



# ACR+ 2011 Annual General Meeting and International Conference

## European status regarding waste prevention and future guidelines

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**1 European legal framework and current implementation at the national level**

**2 Current methodological developments**

**3 Future guidelines**






## **Article 29 of the WFD : National Waste Prevention Programmes**

- To be established by 12 December 2013
- Have to be revised at least every six years
- Have to set out waste prevention objectives
- Member States shall monitor and assess the progress of the measures. To this end, they may determine specific qualitative or quantitative targets and indicators




## **Implementation at national level**

- All existing national waste management plans include provisions on waste prevention
  
- Wide range in the level of detail: from prioritisation of waste prevention to action plans
  
- Main targets area are MSW, hazardous waste and industrial waste

**Implementation at national level: examples of targets**

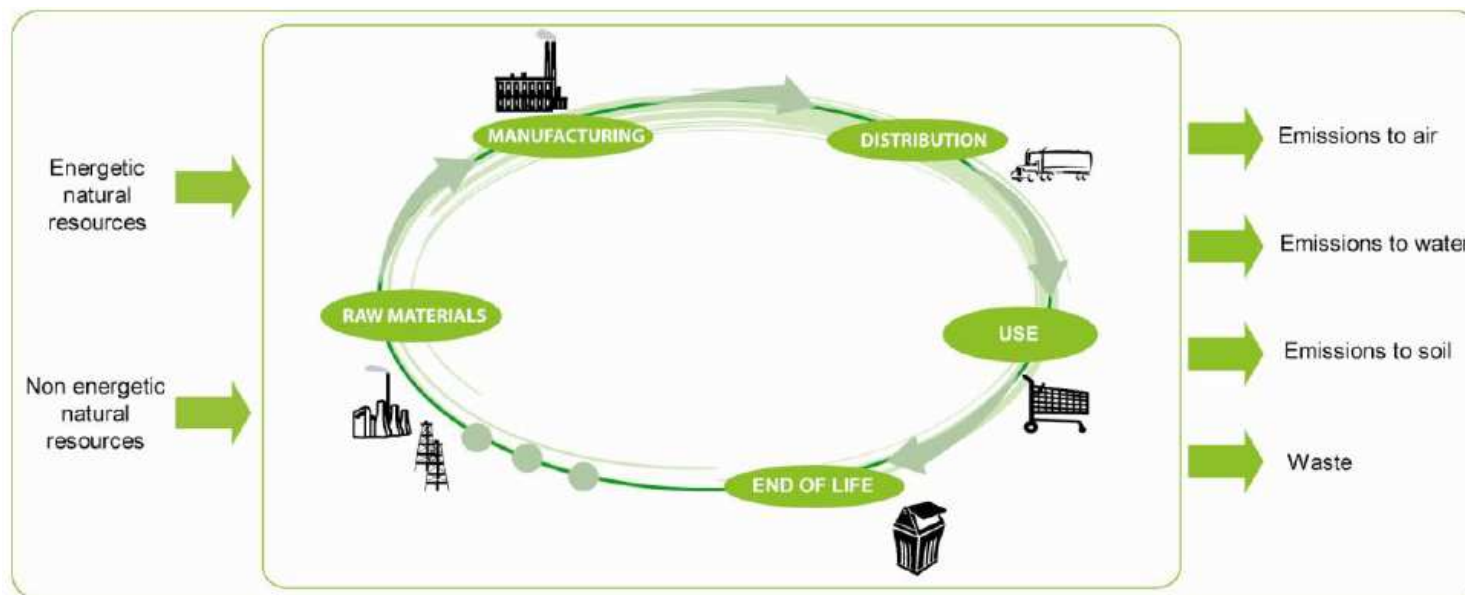
Country/region	Target
<b>Flanders</b> 	<b>MSW : 560 kg/capita/year</b>
<b>Bulgaria</b> 	<b>MSW: 400 kg/capita/year</b> <b>Industrial waste</b> quantity per unit gross domestic product (GDP) <b>stabilised</b> (2001 basis) <b>Hazardous waste</b> generation is <b>reduced</b> (2001 basis)
<b>France</b> 	<b>7% reduction of household waste</b> within 5 years
<b>Hungary</b> 	<b>The total mass of waste generated shall not exceed the 2000 level.</b> <b>Waste generation per unit of GDP shall be decreased.</b>
<b>Netherlands</b> 	<b>Total waste generation are 68 million tonnes in 2015 and 73 million tonnes in 2021.</b>

**Implementation at national level: examples of targets**

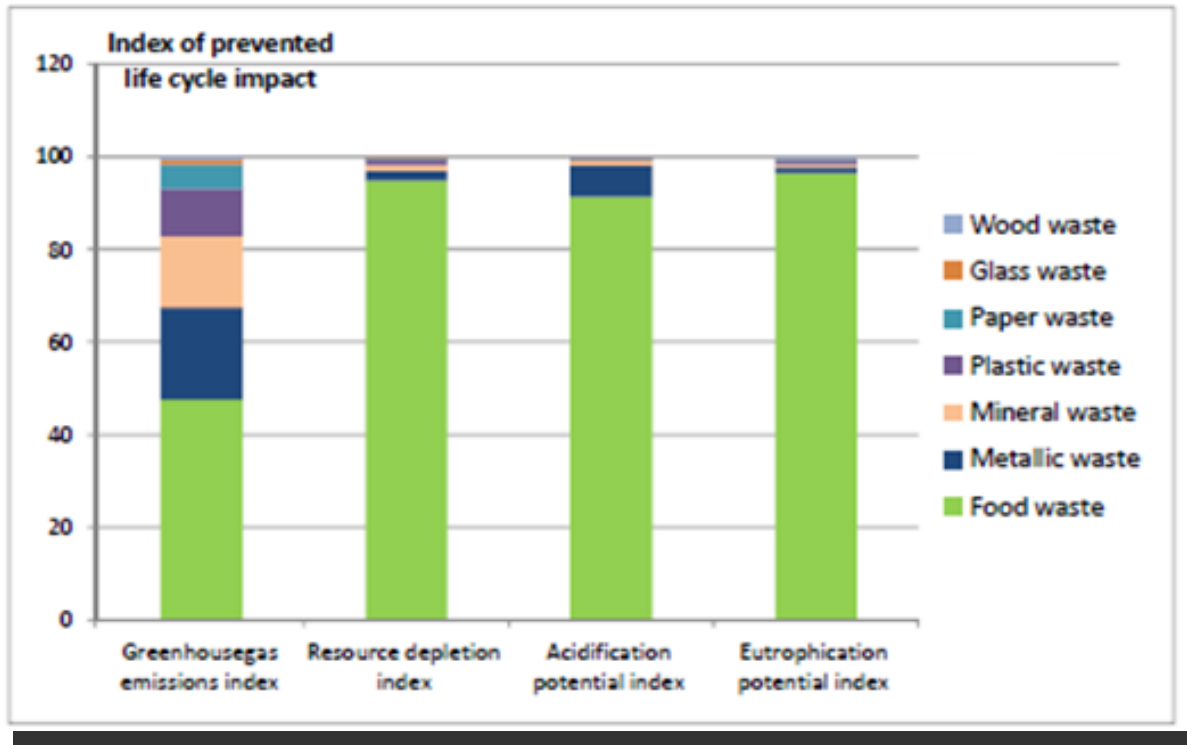
Country/region		Target
Portugal		<b>10 % reduction of per capita MSW (423 kg/capita in 2016). 12.1% reduction of industrial waste generation</b>
Spain		Residual waste produced: <b>2008 = 524 kg/capita, 2010 = 472 kg/capita, 2015 = 419 kg/capita</b> <b>Hazardous waste: -8% by 2011 and -15% by 2015</b> <b>Industrial waste: -7% by 2012 and -10% by 2015</b>
Wales		<b>27% reduction in total waste generation by 2025 and 64.5% by 2050</b> <b>Household waste - annual waste prevention target of 1.2% each year</b> Between 1.2% and 1.4% annual reduction for commercial, industrial and C&D waste

### Waste prevention and life-cycle thinking

- The main objective of EU waste legislation is to decouple the environmental impacts of waste from economic growth
- Article 2 of the WFD « Waste hierarchy » requires Member States to encourage the options that « deliver the best overall environmental outcome »
  - Life-cycle thinking is put forward by the Thematic Strategy on the Prevention and Recycling of waste



### Example of the results of life-cycle assessment of the prevention of certain waste categories



Total indexed life cycle impacts of waste prevention - *Evolution of (bio) waste generation/prevention and (bio) waste prevention indicators, Final report to the EC, 2011 - BIO in collaboration with UBA, Arcadis, AEA and Vito*

□ Towards a prioritisation of waste streams, with a focus on food waste prevention (key sector in the Roadmap to a Resource Efficient Europe, September 2011)



## **Development of waste prevention and decoupling targets (article 9 of the WFD)**

### **Potential indicators (recommandations from the 2011 study on waste prevention indicators):**

- Decoupling of waste generation from private consumption expenditure
- Pure quantitative waste generation statistics
- Output assessment
- Resource productivity
- Resource loss on bio-products
- Hazardous substances indicator
- Packaging waste minimisation

 **To ensure good quality indicators, improvement of statistics is recommended (e.g. data on the composition of mixed municipal waste, data on bio-waste and food waste in line with the definition of the WFD)**

### The Waste Prevention Guidelines

- ❑ **Article 29(5) of the WFD:** The Commission shall create a system for sharing information on best practice regarding waste prevention and shall develop guidelines in order to assist the Member States in the preparation of the Programmes.
  
- ❑ Waste Prevention Guidelines, first issued in 2009, and currently being updated (<http://ec.europa.eu/environment/waste/prevention/guidelines.htm>)



The screenshot shows the 'Waste Prevention Guidelines' page on the European Commission Environment website. The page features a blue header with the European Commission logo and the text 'European Commission Environment'. Below the header is a navigation menu with links for Home, Who's who, Policies, Integration, Funding, Law, Resources, and News & Developments. The main content area is divided into two columns. The left column contains a list of links: Homepage, Legislation, Waste Prevention Guidelines, Reports, and Best Practices. The right column contains the title 'Waste Prevention Guidelines', an 'Introduction' section, and a list of bullet points: Selection of Best Practices in Waste Prevention, Preparation of Waste Prevention Guidelines, and Development of Waste Prevention Indicators. Below the bullet points, there is a paragraph of text stating that the study was launched on January 21st, 2009, and was completed in November 2009. The final report is currently reviewed by the Technical Adaptation Committee's national waste experts and Commission services with a view to its publication.

## The Food Waste Prevention Guidelines

Complementary to the general guidelines, the food waste prevention guidelines were issued in 2011

- Focus on **food waste** (priority area)
- Identify **behaviour change** as a key vehicle for food waste prevention
- Proposes a **sector-based approach** (food manufacturing, distribution&retail, food services, businesses, institutions and households as food consumers)
- Compiles a set of **good practices**, by targeted sector
- Currently available on the Sustainable Management of Resources framework contract website (<http://biowaste-prevention.eu-smr.eu/>)

 **Studies launched under the Sustainable Management of Resources framework contract : <http://www.eu-smr.eu/>**

2011

- Evolution of (bio-)waste generation/prevention and (bio-)waste prevention indicators
- Assessment of resource efficiency in the food cycle (*ongoing*)
- Implementing EU waste legislation for green growth (*ongoing*)
- Indicators and targets for resource use and efficiency (*ongoing*)
- Etc.

2010

- Management of C&D waste in the EU
- Food waste across the EU
- Preparatory study for the review of the Thematic Strategy on the Sustainable use of Natural Resources
- Preparatory study for the review of the Thematic Strategy on the Prevention and Recycling of Waste
- Analysis of the evolution of waste reduction and the scope of waste prevention
- Analysis of the Key Contributions to Resource Efficiency
- Etc.



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**Thank you for your attention**

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