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**Geschäftsführende Gesellschafter
17&4 Organisationsberatung GmbH.**

Environmental Management System

Milestones in European Environmental Legislation

1973

Artikel 100

Waste Directive

1980

Directive Quality of drinking water

1982

Seveso Directive

1992

Environmental labeling

1993

EMAS

2000

Producer responsibility (cars)

2001

EMAS II

EMAS und ISO 14 000



EMAS
1

May 1999

Eco Management and Audit Scheme EMAS & EU

- **Public European wide quality label for voluntary environmental management and communication**
- **Direct response to the European fifth environmental action program**
- **Economical and markets instruments**
- **Promotion of shared responsibility**
- **Adopted on 29th June 1993 and opened to industrial participation since 1995**
- **3000 registered sites EMAS (mainly in northern Europe)**
- **Revision under process**

EMAS - Key elements

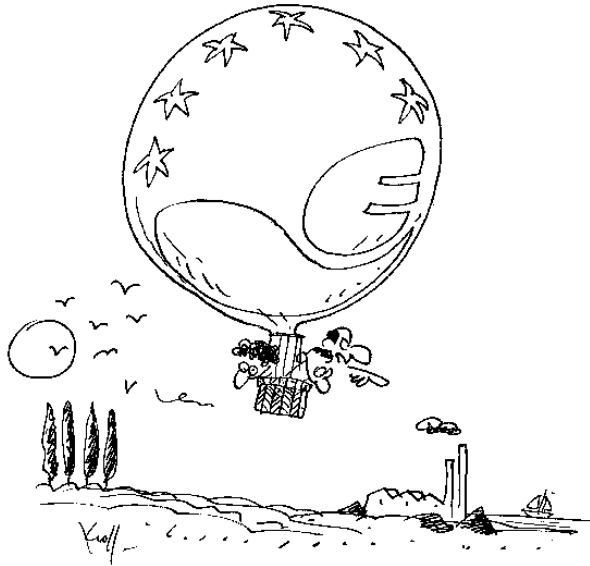


Continuous improvement in environmental performance :

Establishment and functioning of an Environmental Management System (EMS according to ISO 14001)

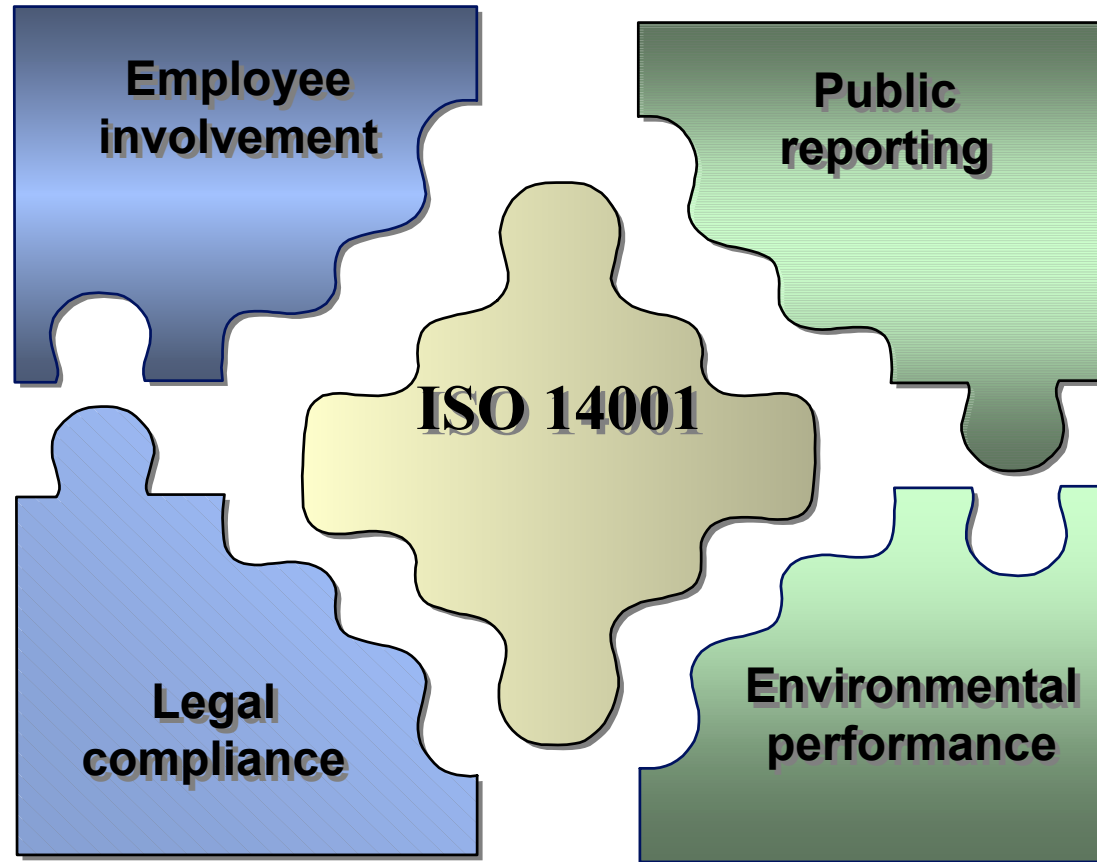
**Continues Verification and audit of the environmental performance
Environmental performance communication to public & stakeholders**

EMAS 2000 - Caractéristiques



- **Opening to all sectors of economic activity, public & private**
- **Full integration of the international standard ISO 14001**
- **No more competitiveness ISO-EMAS**
- **Eventual smooth transition from ISO to EMAS**
- **Coherence with european legislatif tools**

EMAS II / ISO 14001



EMAS II goes further than ISO 14001

EMAS II & Environmental Performance

- Proof of a real management of the environmental impact : diminution of energy consumption, waste production, emission in air and waste water...



hoff
Plan Do Check Act!

Increased transparency and truthfulness thanks to the verification

- Useful for all stakeholders (clients, workers, shareholder, banks, public authorities, NGOs, local administration, neighbour)

EMAS II & External Communication



External communication of the performance

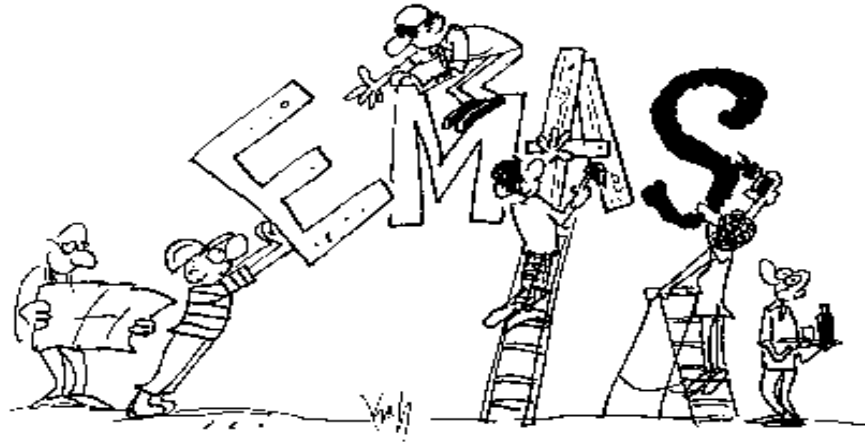
Environmental statement publicly available

Increased image on the market

Validated environmental statement

Credible information

EMAS II is employee participation



- **Active involvement of employees in all stage of the development of EMS**
- **Appropriate training**
- **Communication of results**
- **Continual feedback from and to all the employees**

EMAS II means more than Legal compliance



- **Compulsory conformity and application of the legislation**
- **Invitation to anticipate new regulations**
- **Administratives 'relache'**

EMAS II credibility and transparency Validation and certification

The accredited environmental verifier validate the environmental information and verify that the EMS is conform to the requirements of EMAS



Specialist of a specific sector, accredited and controlled by member state, EU of a public or private institution

EMAS II logo

Proof of environmental excellence



Verified environmental management

Successful implementation of the EMS

Commitment to continuous improvement

Active involvement of employees

Invitation to an opened dialogue



Validated information

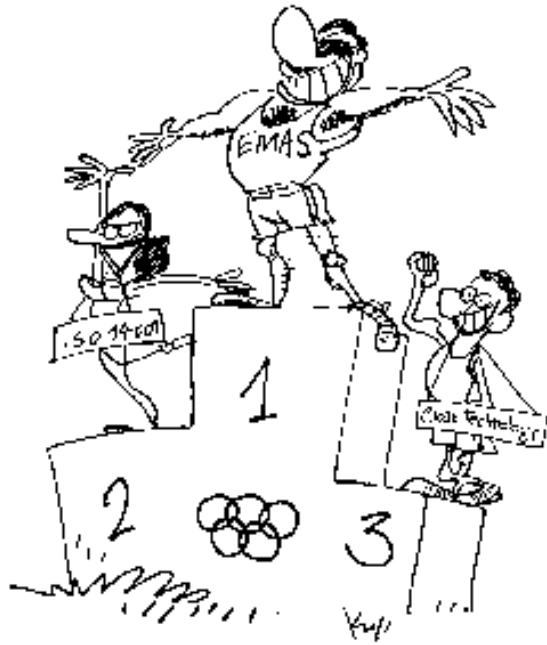
Information is verified and validated periodically

EMAS II Benefits

- **Modernisation of management**
- **Cost reduction**
- **Better communication with authorities**
- **Better appreciation by banks and insurance companies**
- **Avalanche effect on supplier**
- **Goodwill environmental**
- **Improvement of public image**



Conclusion EMAS II is:



- New concept for modern environmental management
- European wide recognition for environmental excellence
- Increased transparency
- Economics benefits
- Improved management practices
- Better employee moral