



EMAS

Eco-Management & Audit Scheme

and

BIODIVERSITY

What is EMAS?

Voluntary environmental management instrument designed by the European Union

Performance

Aim

Continuous improvement of environmental performance

Transparency

Means

Measure, evaluate, report and improve environmental impacts with help of a management system

Credibility

Outcomes

Performance and efficiency improvements, credible 'externally' verified environmental information and administrative benefits.

Target?

- *EMAS suits all organisations desiring to go the extra mile with a premium management scheme*
- *EMAS can be applied by both private and public organisations both large and small.*
- *Currently about 4000 organisations and more than 8000 sites are EMAS registered*

How does it work?



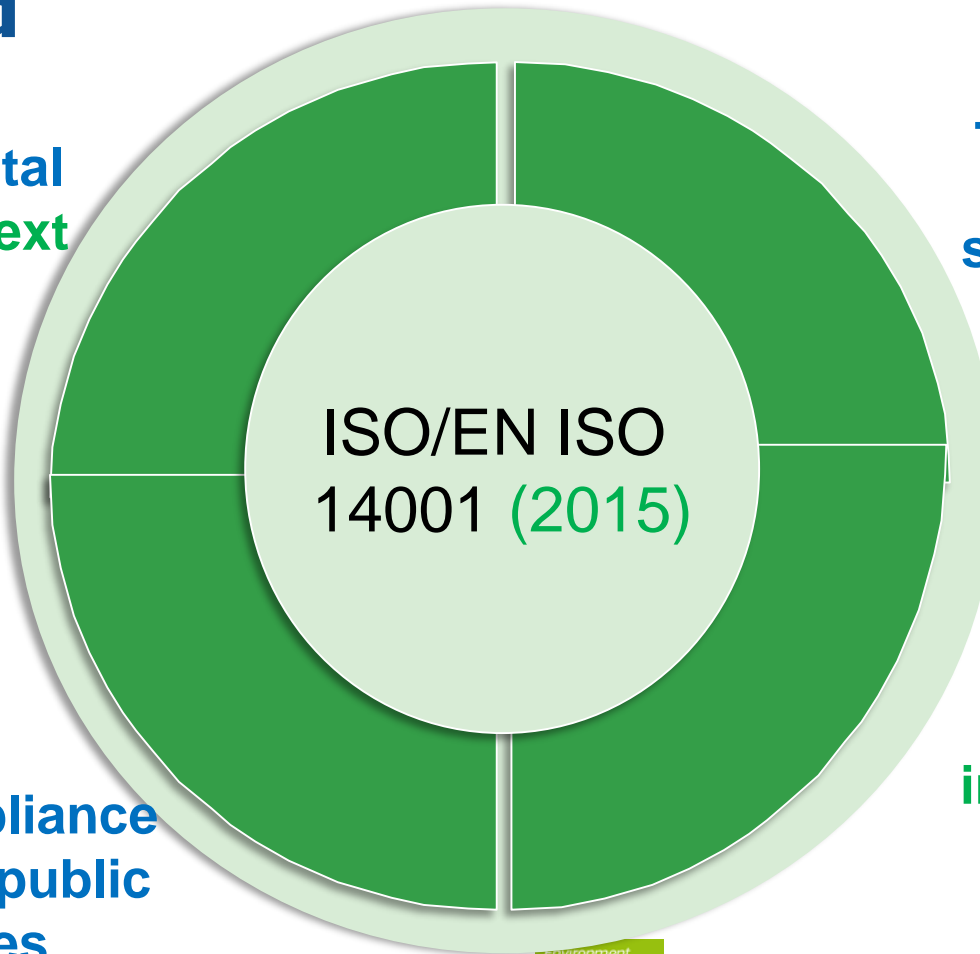
- **Plan**
 - **Do**
 - **Check**
 - **Act**
- ## Approach

EMAS integrates ISO 14001 but goes beyond

+ Environmental Review / Context analysis

+ Employee involvement

+ Legal compliance validated by public authorities



+ External reporting through EMAS env. statement with set of indicators

+ *Registration by public authority*

+ Continuous improvement of env. performance

Elements related to Biodiversity protection:

1) Identification of significant impacts

Organisations shall identify significant impacts in their **environmental review**.

Among other, following impact should be considered:

- **(v) use and contamination of land;**
- **(vi) use of natural resources and raw materials;**
- **(xi) effects on biodiversity.**

Once identified those impacts will be used to:

- Define environmental policy and targets
- Report progress on those in environmental statement

Elements related to Biodiversity protection:

2) EMAS core indicators:

Organisations shall report in the environmental statement on the core indicators as these relate to the direct environmental aspects of the organisation

- i. Energy efficiency
- ii. Material efficiency
- iii. Water
- iv. Waste
- v. Biodiversity**
- vi. Emissions

The biodiversity indicator:

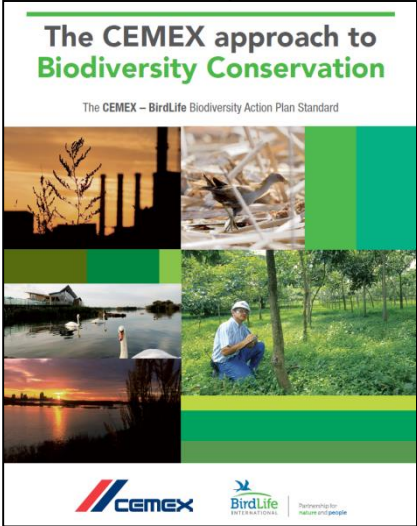
Each core indicator is composed of:

- a figure A indicating the **total annual input** in the given field
- a figure B indicating the **overall annual output** of the org.
- A figure R indicating the **ratio A/B**.

For Biodiversity:

- figure A = the 'use of land', expressed in m² of built-up area
- figure B = organisation output: total annual gross value-added (EUR Mio) or total annual physical output (in tonnes), the number of employees or other indicators (depend on activities and size).

Examples of current reporting on biodiversity through EMAS.

Company Name	Country	Activity Sector	Biodiversity indicators
<p>Cemex</p> 	<p>Germany</p>	<p>Cement mining and transformation</p>	<p>The company has a biodiversity policy. They commit to reducing their impact to the minimum damage possible, and seek opportunities for biodiversity enhancement initiatives.</p> <p>Identify site of high biodiversity values, train employees to biodiversity respect, monitor, review and assess biodiversity performance.</p> <p>Cemex Germany has initiated a re-cultivation plans at the end of construction works, that helps the development of habitat rich in biodiversity.</p>

Examples of current reporting on biodiversity through EMAS.

Company Name	Country	Activity Sector	Biodiversity indicators
Carbosulcis	Italy	Mining of hard Coal	<p>The environmental statement presents a detailed description of the biodiversity of the region.</p> <p>Measures: use of covered up transportation to avoid dissemination of minerals in the nature, limited speed 30 km, on the company ground. The company has also committed to plant 3000 tree species in the area to create an ecological filter that would stop mines' dust from spreading.</p>








Ultime notizie
 ▶ Bando e Gare: Avviso esplorativo manifestazione di interesse affidamento servizio manutenzione estimatori
 Scadenza 21/12/2015
 ▶ Bando e Gare: Avviso manifestazione di interesse




Examples of current reporting on biodiversity through EMAS.

Company Name	Country	Activity Sector	Biodiversity indicators
Bristol city Council	United Kingdom	Public administration	<p>The Bristol City Council shows a performance indicator of 4.3 hectares of accessible green space per 1,000 residents.</p> <p>The council is involved in several projects which will improve green infrastructure in the city: urban pollination projects including planting floral, perennial and wildflower meadows plus the development of strategic pollinator corridor across the region.</p>



Examples of current reporting on biodiversity through EMAS.

Company Name	Country	Activity Sector	Biodiversity indicators
Illy café S.p.a	Italy	Coffee producer	<p>The company promotes integrated agriculture methods, during its field's visits. It is also engaged in various communication actions around biodiversity and has financed other associations such as the terra institute that is in charge of the reforestation of the Atlantic forest. In 2013 it has distributed 500 manuals on the theme reforestation. The Illy foundation has also sponsored reforestation in Colombia which involved 40 ha.</p>





Thank you for your attention

Any questions?