



EMAS Best Environmental Management Practises in the Car Manufacturing and ELV sector

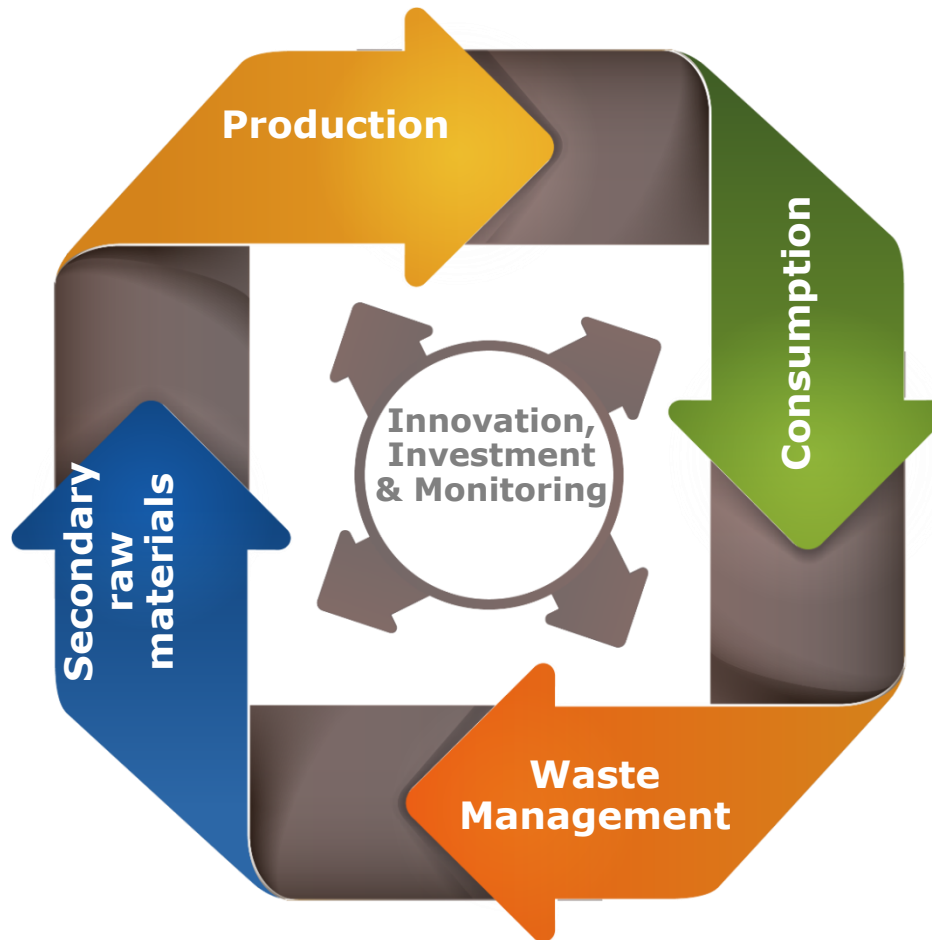
16/11/2017
Susanne Heutling
DG ENV B.1



Circular Economy: a priority



Key action areas in Circular Economy



Production

Objectives

- *provide incentives to boost circular product design*
- *innovative and efficient production processes*

Key actions

- *reparability, durability, and recyclability in eco-design*
- *best practices for waste management and resource efficiency in industrial sectors*
- *industrial symbiosis*

Consumption

Objectives

- *repair and reuse of products to avoid waste generation*
- *provide consumers with reliable information on environmental impact of products*

Key actions

- *encourage reuse activities*
- *ecodesign: availability of spare parts*
- *guarantees and action on false green claims*
- *Circular Economy criteria in Green Public Procurement*
- *independent testing programme to assess possible planned obsolescence*
- *better information: EU Eco-label, Environmental Footprint*

Waste management

Objectives

- *improve waste management in line with the EU waste hierarchy*
- *address existing implementation gaps*
- *provide long-term vision and targets to guide investments*

Key actions

- *legislative proposals on waste*
- *work with MS to improve waste management plans, including to avoid overcapacity in residual waste treatment (incineration and mechanical-biological treatment)*
- *ensure coherence between waste investments under EU Cohesion Policy and the waste hierarchy*

EMAS and Circular Economy





EMAS



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?

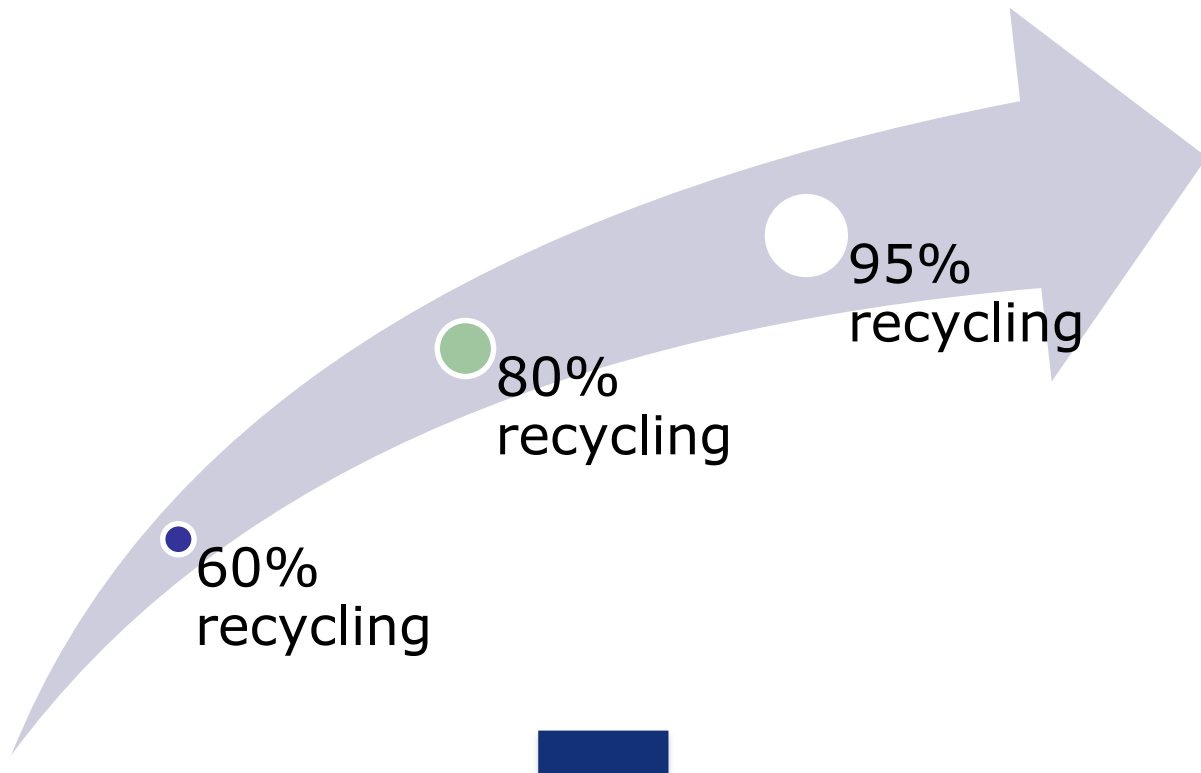



EMAS is a commitment to...





... in environmental performance





According to the EMAS Regulation, the European Commission shall develop EMAS Sectoral Reference Documents on Best Environmental Management Practices (BEMPs)

BEMPs help your organisation to improve its environmental performance and are a key element of the **EMAS** framework.

The Sectoral Reference Documents on Best Environmental Management Practice

- Legal basis: EMAS Regulation (EC) No 1221/2009
- Voluntary nature
 - EMAS is a voluntary tool
 - Implementation of best practices is voluntary
- Not only for EMAS registered organisations but for all actors within the sectors covered which intend to improve their environmental performance



GO GREEN WITH **BEST ENVIRONMENTAL MANAGEMENT PRACTICES!**

 **BEMP**

**Best practices to reduce
environmental impacts**

Already in Use by Best Environmental Performers



**Practical
Guidance**



**Environmental
Performance
Indicators**



**Benchmarks
of Excellence**

Best Environmental Management Practices (BEMPs)

What is BEMP:

- those techniques, measures or actions that allow organisations of a given sector to **minimise their impact on the environment**
- **direct** and **indirect** aspects
- **technical/technological** as well as **management /organisational** type
- **fully implemented** by best performers
- technically **feasible** and economically **viable**



Best Environmental Management Practices (BEMPs)

What is not BEMP:

- Obsolete techniques
- Common practice
- Good practice
- Emerging techniques
 - are available and innovative
 - not yet proved their economic feasibility
 - not yet implemented at full scale

BEMP is what goes well beyond common practice

but is already fully implemented

and widely applicable

Environmental Performance Indicators and Benchmarks of Excellence

- **Environmental performance indicators**

- "specific expression that allows measurement of an organisation's environmental performance" (EMAS Regulation)

already in use

environmentally meaningful

can be a proxy

- **Benchmarks of excellence**

- exemplary environmental performance

very ambitious

achieved by frontrunners

not a target but a measure of what is possible

Towards the future: leading the way with Best Practice

A few examples of Best Practices: how frontrunners are leading the way to a Circular Economy

- **Design for sustainability using Life Cycle Assessment (LCA)**

helps identify improvements and trade-offs between different environmental impacts at design stage, to avoid shifting environmental burdens from one part of the product life cycle to another

- **Best practices for remanufacturing components**

helps increase remanufacturing activities and ensure the high quality of remanufactured parts while reducing environmental impacts and scaling up activities to cover more components

- **Component and material take-back networks**

extensive collaboration between different industry actors to increase the rate of reuse, recycling and recovery that is economically achievable

Example of ELV BEMP (1):

Component and material take-back networks

BEMP is to deploy effective take-back networks to increase the rate of reuse, recycling and recovery that is economically achievable when treating ELVs.

Front-runner authorised treatment facilities have implemented best practice through:

- Collaboration with industry actors: to coordinate the tracking, collection and transportation of components and materials and to ensure that the right incentives are in place for actors in the chain;
- Managing/incentivising product return;
- Consolidation with other waste streams, to reduce the administrative burdens and pool expertise;
- Providing technical support and awareness-raising.

Example of ELV BEMP (2):

Enhanced depollution of vehicles

→ BEMP is to carefully carry out the mandatory depollution of vehicles using specifically designed equipment where possible.

Best practice is to have in place effective depollution systems such as:

- Equipment which safely drills fuel tanks and hydraulically removes fuel;
- Drainage/collection equipment for oils, hydraulic fluids etc.; and to remove oil from shock absorbers;
- Tools to remove the catalytic converter;
- Equipment for removal and safe storage of air conditioning gases;
- Equipment for airbag detonation and;
- Equipment for removal of seat tensioners;
- or to use alternative methods to achieve the same levels of depollution,

Use of the EMAS SRDs

EMAS registered organisations: According to the EMAS regulation "Where sectoral reference documents [...] are available for the specific sector, the assessment of the organisation's environmental performance shall take into account the relevant document" (Regulation EC 1221/2009 Article 4.1(d)).

- Information on (likely) most relevant environmental aspects.
- Inspiration on what measures can be implemented next for continuous environmental performance improvement.
- Recommended environmental performance indicators.

Value beyond EMAS: Reference documents for all organisations in the sectors covered which intend to improve their environmental performance

Verification and Reporting

Art. 18 - Environmental verifiers verify:

- (b) compliance of the organisation with applicable legal requirements relating to the environment;
- (c) the organisation's continuous improvement of environmental performance

Annex IV - The environmental statement contains:

- c) a description of all the significant direct and indirect environmental aspects
- d) a description of the environmental objectives and targets
- e) summary of the data available on the performance of the organisation

ONLY ONE EARTH

For more information please visit:

http://ec.europa.eu/environment/emas/index_en.htm

<http://susproc.jrc.ec.europa.eu/activities/emas/>

http://ec.europa.eu/environment/emas/emas_for_you/news/news61_en.htm

http://ec.europa.eu/environment/circular-economy/index_en.htm

http://ec.europa.eu/environment/waste/target_review.htm

http://ec.europa.eu/environment/waste/elv_index.htm

Thank you for your attention!

