



# Quantified objectives and performances for recycling in Europe

ACR+ Conference

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# Outline

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1. Existing EU Waste legislation and Targets
2. Roadmap on Resource Efficiency -Quantified Objectives
3. Target Review
4. Next Steps and Conclusions



# Existing EU Waste Legislation and Targets

# Thematic Strategy on Waste Prevention and Recycling

## Waste Framework Directive

(Includes Municipal and Construction Demolition waste)

## Waste Shipment Regulation

Incineration Directive

Landfill Directive

Recycling Standards  
(future)

Packaging

Batteries

WEEE &  
Restriction  
of use

Vehicles

Mining  
waste

Sewage  
Sludge

PCB/  
PCT

Framework

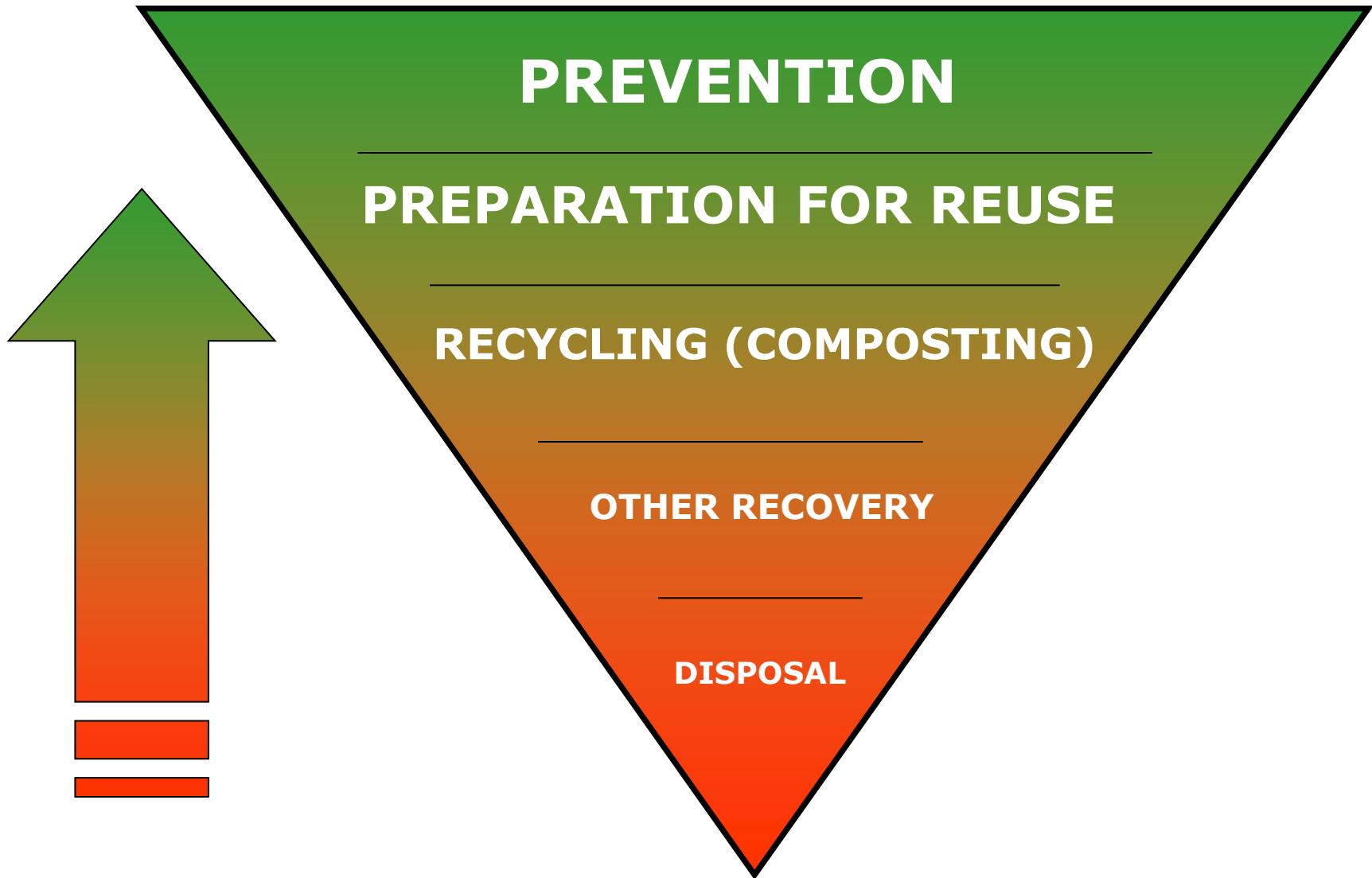
Treatment


Streams

*In Brown : with targets*



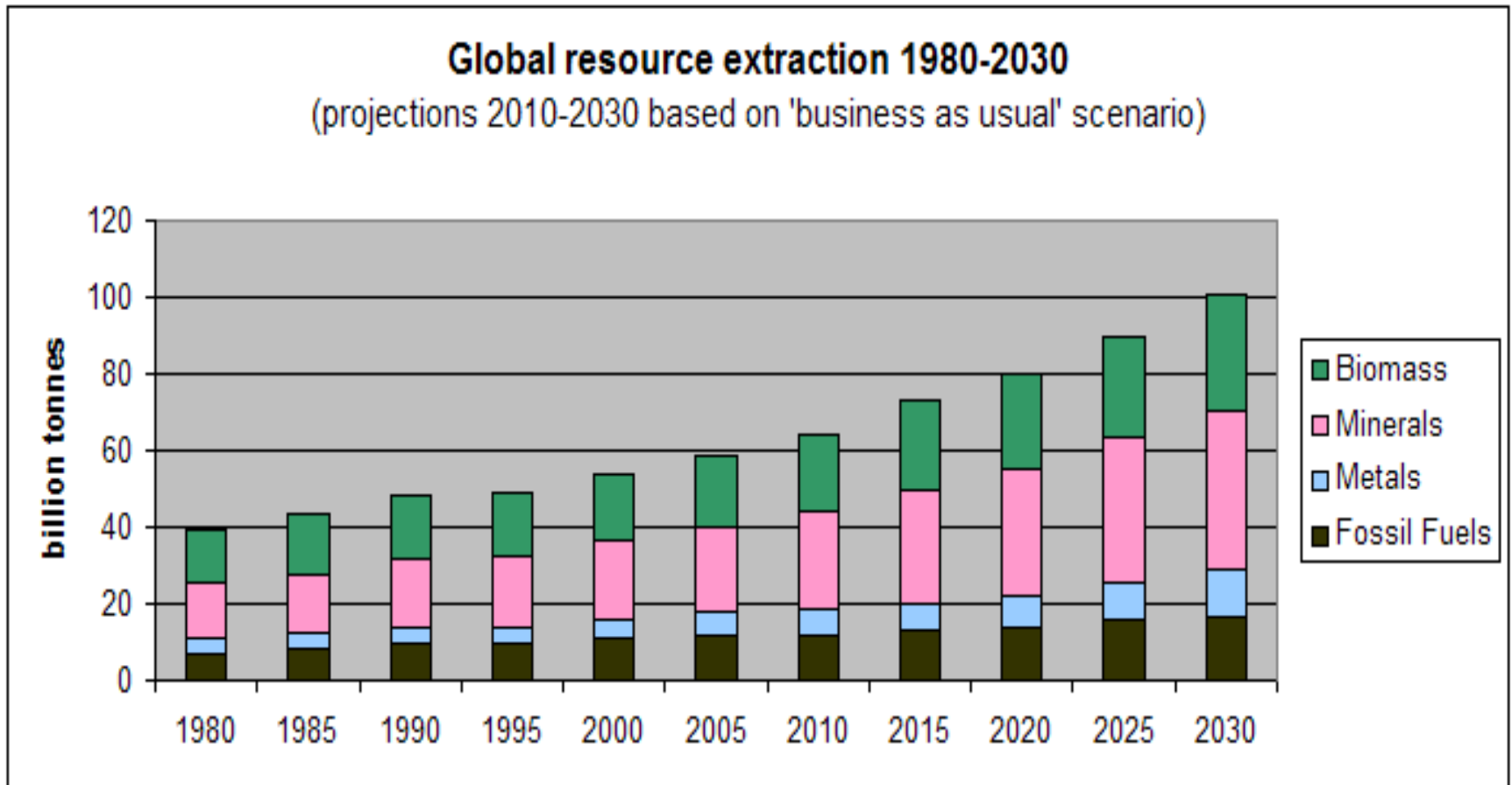
European  
Commission



EU Targets 		Recovery	Recycling	Collection rate
Packaging	2008	60%	55%	
	2015	95%	85%	100%
Cars	2006	70%	50%	min 4 kg per inhabitant per year
	2016			85% of WEEE arising (recast)
Electronics	2019/21		50% to 75% (efficiency)	
Batteries	2011			
	2012			25%
	2016			45%
Tyres	2006	0 landfill of tyres		
	2006	reduction to 75% of the 1995 level		
Biowaste diverted from landfills	2009	reduction to 50% of the 1995 level		
	2016	reduction to 35% of the 1995 level		
Municipal waste	2015	Separate collection: at least paper/metal/plastic/glass		
	2020	50% recycling household waste		
Construction				



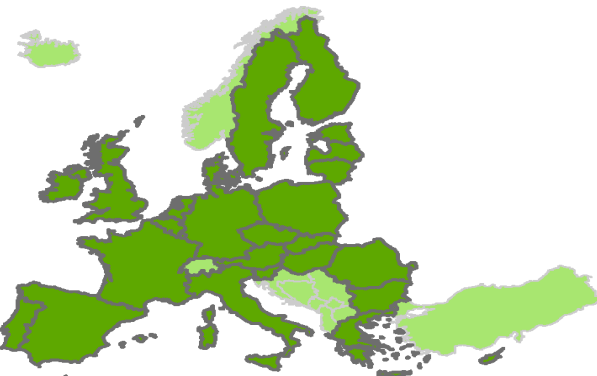
# Roadmap on Resource Efficiency - Quantified Objectives



Source: EEA 2010 derived from SERI GLOBAL 2000, Friends of the Earth Europe (2009)



# European Union (EU-27)

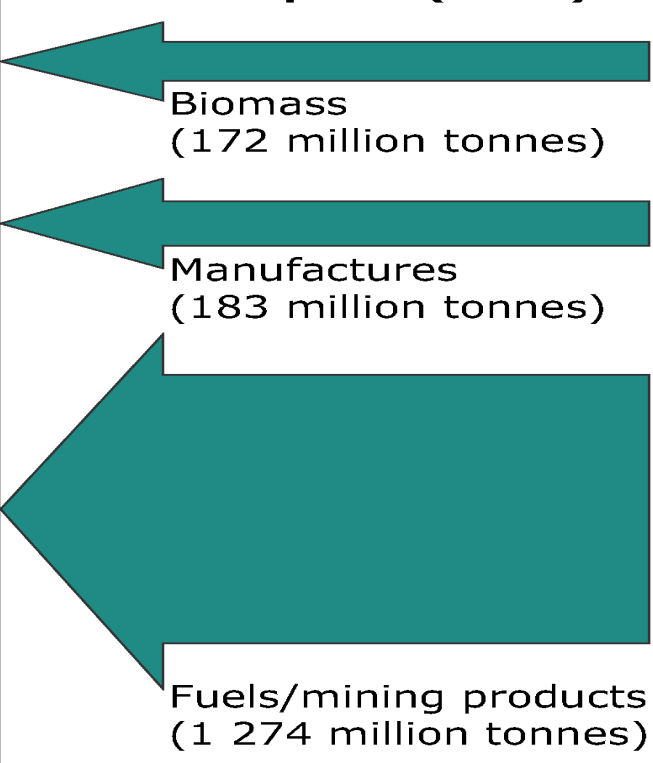
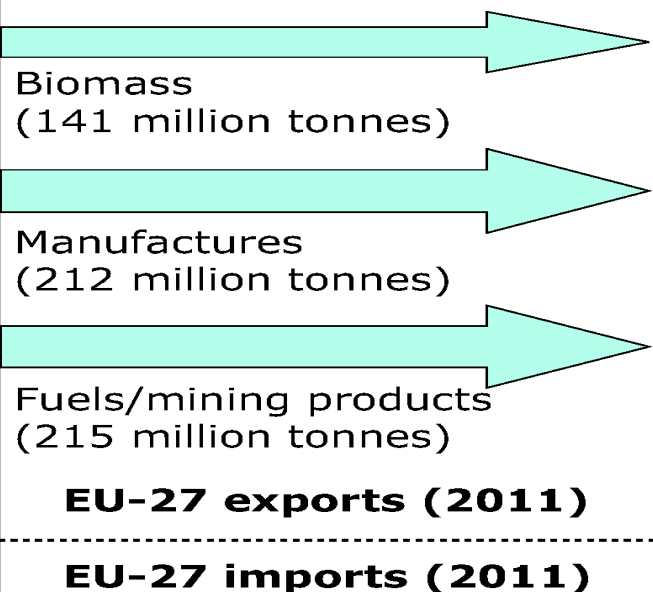


**Total trade from EU-27 to ROW**

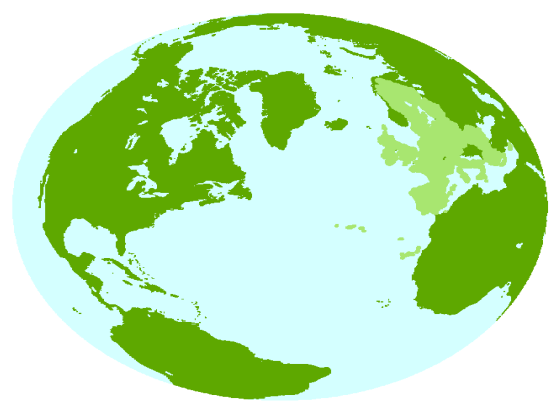
in 1999:  
397 million tonnes

in 2008:  
536 million tonnes

in 2011:  
568 million tonnes



# Rest of the world (ROW)



**Total trade from ROW to EU-27**

in 1999:  
1 340 million tonnes

in 2008:  
1 798 million tonnes

in 2011:  
1 629 million tonnes

Source: Eurostat Comext Statistics, EEA 2010



# Waste as resource

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## 2020 aspirational objectives

- Full implementation of the EU waste acquis
- Waste generation per capita in decline
- Recycling and reuse are economically attractive
- Energy recovery limited to non-recyclable materials
- Landfilling virtually eliminated

# Waste as Resource – In practice

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- Review targets on prevention, reuse and recycling and landfill diversion (2014)

## Other supportive measures

- EU public funding aligned with waste hierarchy
- Improve coherence of the EU legislation
- Product policy (reusability, recyclability, recycled content, durability)
- Measures to extend producer responsibility



# Target Review

# Target Review

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**Objective:** 'translate' the Roadmap aspirational targets

**Timing:** Proposal by 2014 – stakeholder consultation in 2013

**Scope:**

- Landfill diversion targets
- Packaging
- Waste Framework

# Challenge/Open issues

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## **Prevention and re-use**

## **Statistics & Calculation methods**

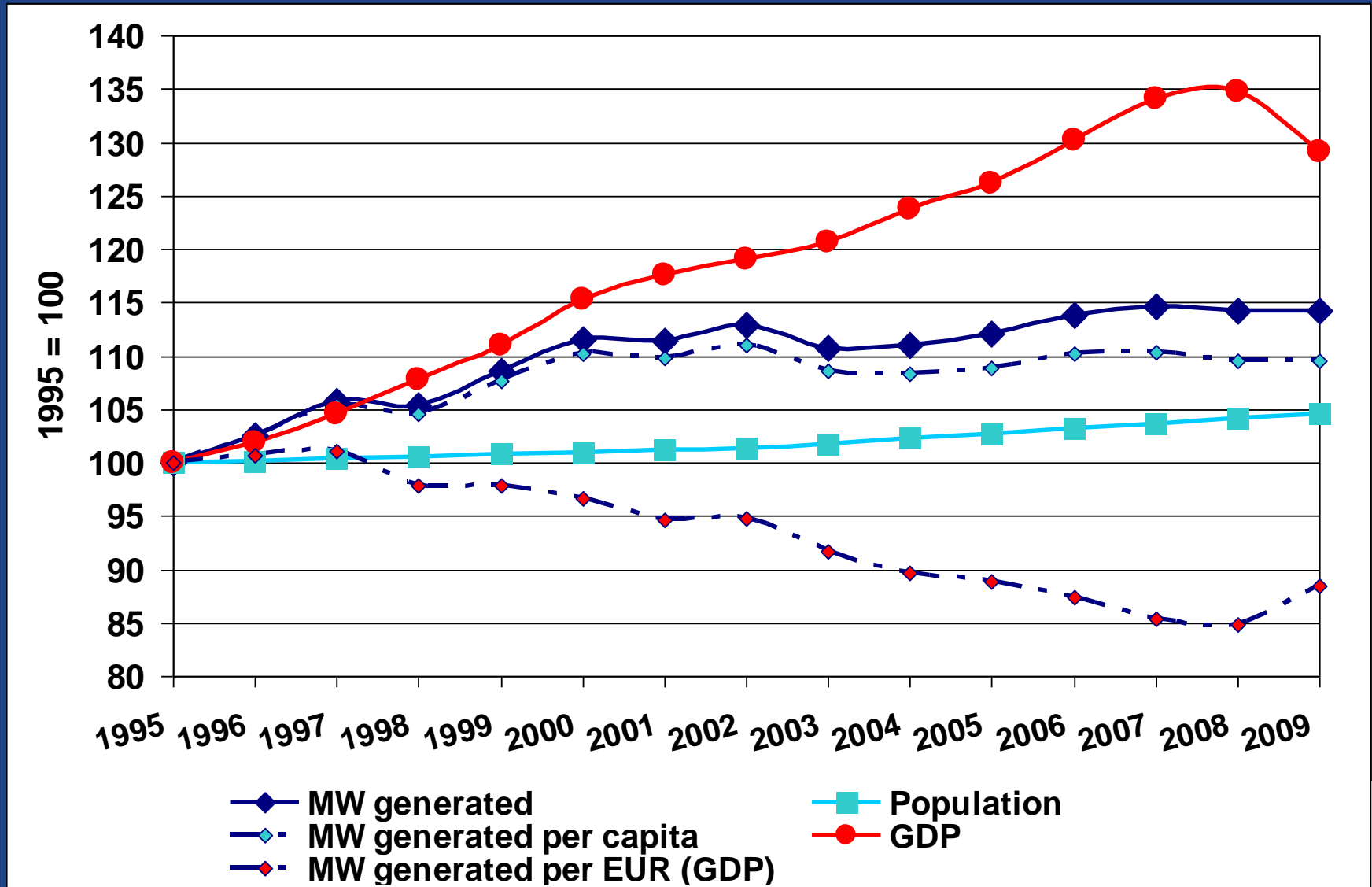
## **Targets**

- Reinforced targets
- New targets for new waste streams

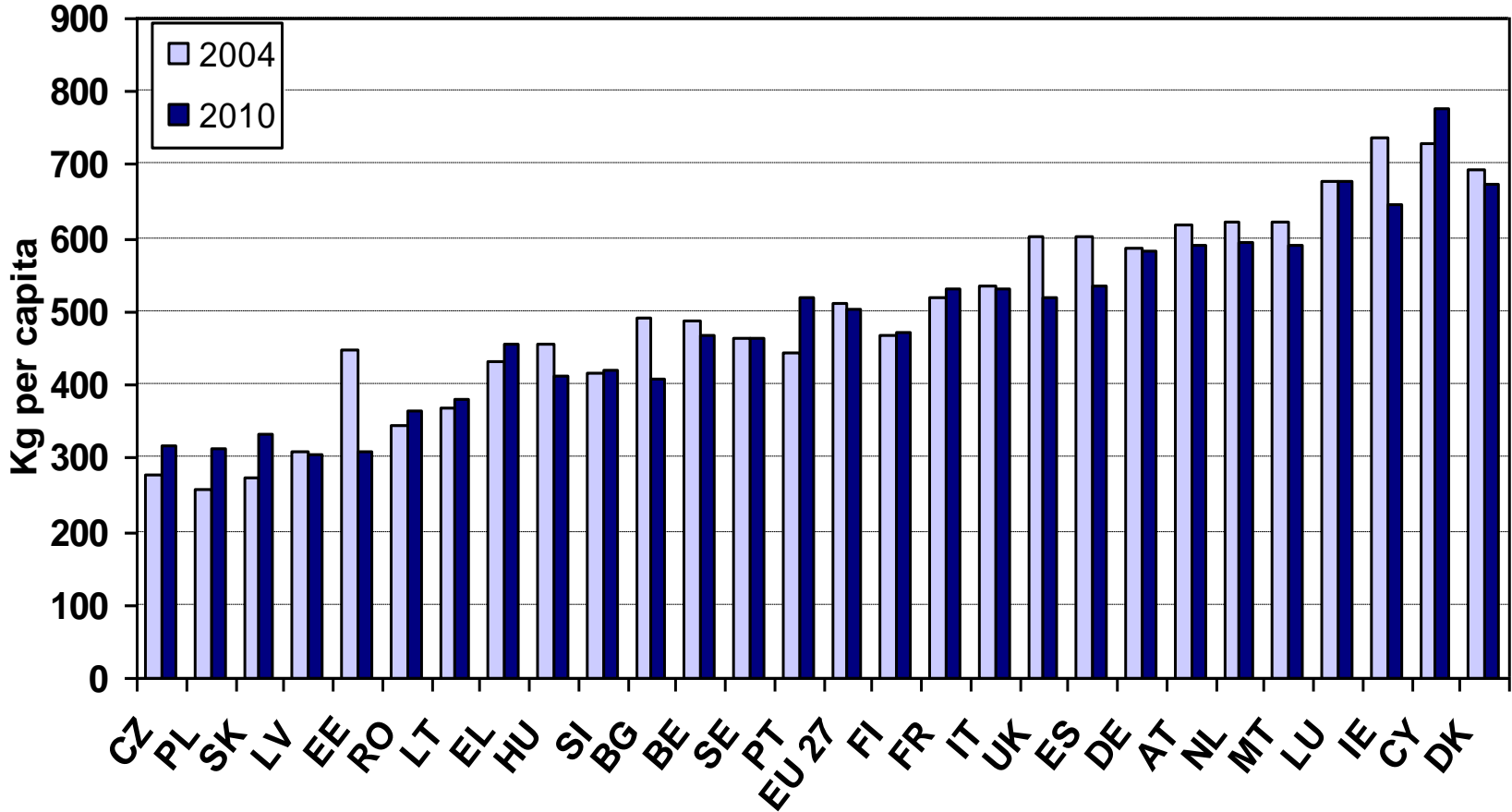
## **Use of instruments**

- Landfill/incineration taxes/bans
- Producer Responsibility
- Pay as you throw schemes

# Prevention

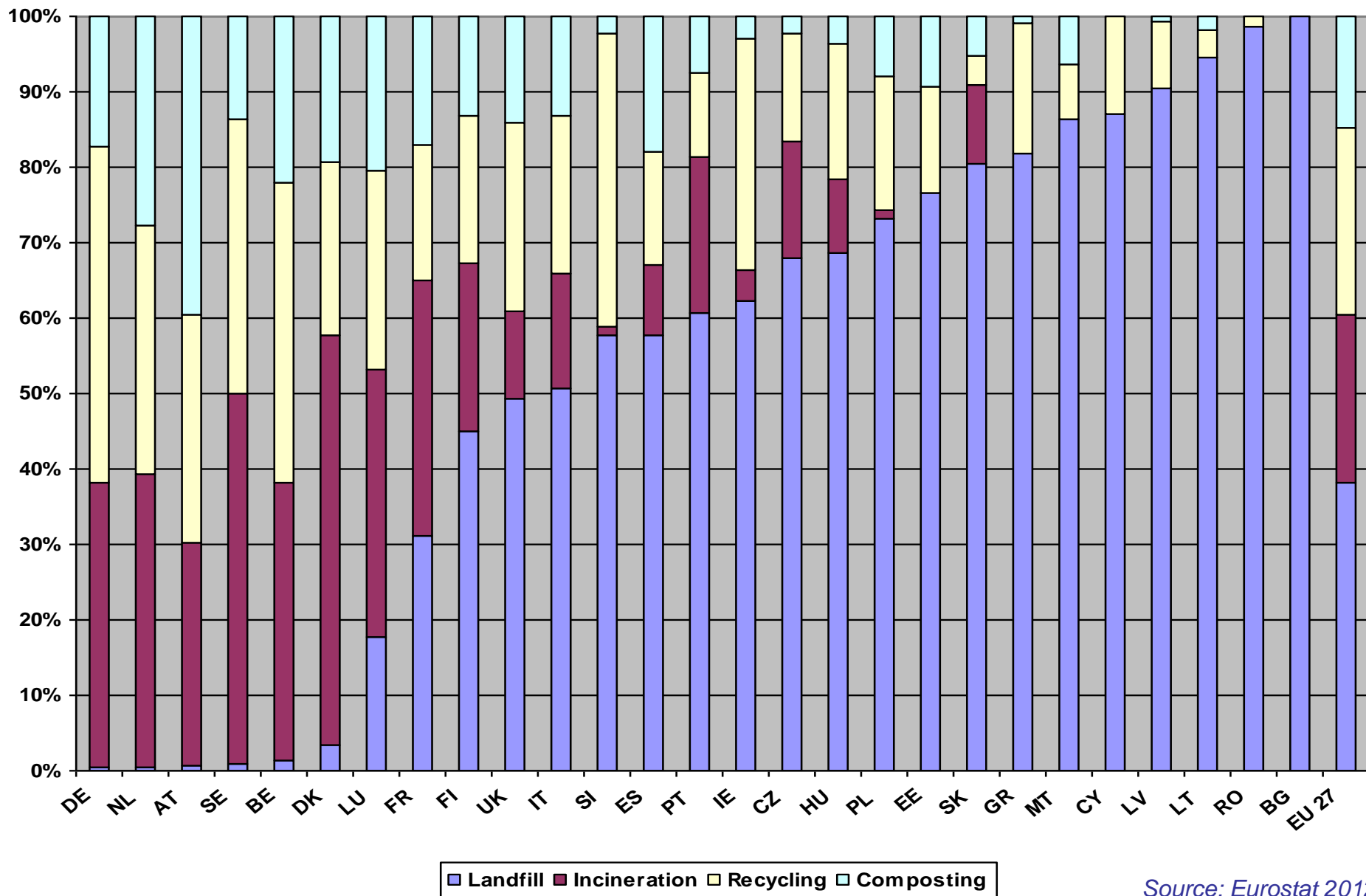


# Municipal waste generation

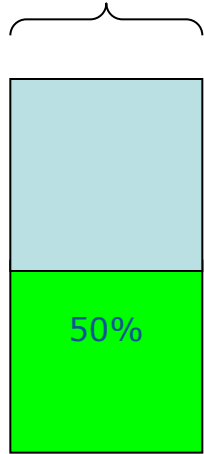




# Municipal waste Treatment (2010)

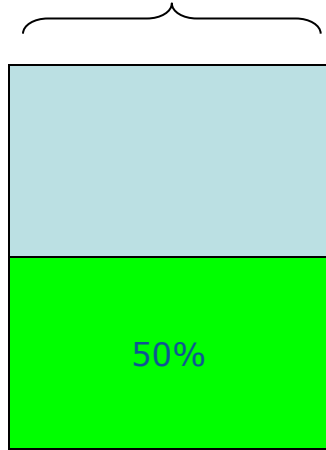


**minimum  
of overall**



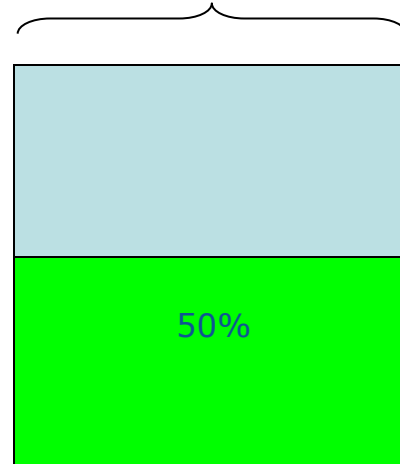
**paper,  
glass,  
metal,  
plastic**

**minimum  
of overall**



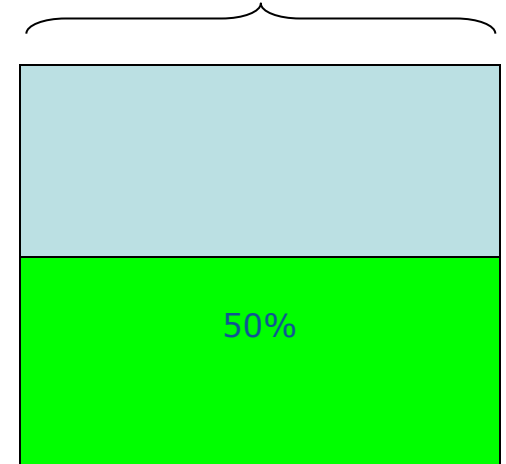
**paper, glass, metal, plastic  
+  
other household  
or similar  
waste  
streams**

**minimum  
of overall**



**all household  
waste**

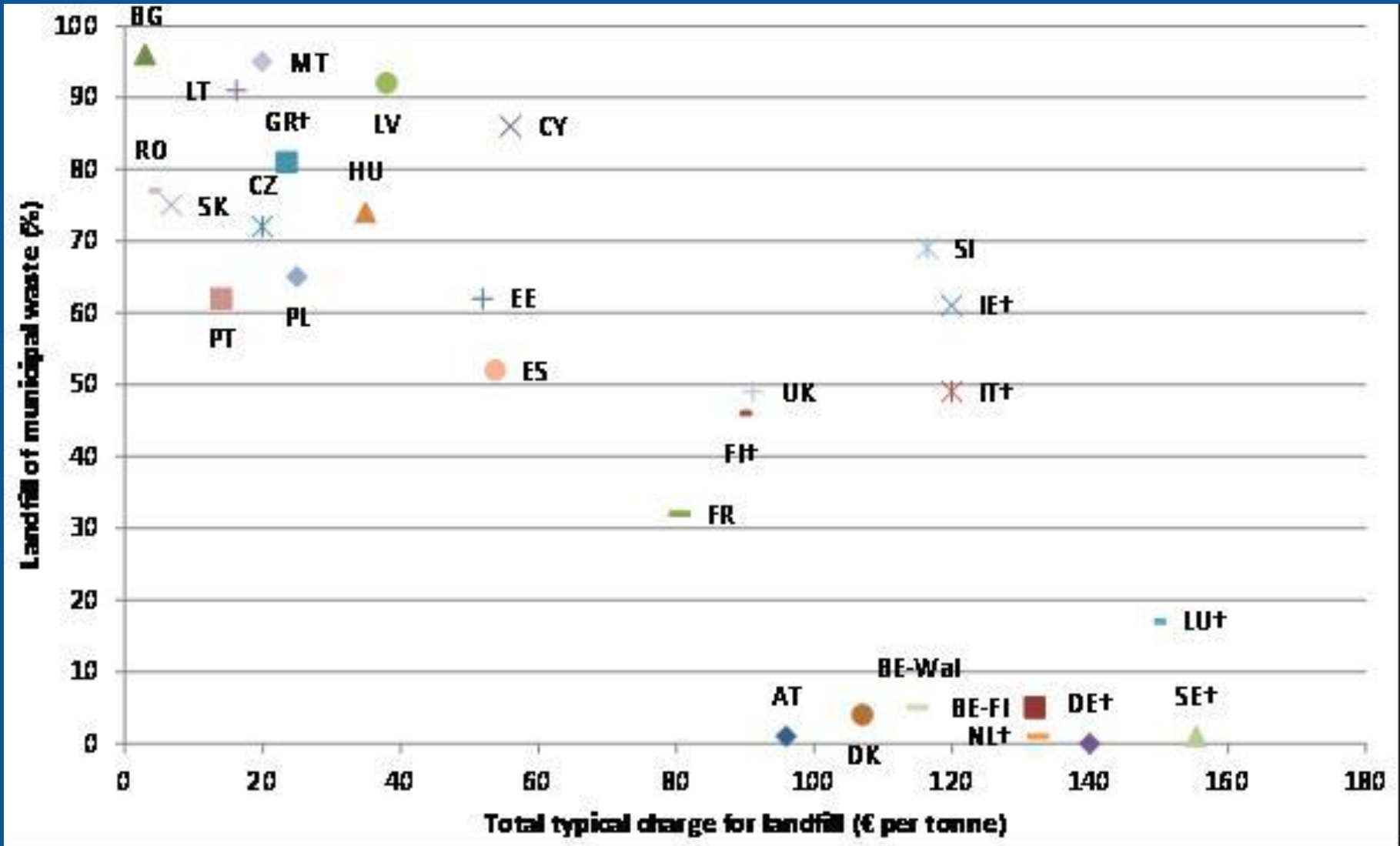
**minimum  
of overall**



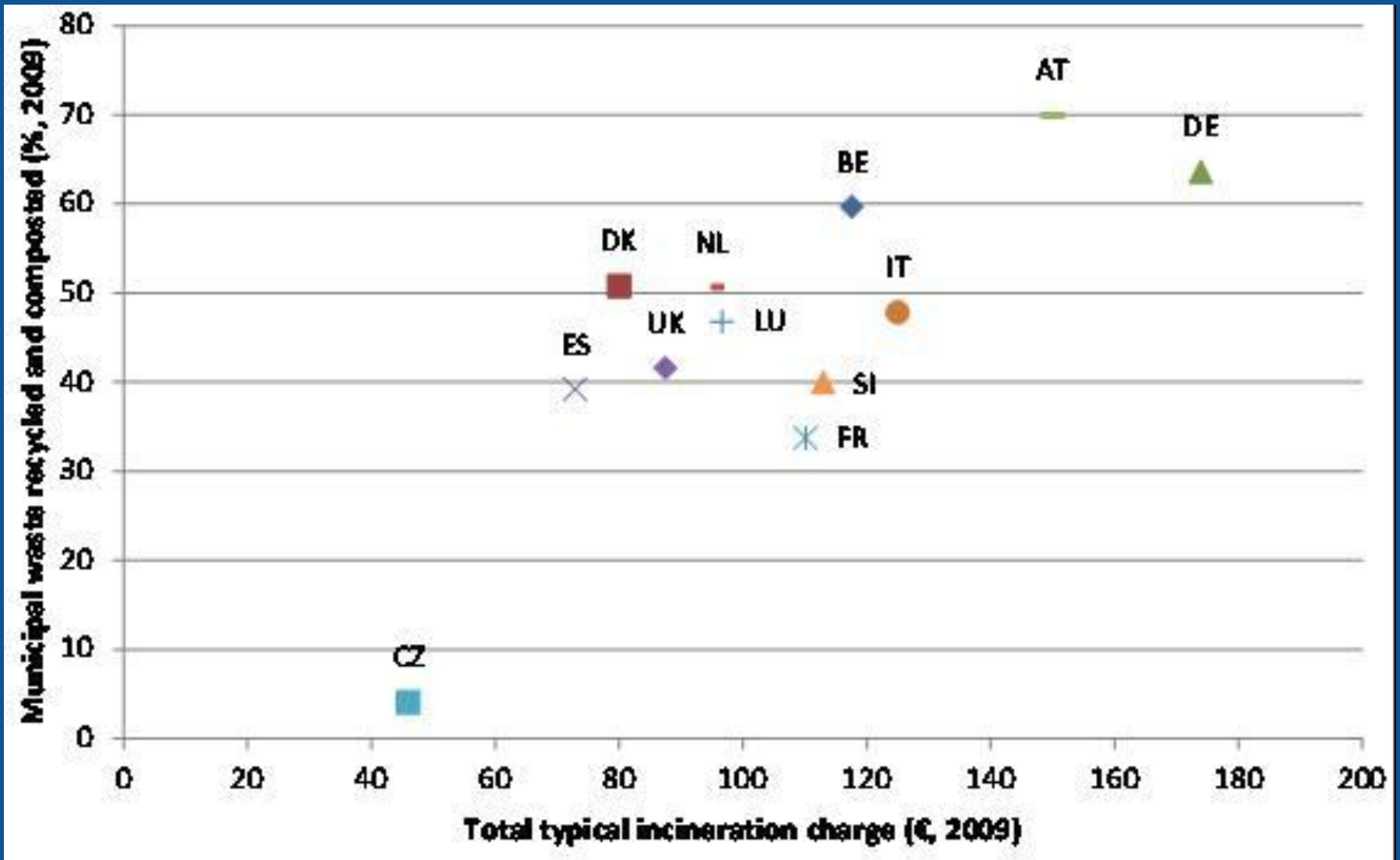
**All waste from  
households +  
all similar waste  
streams =  
all municipal waste**

MS options to calculate the 50% target

# Landfill cost vs Landfill rates



# Incineration taxes/fees vs Recycling



# Extended Producer Responsibility (EPR)

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1. EPR schemes have allowed to fund required operations to meet high recycling/recovery targets;
2. Large differences between MS in terms of:
  - Waste streams covered;
  - Cost efficiency of the systems;
  - Control of the systems;
  - Role of municipalities/producers
3. Additional study launched by the Commission – expected output: guidance and/or best practices



# Next Steps - Conclusions

## Next steps (2013-2014)

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- New rules on the use of structural funds
- Assessment National Waste Management plans – Modelling
- Seminars in 10 MS – concluding meeting in March 2013
- Producer Responsibility – analysis and possibly guidance
- Proposals for eco-design measures
- Proposal for new recycling and landfill diversion targets (2014)

# Thank you for your attention !

DG ENV "waste" website: <http://ec.europa.eu/environment/waste/index.htm>

Resource Efficiency: [http://ec.europa.eu/resource-efficient-europe/index\\_en.htm](http://ec.europa.eu/resource-efficient-europe/index_en.htm)

Study on Economic Instruments: <http://ec.europa.eu/environment/waste/use.htm>

Eurostat Databases: <http://epp.eurostat.ec.europa.eu/portal/page/portal/waste/introduction>

Screening report: [http://ec.europa.eu/environment/waste/studies/pdf/Screening\\_report.pdf](http://ec.europa.eu/environment/waste/studies/pdf/Screening_report.pdf)

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