

EMAS



EMAS Performance, Credibility, Transparency

The EU Eco-Management and Audit Scheme (EMAS)



What is EMAS?

Voluntary environmental management tool operative since 1995

Aim

Continual improvements in the environmental performance of companies and other organisations

Means

Tools allowing organisations to measure, evaluate, report and improve environmental performance

Outcomes

Better management of environmental issues and credible information on these issues



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EMAS follows a Systematic “Plan-Do-Check-Act” Approach



What are the Core Elements of EMAS?



EMAS

Premium benchmark for environmental management

Performance

Carrying out annual updates of environmental policy targets and actions to implement and evaluate these targets

Credibility

Third party verification by independent auditors guarantees the value of both actions taken and disclosed information

Transparency

Environmental statements provide public information about the environmental performance of the organisation



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Who can participate?



I Organisations operating in **all economic sectors**

II Organisations located **inside or outside EU, EEA and Accession countries (EMAS Global)***

* It is in the realm of EU Member States to allow registration of organisations located outside EU, EEA and Accession Countries. Before introducing EMAS Global a number of practical and legal issues need to be clarified.

What are the Steps to EMAS Registration?



- (1) Environmental review
- (2) Environmental policy
- (3) Environmental programme
- (4) Environmental management system
- (5) Environmental audit
- (6) Environmental statement
- (7) Registration by Competent Body and use of EMAS logo

What are Benefits of EMAS Registration?



- (a) **Cost reductions:** better management of resources (e.g. energy and resources efficiency)
- (b) **Risk minimisation:** possibilities to reduce associated risk levels by assessing operational procedures
- (c) **Regulatory compliance:** greater awareness and knowledge of regulatory requirements
- (d) **Regulatory relief:** regulators may choose to relax regulatory requirements
- (e) **Improved relations with internal stakeholders:** employee involvement and training under EMAS can lead to improved employee morale
- (f) **Improved relations with external stakeholders:** EMAS registration of a site in close proximity to residents can enhance credibility and transparency
- (g) **Competitive advantage:** EMAS registration can lead to improved market access and increased market share

What are Costs of EMAS Registration?



Costs vary with the size and the sector of the organisation*

- (a) **Fixed costs:** assumed to be unrelated to staff numbers (e.g. registration fees, IT costs)
- (b) **External costs:** incurred by employing external consultancy to support EMAS implementation (e.g. employee training)
- (c) **Internal costs:** incurred by organisation staff to implement, administer and report on EMAS (e.g. internal audit)

* For detailed information about the costs of EMAS implementation and financial incentives, please contact your national [Competent Body](#)

EMAS Development



EMAS I

29 June 1993 EMAS adopted by the European Council
1995 EMAS opens for participation by industrial companies

EMAS II

19 March 2001 New Regulation adopted by the Council and the EP
27 April 2001 Entry into force of new *Regulation (EC)* N°
761/2001

EMAS III

25 Nov 2009 New Regulation adopted by the Council and the EP
11 Jan 2010 Entry into force of new *Regulation (EC)* N°
1221/2009



New Provisions of EMAS III



I Improvement of applicability of scheme

II Strengthening visibility and outreach of scheme

New Provisions of EMAS III (cont'd)



(I) Improvement of the applicability of the scheme

- (a) **Transitional registration procedures:** facilitate introduction of EMAS III
- (b) **Revised audit cycles:** further improve applicability for small organisations
- (c) **Single corporate registration:** ease administrative and financial burden on organisations with several sites
- (d) **Cluster approach:** provide specific assistance to clusters of organisations in the development & implementation phases of EMAS registration
- (e) **Environmental core indicators:** adequately document environmental performance and create multi-annual comparability
- (f) **Sectoral reference documents:** facilitate practical implementation 'on the ground' of EMAS requirements

New Provisions of EMAS III (cont'd)



(II) Strengthening EMAS visibility and outreach

- (a) **Single EMAS logo:** communicate EMAS in one coherent and distinctive way
- (b) **EMAS Global:** encourage global uptake of the scheme by making EMAS certification possible for organisations outside the EU Community
- (c) **Information and promotion activities of EU Member States and European Commission:** support uptake of EMAS III
- (c) **Recognition of other EMS:** facilitate uptake from existing EMS to EMAS

In the Spotlight: Six Environmental Core Indicators



Environmental key area	Input/Impact
Energy efficiency	Total direct energy use: <i>total annual energy consumption, expressed in MWh or GJ</i> Total renewable energy use: <i>percentage of total annual consumption of energy (electricity and heat) produced by the organisation from renewable energy sources</i>
Material efficiency	Annual mass-flow of different materials used (excluding energy carriers and water): <i>in tonnes</i>
Water	Total annual water consumption: <i>in m³</i>
Waste	Total annual generation of waste: <i>in tonnes</i> Total annual generation of hazardous waste: <i>in kilograms or tonnes</i>
Biodiversity	Use of land: <i>in m² of built-up area</i>
Emissions	Total annual emission of greenhouse gases (incl. at least emissions of CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs and SF ₆): <i>in tonnes of CO₂ equivalent</i> Total annual air emission (incl. at least emissions of SO ₂ , NO _x and PM): <i>in kilograms or tonnes</i>



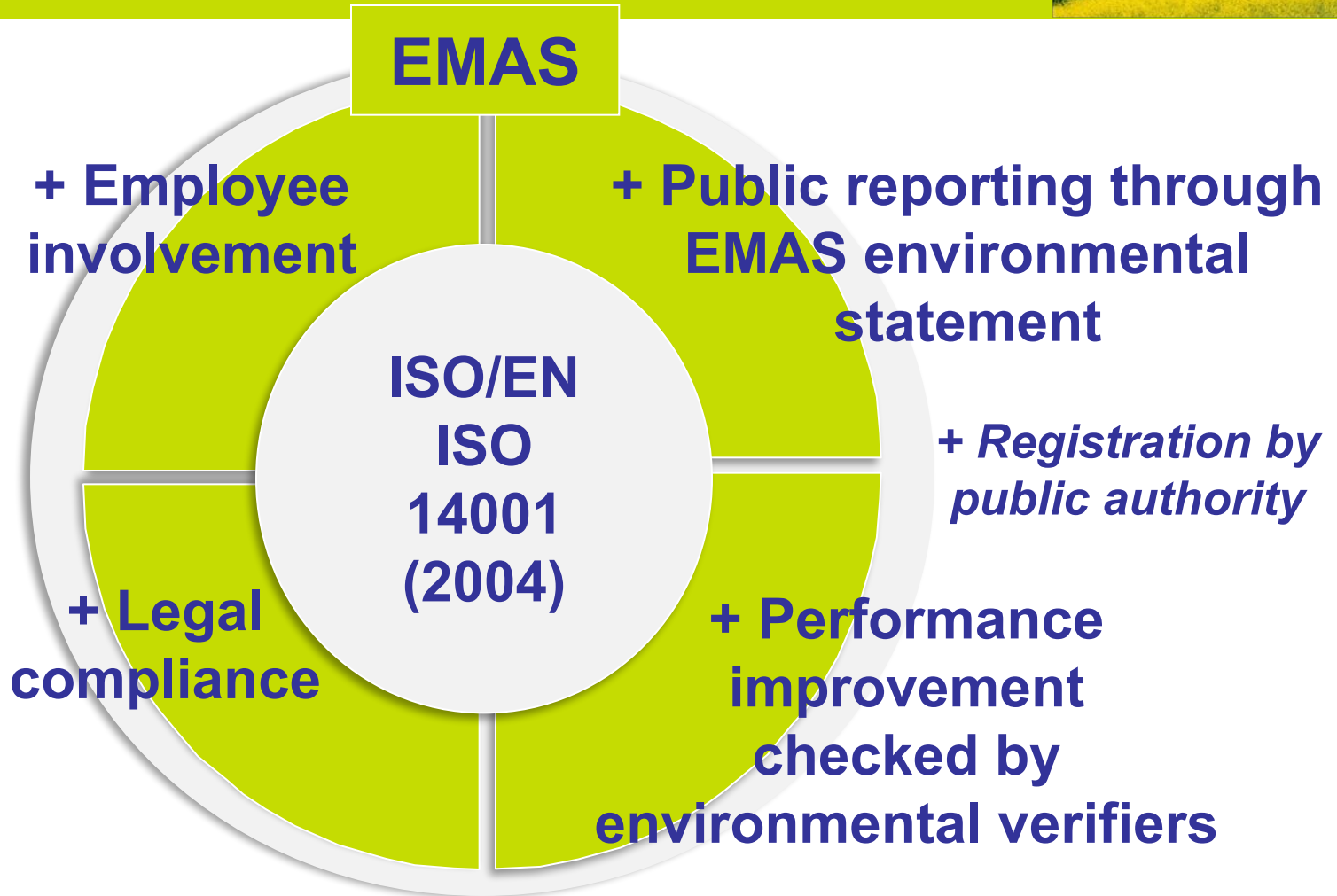
In the Spotlight: EMAS Logo



One single logo



EMAS goes further than ISO 14001



Successful EMAS Implementation: Involvement



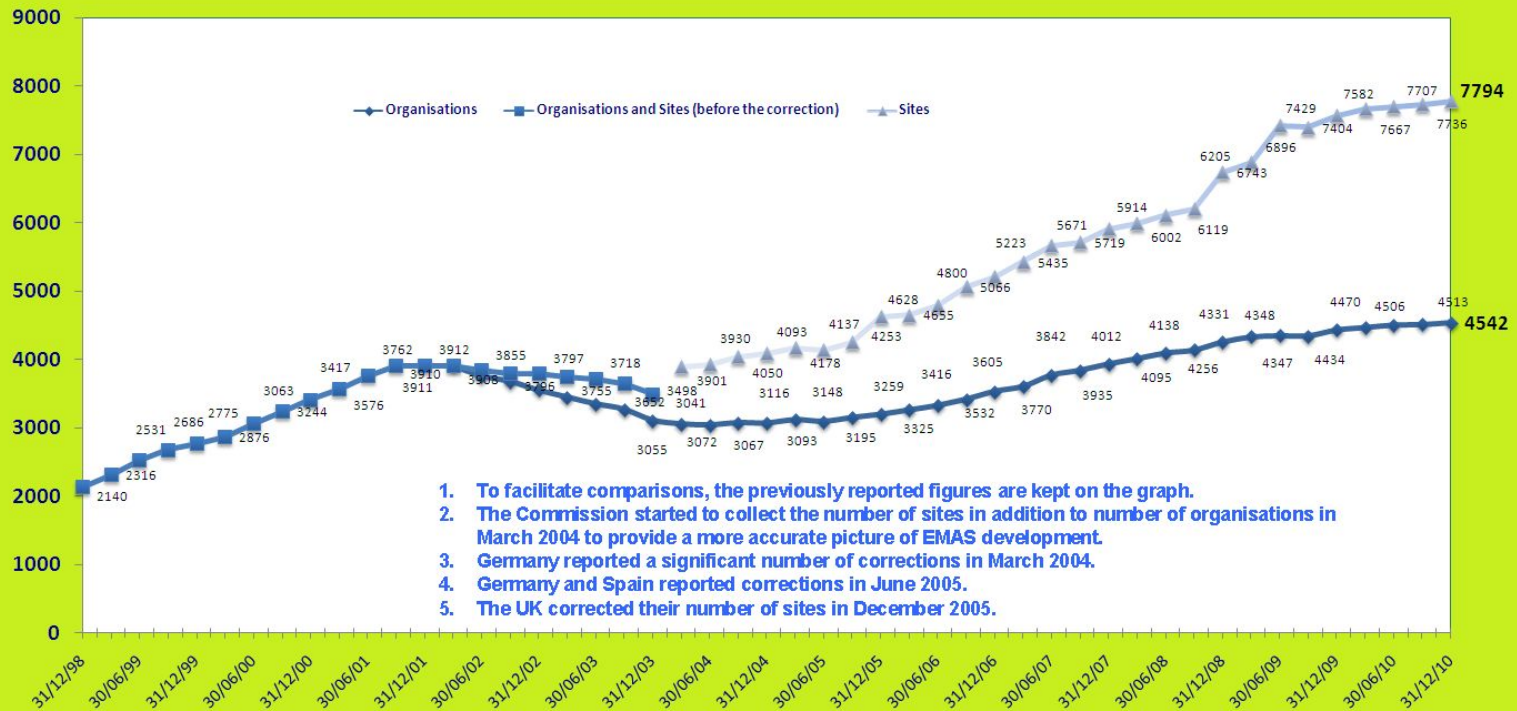
Stages	Involved Parts
Commitment	<i>Top Management</i>
Environmental review of activities	<i>Environmental manager, all departments</i>
What are our aims?	<i>Management</i>
How can we reach them?	<i>Management</i>
Is everything in line with EMAS?	<i>All employees, environmental managers, auditor(s)</i>
Statement of environmental performance	<i>Management, environmental managers</i>
External verification	<i>EMAS environmental verifier(s)</i>



EMAS Statistics



EMAS STATISTICS EVOLUTION OF ORGANISATIONS AND SITES Quarterly Data 31/12/2010



1. To facilitate comparisons, the previously reported figures are kept on the graph.
2. The Commission started to collect the number of sites in addition to number of organisations in March 2004 to provide a more accurate picture of EMAS development.
3. Germany reported a significant number of corrections in March 2004.
4. Germany and Spain reported corrections in June 2005.
5. The UK corrected their number of sites in December 2005.

Further Information on the EMAS Website



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Eco-Management and Audit Scheme

What is EMAS?

The EU Eco-Management and Audit Scheme (EMAS) is a management tool for companies and other organisations to evaluate, report and improve their environmental performance. The scheme has been available for participation by companies since 1995 and was originally restricted to companies in industrial sectors.

Since 2001 EMAS has been open to all economic sectors including public and private services.

In 2009 the EMAS Regulation has been revised and modified for the second time. Regulation (EC) No 1221/2009 of the European Parliament and of the Council of 25 November 2009 on the voluntary participation by organisations in a Community eco-management and audit scheme (EMAS) was published on 22 December 2009 and entered into force on 11 January 2010.

- New EMAS III Regulation in all Community languages

Focus Points

EMAS Regulation
SME portal
GPP

Register
Statistics

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EMAS website

EMAS in figures

Country	Organisations	Products
Belgium	22	418
Denmark	49	428
France	9	9
Germany	15	2
Italy	11	21
Spain	11	129
UK	11	4
Sweden	11	29
Spain	11	17
Germany	1,179	1,855
Spain	64	851
Italy	39	23
France	17	1,455
UK	19	4
Denmark	2	4
Malta	1	1
Netherlands	1	1
Poland	19	26
Portugal	6	6
Sweden	1	1
Switzerland	1	7
Denmark	1	7
Spain	1,119	1,462
Germany	75	74
United Kingdom	45	352

EMAS near you

- Work and social
- Industrial final products
- Energy
- Transport and equipment
- Chemicals
- Services
- Agriculture and food products

EMAS website

The EMAS website is published by the EMAS Register on behalf of the European Commission. An electronic copy is available on the internet (<http://ec.europa.eu/environment/emas>) or by ordering by the following link. For any suggestions, comments or further information please email the EMAS Register at emas@ec.europa.eu or write to the following address:

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EMAS - Newsletter

The European Eco-Management and Audit Scheme
Improving your environmental and business performance
<http://ec.europa.eu/environment/emas>

Overall editorial to triple newsletter on European EMAS Awards winners, People behind EMAS and EMAS global Editorial

European EMAS Awards winners 2009

Introduction
Commission announces winners of European EMAS Awards 2009

Seven organisations have won the European Eco-Management and Audit Scheme (EMAS) Awards for excellence in environmental management. The winners were announced at the awards ceremony on the evening of the 19th November 2009, in Stockholm. The awards recognise outstanding achievements in environmental management.

One of the most notable highlights in the European Community played host to the 19th annual of the EMAS awards. Stockholm's National Museum provided an elegant backdrop to the celebration dinner and the awards, at which an Astra Infratec act provided the musical entertainment. The presentation of the awards recognised exceptional environmental performance in five categories of organisations, based on criteria for the number of employees and financial strength.

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www.ec.europa.eu/environment/emas

Links



- European Union: <http://www.europa.eu>
- EMAS Register: www.emas-register.eu
- EMAS Toolkit for small organisations: www.ec.europa.eu/environment/emas/toolkit/
- EMAS Easy: http://ec.europa.eu/environment/emas/tools/emaseasy_en.htm
- European Portal for SMEs: www.ec.europa.eu/enterprise/sme/
- EU Ecolabel: www.ec.europa.eu/environment/ecolabel/
- Green Public Procurement (GPP): www.ec.europa.eu/environment/gpp/index_en.htm
- Environmental Compliance Assistance Programme for SMEs (ECAP): www.ec.europa.eu/environment/sme/index_en.htm
- European Environment Agency: www.eea.europa.eu
- International Standard Organisation (ISO): www.iso.org

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