



An EU funded project

# Sources and levels of funding for the implementation

**2<sup>nd</sup> Workshop**  
**Aspects for WM Plan on Construction & Demolition Waste**  
**17<sup>th</sup> of June 2016**

## Why at all?

- Costs of environmentally sound disposal/recovery are a high incentive for illegal disposal
- Overall costs (including socio-economic costs) of illegal or unsound disposal are much higher
- Without recycling a sustainable production/consumption is not feasible

## However

- Tension between business and economic interests
- Political decision necessary

This needs

- I. Public awareness
- II. Broad consensus

# Approach

## Extended producer responsibility (EPR)

- Internalisation of disposal costs
- Reducing illegal/not environmentally sound disposal
- Promoting sustainable production and consumption (including eco-design)

Different approaches:

### a) Pre-paid fee

Problems in phasing-in: legacy burden

Problems in operation: "Gray imports"

"Free riders"

Advantage: no incentive for illegal/unsound disposal by the consumer

# Approach

Different approaches:

## b) Disposal fee (post-paid)

Advantage in phasing-in: no legacy burden

Problems in operation: incentive for illegal disposal/export

No EPR but “consumer responsibility”

Existing EPR systems (EU and Serbia):

Packaging Material:

- Law on Packaging and Packaging Waste (Official Gazette of RS, no. 36/09)
- Council Directive 94/62/EC on packaging and packaging waste

# Approach

Existing EPR systems (EU):

Electrical and electronic equipment:

- Directive 2012/19/EU on Waste Electrical and Electronic Equipment

Batteries:

- Directive 2006/66/EU on Batteries and Accumulators

End of Life vehicles:

- Directive 2000/53/EC on end-of life vehicles

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Pre-paid system in Serbia:

- Decree on products that become special waste streams upon use thereof  
"Official Gazette of the Republic of Serbia", No. 54/2010

Covering: tyres, asbestos containing products, batteries, mineral oil, electrical and electronic equipment

# Approach

## **Pre-paid fee on construction material**

Possible amendment of the Regulation on products that become special waste streams to cover (specific) construction material

Advantage

- No new system
- Can be used as pulling force for recycling (no or lower fee for recovered material)

However

- Option (lower/no fee on recovered material) requires clear legal frame work to avoid a negative environmental impact by using unsuitable wastes for recycling.

# Approach

## Disposal fee (landfill tax) EU (and others):

	Soil, sand	Construction/ inert	Residues from pre-treatment and recycling	Residues from incineration	Hazardous waste	Combustible/ biodegradable	Main Exceptions
<b>Austria</b>	Green	Green	Green	White	Green	Red	Mining waste
<b>Flanders (Belgium)</b>	Green	Green	Green	Green	Green	Red	Residues from recycled glass production, asbestos
<b>Wallonia (Belgium)</b>	Green	Striped	Green	Green	Striped	Red	Dredging waste, water-treatment waste and waste from soil remediation operations
<b>Bulgaria</b>	Green	Green	Green	Green	White	Green	Hazardous waste
<b>Czech Republic</b>	Green	Green	Green	Green	Green	Green	Asbestos is charged only as municipal waste and do not pay the special risk charge
<b>Denmark</b>	Green	Green	Green	Green	Green	Red	
<b>Estonia</b>	Green	Green	Green	Green	Green	Green	Oil-shale ash/semicoke/ enrichment residues
<b>Taxed</b>	<b>Not taxed</b>		<b>Banned to landfill</b>		<b>Partly banned to landfill</b>		

# Approach

## Disposal fee (landfill tax) EU:

	Soil, sand	Construction/ inert	Residues from pre-treatment and recycling	Residues from incineration	Hazardous waste	Combustible/ biodegradable	Main Exceptions
<b>Finland</b>							Contaminated soil, sludge from de-inking of waste paper, flyash from power plants,
<b>France</b>							
<b>Ireland</b>							Stabilised waste from composting, waste from street cleaning, dredging, non-metal residues from shredding of ELV, WEEE
<b>Italy</b>							
<b>Latvia</b>							
<b>Netherlands</b>							Disposal of dredgings
<b>Norway</b>							Inorganic waste with less than 5 % TOC
<b>Poland</b>							
<b>Portugal</b>							Wastes from forestry
<b>Slovenia</b>							
<b>Taxed</b>							
<b>Not taxed</b>							
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# Approach

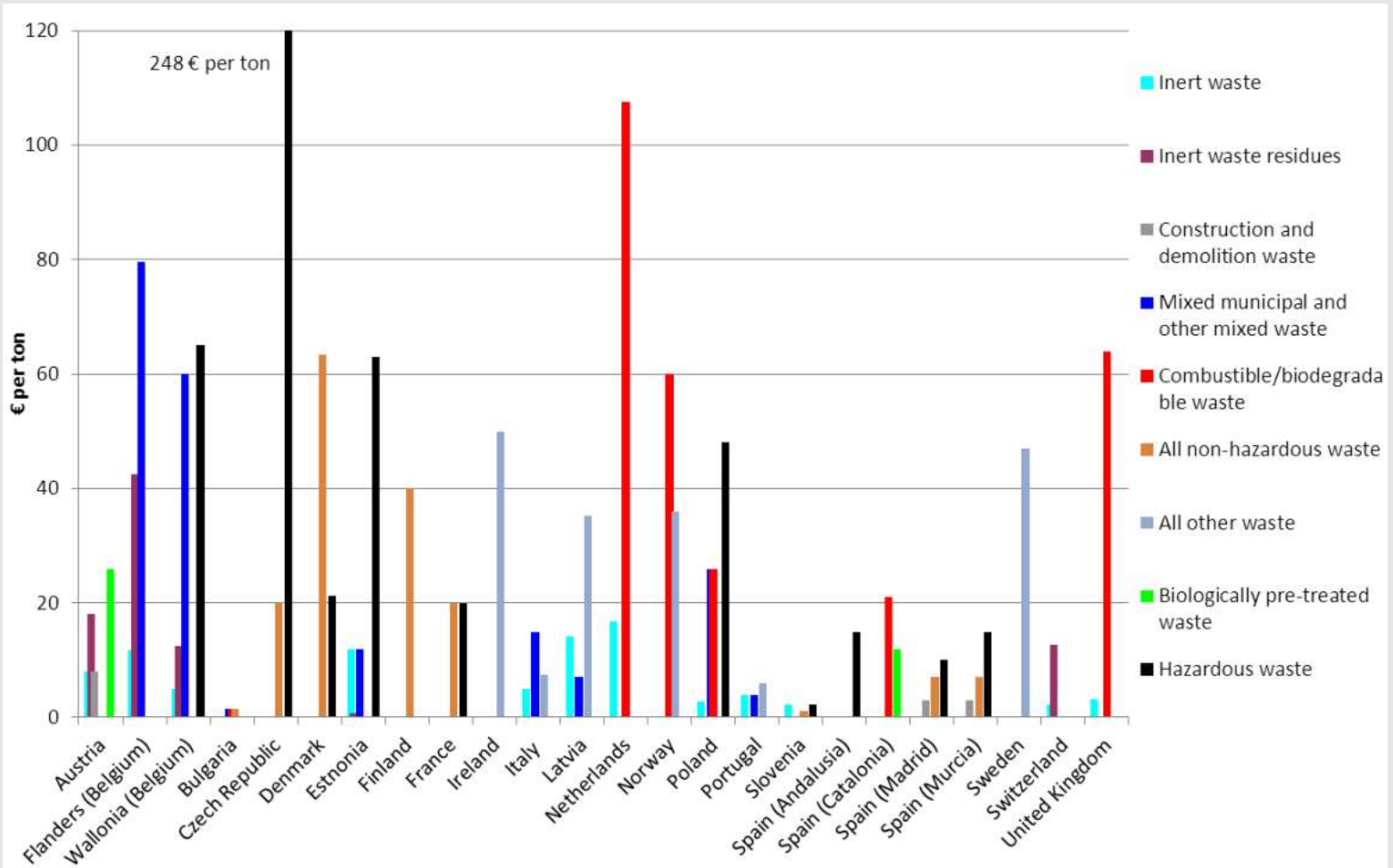
## Disposal fee (landfill tax) EU:

	Soil, sand	Construction/ inert	Residues from pre-treatment and recycling	Residues from incineration	Hazardous waste	Combustible/ biodegradable	Main Exceptions
Spain (Andalusia)							Covers only industrial hazardous waste not municipal waste
Spain (Catalonia)							Includes only municipal waste
Spain (Madrid)							Municipal waste is excepted
Spain (Murcia)							Municipal waste is excepted
Sweden							Waste from mining industry, waste water sludge, contaminated soil
Switzerland							
United Kingdom							Dredging from inland waters and harbours, mining and quarrying
<b>Taxed</b>	<b>Not taxed</b>		<b>Banned to landfill</b>		<b>Partly banned to landfill</b>		

**19 MS (+ Switzerland) have implemented a landfill tax.**

# Approach

## Disposal fee (landfill tax) EU:



# Specific problem with C&D waste

## Pre-paid approach problematic, because

- Live span of the construction (50 years – 100 years) – acceptance problems
- Legacy problem (Asbestos, PCBs, POPs)

Pre-paid fee might have

- Negative influence on economy (construction industry as key economic driver)

# Landfill tax

## Advantage

- No legacy problem
- Can be used as driving force for up-grading existing landfills (lower tax for landfill in compliance with new regulation, higher tax for old dump-sites)
- Driving force for C&D waste recycling (recovery cheaper than disposal)
- Difficult to “avoid” if the operator is responsible for paying the tax (amount of waste deposited of can be calculated easily by land surveyors)

# Landfill tax

## Possible problems

- Incentive for illegal dumping (strict control needed)
- Compliance (especially if the tax is waste depending)
- Acceptance by public (“no new taxes”) and operators

However a landfill tax based on the quality of the landfill site will

- Promote up-grading and thus save costs for later clean-up procedures
- Give an incentive for recycling
- Can raise funds for setting up recycling schemes

# Thank you!

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