

EUROPEAN WASTE AND RESOURCE DAYS

Brussels 8/11/2012



How to set quantified objectives to
boost recycling?

Why do we need quantified objectives?



Enabling visibility
=> legal drivers



Monitoring
=> evaluation



Comparing
=> mutual learning

Improving
=> Create dynamics



« what is not measured is not adressed » e.g: externalities
« indicators dictate behaviors » e.g: biofuels vs biomass recycling
« I don't trust statistics I haven't cheated myself »

e.g: report by MS



Creating legal drivers



P&PW Directive:
How come
the weaker recycling rate for plastics?

EU	Overall	Glass	P&C	Metal	Plastic	Wood
Objectives	60%	60%	60%	50%	22,5%	15%
Achieved 2010 (Eurostat)	63,5%	69,2%	83,5%	71,5%	33,3%	38,1%

What about biodegradable waste? What about tyres?

Enabling a fair balance

Today's unbalanced situation:

Renewable energy
binding targets ,
incl incineration
(20% by 2020)
& biofuels
(10...or 5% by
2020)



Waste **binding**
hierarchy, no
targets for
bio/organic waste

If you were a MS representative where would you focus?

Where to focus first to boost recycling?



Biowaste :

Implementation and review
of Framework Directive,
36 then 50% recycling?

Packaging :

Revision of Directive/Essential requirements
Plastic to 70% (with transversal target),
Glass, Metal, Paper to 80%?

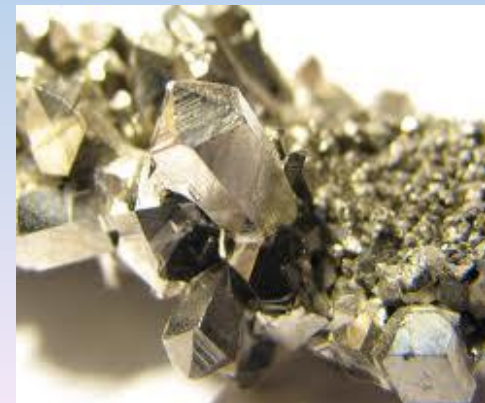


Batteries:

Revision of Directive/new restrictions
Collection 75% - arising base
& 75% Recycling efficiency?

Critical metals:

Ecodesign and industrial policy
Information on contents & localisation
Transversal target?

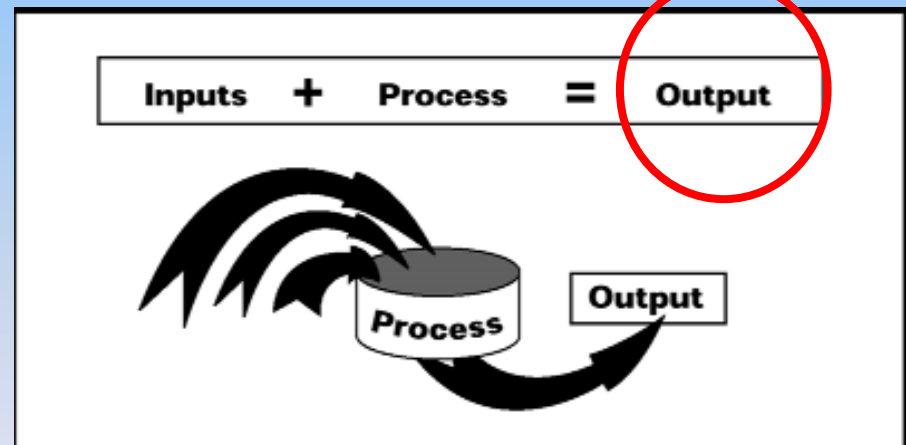


Need for recycling quality requirements...

Quality can be quantified!



Standards & BAT's



Output base

...and calculation harmonisation

Calculation method

Calculation method 1

Recycling rate of paper, metal, plastic and glass household waste, in % =

$$\frac{\text{Recycled amount of paper, metal, plastic and glass household waste}}{\text{Total generated amount of paper, metal, plastic and glass household waste}}$$

Calculation method 2

Recycling rate of household and similar waste, in % =

$$\frac{\text{Recycled amount of paper, metal, plastic, glass waste and other single waste streams from households or similar waste stream}}{\text{Total generated amount of paper, metal, plastic, glass waste and other single waste streams from households or similar waste}}$$

Calculation method 3

Recycling rate of household waste in % =

$$\frac{\text{Recycled amount of household waste}}{\text{Total household waste amounts excluding certain waste categories}}$$

Calculation method 4

Recycling of municipal waste, in % =

$$\frac{\text{Municipal waste recycled}}{\text{Municipal waste generated}}$$

***4 methodologies
to calculate
the 50% recycling rate
of municipal waste***

Devil is in the details



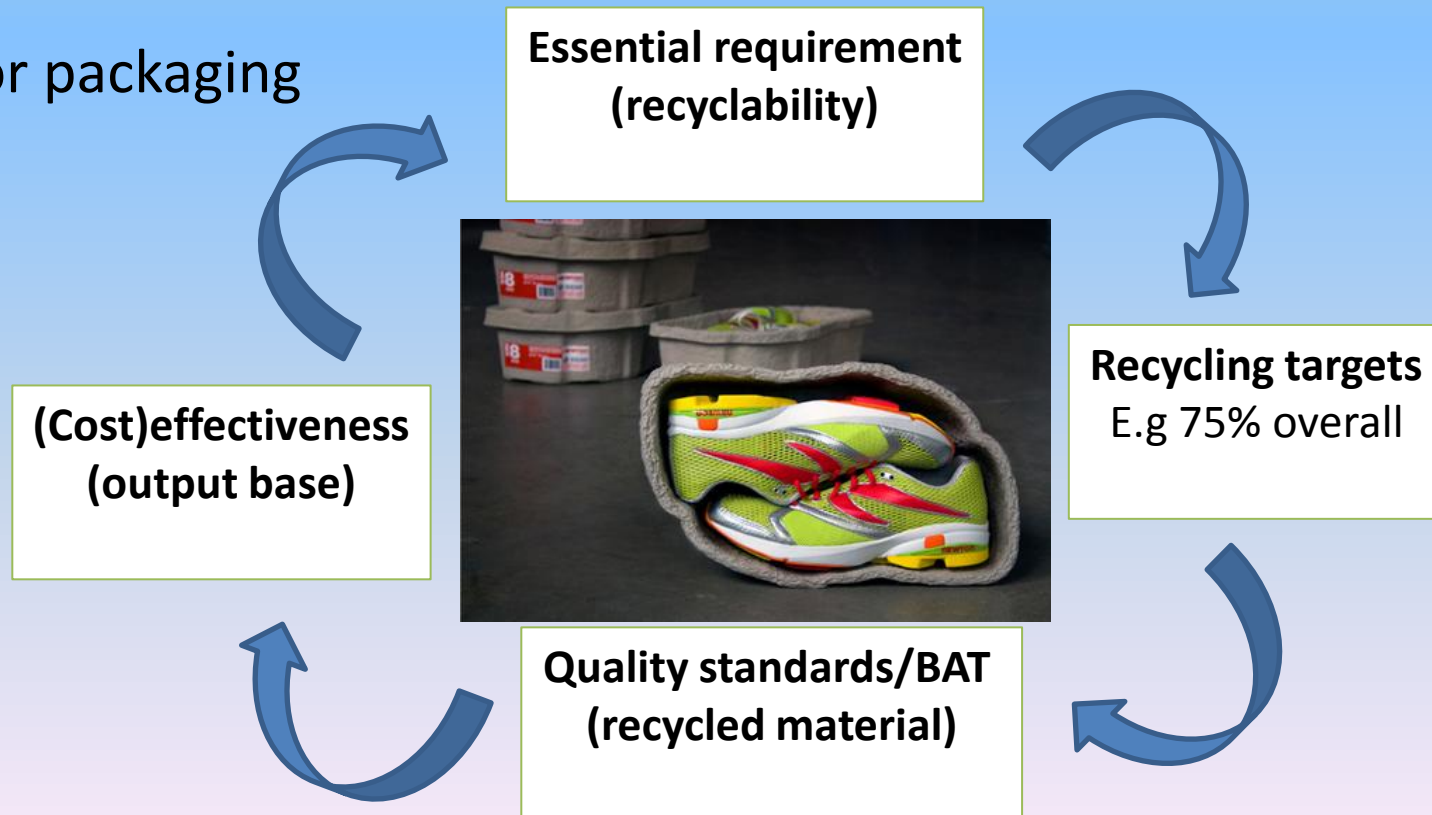
How to set objectives targeting the right problem
while not excluding/imposing a technology?
E.g: the diversion of landfill Directive / organic waste recycling

Combining various forms of quantified objectives

- Recycling & timelines targets
- Requirements for products (ecodesign)
- Standards & BAT
- (Cost)effectiveness of processes

How to articulate them?

E.g: for packaging



Alternatives to quantified objectives



Binding measures

e.g mandatory separate collection,
e.g retailers collection points



Raising the cost of unsustainable solutions

e.g raising costs of placing on the market
of disposable/hazardous items
e.g raising the costs of solutions lower in
the hierachy

=> Need to combine further!



Thanks for attention

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