



# Go green with **Best Environmental Management Practices**

The **EMAS Sectoral Reference Documents** for the Waste Management Sector

Presentation at the Conference

Separate Waste Collection in the Context of a Circular Economy in Europe

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# GO GREEN WITH BEST ENVIRONMENTAL MANAGEMENT PRACTICES!

#### **Content of this presentation**

What is EMAS?

The EMAS Sectoral Reference Documents and the Best Environmental Management Practices

The Best Environmental Management Practices for the Waste Management Sector

Two examples







**EMAS** Performance, Credibility, Transparency

#### What is EMAS?

An Environmental Management System?

An EU Regulation?

An environmental performance reporting tool?







**EMAS** Performance, Credibility, Transparency

#### What is EMAS?

**EU Eco-Management and Audit Scheme** 



An Environmental Management System?



An EU Regulation?



An environmental performance reporting tool?





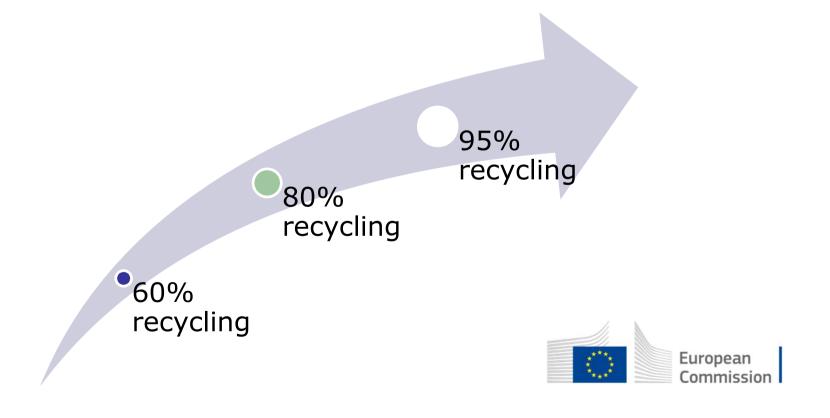
#### **EMAS** is a commitment to...





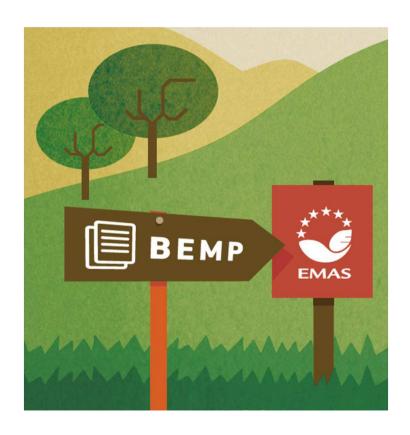


#### ... in environmental performance





#### Continuous improvement seems challenging?



Best
Environmental
Management
Practices
can help



# GO GREEN WITH BEST ENVIRONMENTAL MANAGEMENT PRACTICES!



Best practices to reduce environmental impacts

Already in Use by Best Environmental Performers



Practical Guidance



Environmental Performance Indicators



Benchmarks of Excellence

A sectoral approach





# The 'frontrunners approach'







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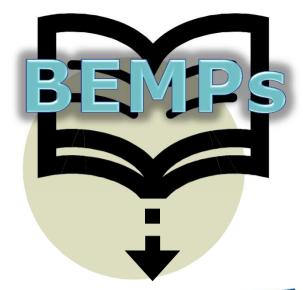




# The 'frontrunners approach'









Best practice guidance documents publicly available on-line

Detailed information on how to implement the best practices

Adopted by the European Commission as EMAS Sectoral Reference Documents

Concise description of all the best practices

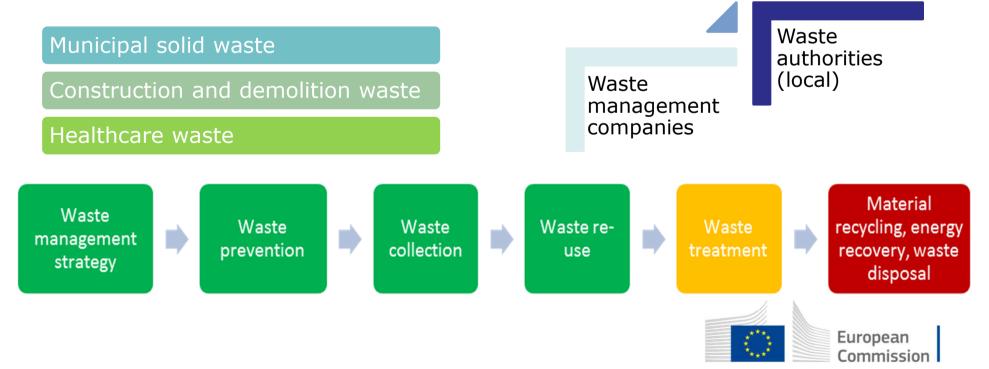
Available in all EU languages





#### **BEMPs for the Waste Management Sector**

The scope





#### Few examples of BEMPs for municipal solid waste



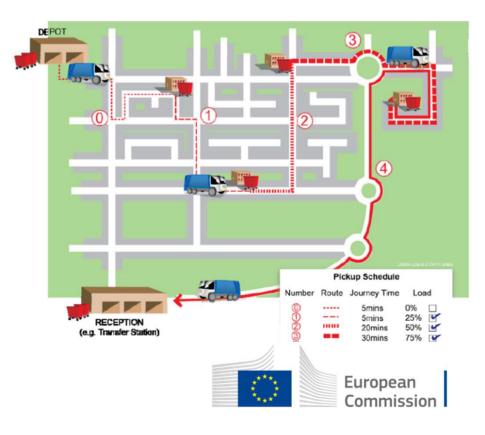
- Waste monitoring
- Pay-As-You-Throw
- Awareness raising
- Local waste prevention programmes
- Logistics optimisation for waste collection
- Intermunicipal cooperation
- Re-use schemes
- Decentr alised compost ing





#### Logistics optimisation for waste collection

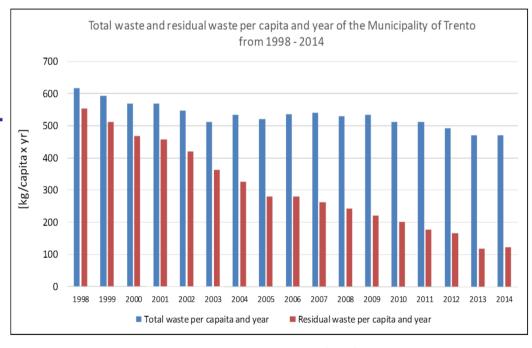
- Logistics operations are optimised using
   Computerised Vehicle Routing and
   Scheduling (CVRS) technology.
- Environmental metrics are integrated into optimisation.
- Performance is benchmarked using
   appropriate efficiency indicators, e.g.
   cumulative energy demand and CO<sub>2</sub>e.
- Telematics equipment installed in collection vehicles, and drivers trained in eco-driving techniques.





#### Pay-as-you-throw

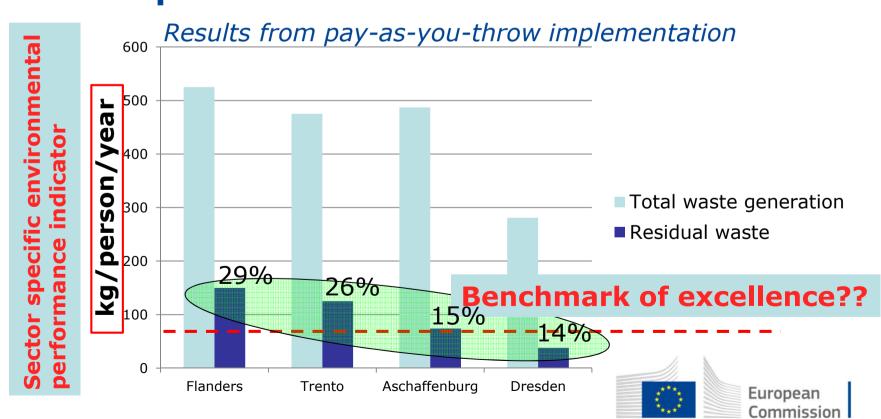
- Introduce a system where
   citizens pay per weight or per
   bag of residual waste generated.
- Ensure that infrastructure to collect and to process the recyclables is available and efficient.
- Organic waste and bulky waste are also weighted.







#### From best practices to indicators and benchmarks



#### BEMPs for 11 sectors

The European Commission cooperates with experts and stakeholders from different sectors to identify BEMPs.

As a result of this cooperation, Sectoral Reference Documents for 11 sectors are currently under development.

. . . **Public Telecommunications** Construction Food and Beverage Car Manufacturing Manufacturing Tourism Electrical Retail and Electronic Trade Equipment Manufacturing Waste Products Management

# WORKING GROUPS

JRC & DG Environment in close cooperation with

Research centres and universities

Industry

Companies

EMAS verifiers

Member States

**EMAS** organisation

Environmental NGOs

Technology providers





#### A development process based on stakeholder involvement

#### Three phases:

- Desk research (background collection of information from literature, frontrunner organisations and experts)
- Information exchange within the forum of a Technical Working Group comprising sector experts to identify and validate the best practices identified, the indicators and the benchmark of excellence
- Legislative process (member state representatives in the EMAS Committee)



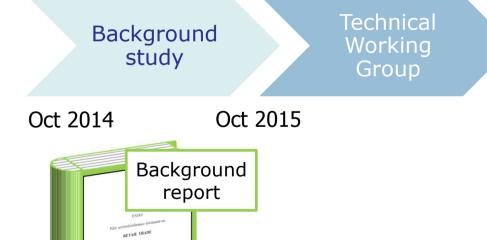


#### **BEMPs for the Waste Management Sector**

The timeline

Final 'best

practice





**EMAS** 

Sectoral

Reference



# What's in it for you?

- Proven and reliable information on relevant best practices
- Set of environmental performance indicators
- Possibility to benchmark your performance against frontrunners to identify improvement potentials





#### What's in it for you?

- Information is freely available.
- Costs related to implementation of best practices are duly described to allow investment decisions.
- Information on reference organisations to obtain further information

European Commission



#### So... if you are looking for guidance on...

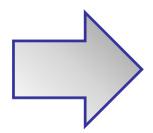
where to start?

can we still do better?

is this relevant for us?

are others doing better?

how to measure that? we do about this aspect? Keep up with the development of BEMPs at: <a href="http://europa.eu/!xW93Nv">http://europa.eu/!xW93Nv</a>

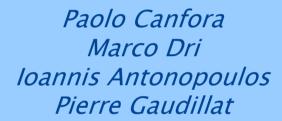






# Thank you!





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