion

## ■ Infringement proceedings Art. 228 EC

- Lump sum or penalty depend on:
  - Seriousness of infringement (factor x)
  - Duration (factor x)
  - Deterrent effect (factor x)

## ■ Daily penalties of 140.000€ or a lump sum of 20.Mio € are not uncommon

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# Waste can make sound packaging





## Some targets in waste legislation

		min recovery	min recycling	collection rate
Packaging	2008	60%	55% (+ for specific materials)	
Cars	2015	95%	85%	100%
Electronics	2006	70%	50%	min 4 kg per inhabitant per year
Batteries	2016			45%
	2010	50% to 75% (efficiency)		
Tyres	2006	0 landfill of tyres		
Biowaste	2006	reduction to 75% of the 1995 level		
	2009	reduction to 50% of the 1995 level		
	2016	reduction to 35% of the 1995 level		



**COUNTDOWN**

**2010**

**SAVE BIODIVERSITY**

