EMAS (Eco-Management and Audit Scheme)
a tool to improve environmental performance
What is EMAS?

Eco-Management and Audit Scheme

➢ EMAS is the European standard for environmental management systems (EMS)

➢ Voluntary environmental management tool allowing organisations to measure, evaluate, report and improve environmental performance

➢ Based on EU Regulation (EC) No 1221/2009

➢ Compatible with the requirements of ISO 14001:2004
EMAS project

Environmental management system

ISO 14001:2004

+ Legal compliance
  + Employee involvement
  + External verification
  + Public reporting
  + Registration

REPORTING

MONITORING

INDICATORS

TARGETS

MEASUREMENT
Scope of EMAS
EMAS project at the Court

2014

Environmental Policy and Programme

2015

✓ Environmental management system (EMS)
✓ Carbon Footprint evaluation
✓ ISO14001 certification

2016

EMAS Registration
EMAS is based on ‘Plan-Do-Check-Act’ approach

objectives and targets 2014 - 2016

objectives and targets 2017 - 2019

Continuous Improvement

Quality Improvement

Time
## Objectives and targets 2014 - 2016

### ECA Environmental Policy

#### Objectives and targets

<table>
<thead>
<tr>
<th>Objective</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduce consumption of <strong>energy</strong></td>
<td>By 5% in 3 years</td>
</tr>
<tr>
<td>Reduce consumption of <strong>paper</strong></td>
<td>By 10% in 3 years</td>
</tr>
<tr>
<td>Reduce <strong>air pollution</strong> from travelling</td>
<td>By 5% in 3 years</td>
</tr>
<tr>
<td>Reduce production of <strong>waste</strong> (including food waste)</td>
<td>By 5% in 3 years</td>
</tr>
<tr>
<td>Increase integration of environmental considerations in <strong>procurement</strong></td>
<td>Activities</td>
</tr>
<tr>
<td>Reduce <strong>water</strong> consumption</td>
<td>By 5% in 3 years</td>
</tr>
<tr>
<td>Achieve 100% <strong>regulatory compliance</strong></td>
<td></td>
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<tr>
<td>Establish <strong>carbon footprint</strong> evaluation</td>
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</table>

### EMAS action plan

- **Checkmark**
Green(er) services

K3 final certification

Bicycle room

M-pass

Waste management

Canteen

Lighting

CFS

K2 upgrade
Green IT

Video-conferencing equipment

e-Library

Data center efficiency

"Print on demand" tool
Green(er) communication

- e-cards
- Collaborative intranet
- (eco) Gadgets
- Screens and totems
- Publications
What are benefits of an EMAS registration?

- **Cost reductions:** more efficient resource use (e.g. energy, water)

- **Risk minimisation:** possibilities to reduce associated risk levels by assessing operational procedures & legal compliance

- **Improved relations** with internal and external stakeholders

- **Regulatory compliance:** greater awareness and knowledge of regulatory requirements
Potential of the system
EMAS action plan 2014 - 2016:
Reduce consumption of energy by 5% in 3 years

Objective:
5% in 3 years

ECA result:
-9.2%

Total annual direct energy consumption

- Total annual fuel consumption
- Total annual heating/cooling consumption
- Total annual electricity consumption

ECA results 2014-2016

- Total annual fuel consumption in MWh
  +20.7%

- Total annual electricity consumption in MWh
  -10.6%

- Total annual heating/cooling consumption in MWh
  -7.3%
EMAS action plan 2014 - 2016:
Reduce consumption of paper by 10% in 3 years

Total annual paper consumption & annual printed & copied pages / FTE

Objective: 10% in 3 years

ECA result: -32.89%

ECA results 2014-2016

Annual printed & copied pages (used in offices) / FTE
-18.8%

Total annual printed pages (publications) / FTE
-59.3%
EMAS action plan 2014 - 2016: Reduce air pollution from travelling

[Total GHG emissions]

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aggregate carbon footprint (tCO2)</td>
<td>8,257</td>
<td>7,838</td>
<td>9,286</td>
</tr>
<tr>
<td>Relative carbon footprint (tCO2/FTE)</td>
<td>8,95</td>
<td>8,55</td>
<td>10,05</td>
</tr>
</tbody>
</table>

GHG emission trend 2014 - 2015:

- Supply of equipment and services: 1,686 (2014), 1,640 (2015)
EMAS action plan 2014 - 2016:
Reduce production of waste by 5% in 3 years
[annual production of waste / FTE]

Objective:
5% in 3 years

ECA result:
+27.24%

Objective:
5% in 3 years

ECA results
2014-2016

- Paper waste (kg) / FTE
  - 6.7%

- Residual "other" waste (kg) / FTE
  - 9.5%

Organic waste (kg) / number of meals
+10%

Number of meals
+11.7%
Good idea!!!
EMAS cycle 2017 - 2019

ISO 14001:2004

+ Legal compliance
+ Employee involvement
+ External verification
+ Public reporting
+ Registration

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EMAS Registration 2017 - 2020

(Valid until March 10, 2020)