


## Developing a certified environmental management system (EMS) as driving force for the sustainable university

- Eddi Omrcen,  
Environmental manager
- ISCN Conference  
Best Practice – Future Challenges,  
april 2008, Zurich, Switzerland.

**Presentation:**

- The University
- The EMS
- Lessons Learnt
- Three Tools
- More Information

 UNIVERSITY OF GOTHENBURG

# University of Gothenburg

**8 faculties – 57 departments**

- The Sahlgrenska Academy – pharmacy, medicine, odontology and health care sciences
- The Faculty of Natural Science
- The Faculty of Arts
- The Faculty of Fine, Applied and Performing Arts
- The Faculty of Social Sciences
- School of Business, Economics and Law
- The Faculty of Education
- The IT University

**Students:**


- 50 000 students
- 25 600 full-time students

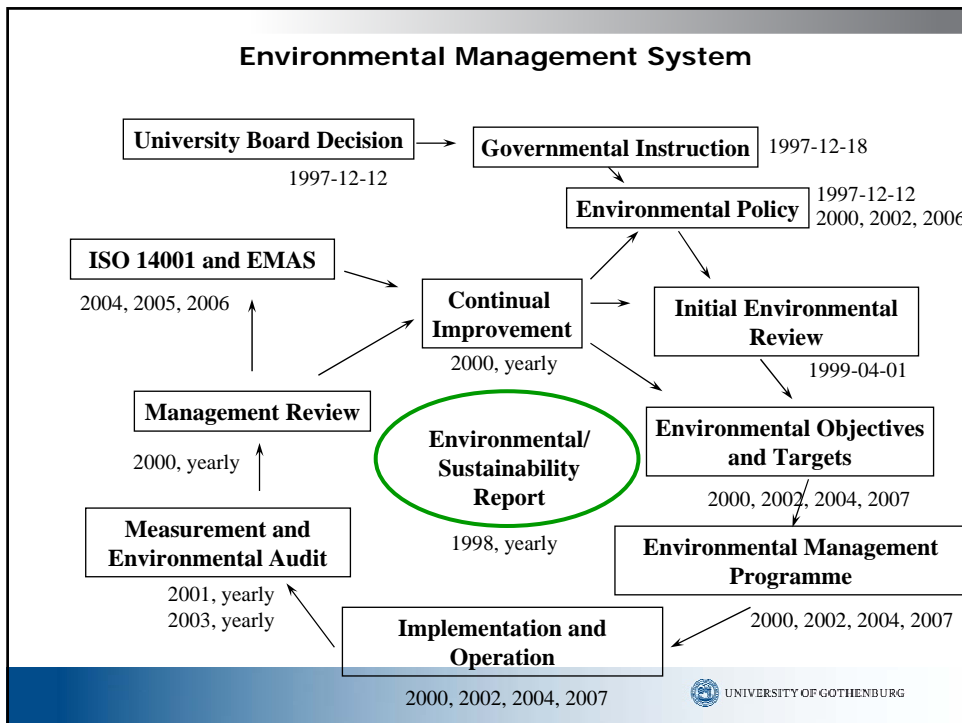
**Staff:**

- 5 200 employees
- 4 600 full-time employees, (of which 2 450 are teachers/researchers/post-graduate students)
- 450 professors
- 1 700 technical/administrative staff

**Financial Facts 2006**

- SEK 4,4 billion total income (475 mill Euro)
- SEK 3 billion state grants
- SEK 1,4 billion from external funding

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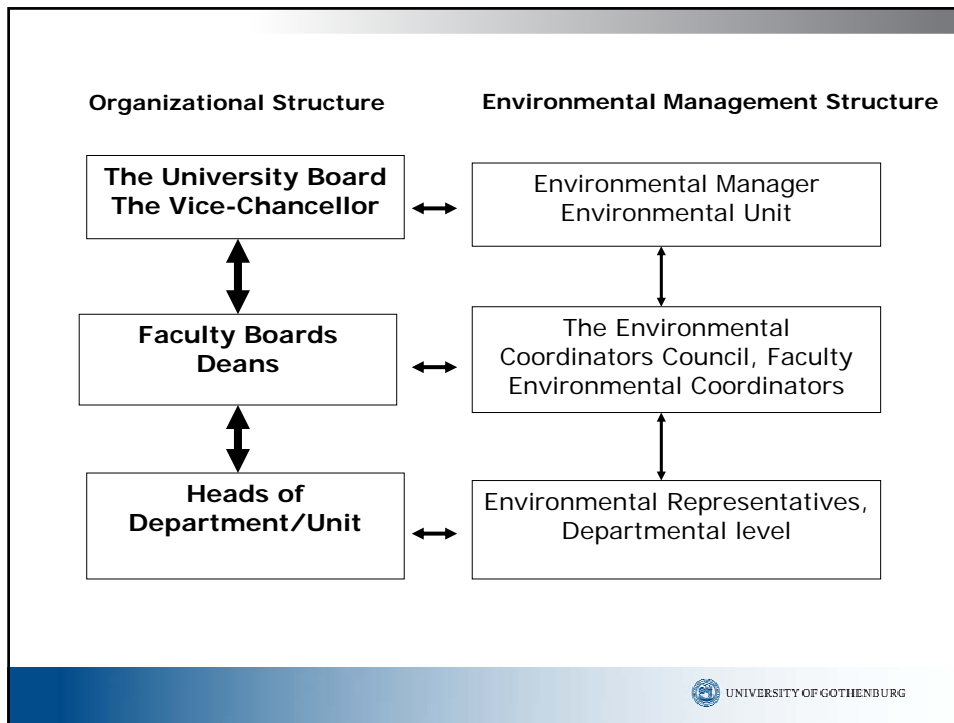


### ISO14001 – the diploma

**The Diploma gives an added value to the work with sustainable development**

**Do you need this system for introducing sustainable development?**  
No, but it makes it much easier

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## Lessons Learnt: Requierments

### Organizational:

- The Top- and Middle management must be committed
- Resources are necessary

### Objectives / conceptual:

- Clear and welldefined objective/goal
- Realistic, Utopic and/or Mega objective/goal?
- Build one system

### Process-related:

- Competition and mutual learning between faculties, departments, individuals.
- A mutual learningprocess to adjust to the standards and the standards to the organisation
- Work in phases and stages
- Environmental audits as driving force and learning possibility
- Actions taken on deviations/nonconformities gives continous improvements

### Tool 1: Environmental audits & continuous improvement

Year	Significant nonconformities	Less significant nonconformities	Notations
2003	62	115	261
2004	57	57	126
2005	86	240	226
2006	11	105	144
2007	9	83	148
<b>Total</b>	<b>225</b>	<b>600</b>	<b>905</b>

### Tool 2:

#### → Environmental Objectives and Strategic Plan for Environmental Work 2007-2010 (Get into action!)

Objectives for four strategically significant areas:

- Research and Postgraduate Education
- Undergraduate Education
- Collaboration with the Society
- Internal Environmental Work
  - Impact on the climate:
    - Travel and Transport, - Energy use
  - Consumption of resources:
    - Purchasing and Procurement, - Waste Management
  - Use of Chemical Products
  - Competence development/Staff Training

Tool 3:

## Sustainability Report 2007

- Social perspective
- Economic perspective
- Ecological perspective

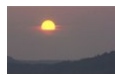


## More information

The Sustainability Report and more information about the work for Sustainable Development at University of Gothenburg is available at :

<http://www.mls.adm.gu.se/>

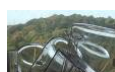
### Films about the sustainability work



The Sustainable University



The Sustainable Student



The Sustainable Laboratory