

Let's be Sustainable 2015

Our vision

By the year 2015, the Technical University of Catalonia will be a key reference in technology for sustainable development on a local, regional, European and global level, through our contribution to education as well research, development and innovation.

PRESENTATION

The Plan Sustainable UPC **2015** sets our university apart and will help us to become a **key reference in technology for sustainable development**.

The key new dimensions of this cross-cutting plan are:

- Reaching out to society and taking into consideration the needs and demands of our stakeholders
- Five challenges identified to help us channel efforts into areas of utmost social relevance
- Focus on the future, critical in matters of sustainability
- A holistic vision of sustainability, moving beyond environmental aspects, to incorporate socio-economic dimensions.

This strategy is orientated towards 2015, a deadline marked by the United Nations to achieve the Millennium Development Goals as well as the end of the UN Decade of Education for Sustainable

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WHAT ARE THE KEY CHALLENGES WE FACE?

- 1 Construction, energy and climate change**
 - Reduce energy consumption
 - Incorporate energy efficiency
 - Renewable energy
- 2 Integrated water management**
 - Re-use and efficiency
 - Water conservation
 - Management of the natural cycle
- 3 Socially Responsible Technology**
 - Deontological ethics
 - Precautionary principle
 - Ethical reflections
- 4 Land use planning, mobility and logistics**
 - Efficient urban models
 - Sustainable transport network
 - Environmental protection and countryside management
- 5 Material cycles, eco-design, and waste management**
 - Closed systems
 - Eco-efficiency
 - Eco-innovation

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What are our key areas?

The Research activity of UPC responds to **social needs** through the integration of SD criteria

A Engagement and social interaction

B Research

C Education

D Internal Management

UPC participates and **commits itself** with the challenges of its local, regional and international environment

Every UPC graduated **applies sustainability criteria** in his professional activity and in his influence area

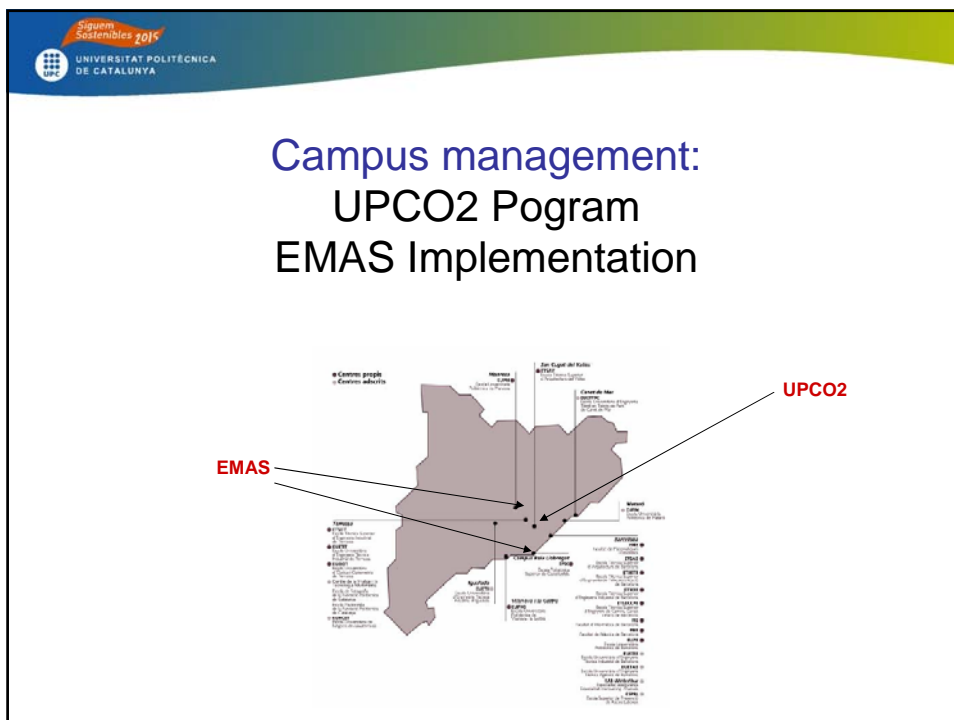
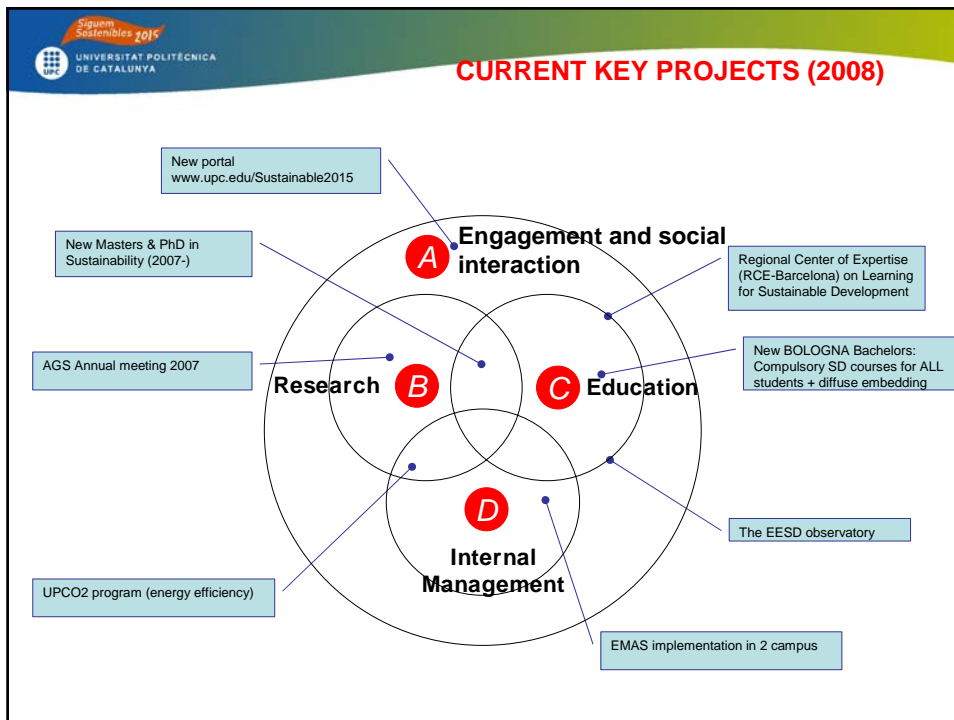
UPC is a **sustainable organization** in its operations

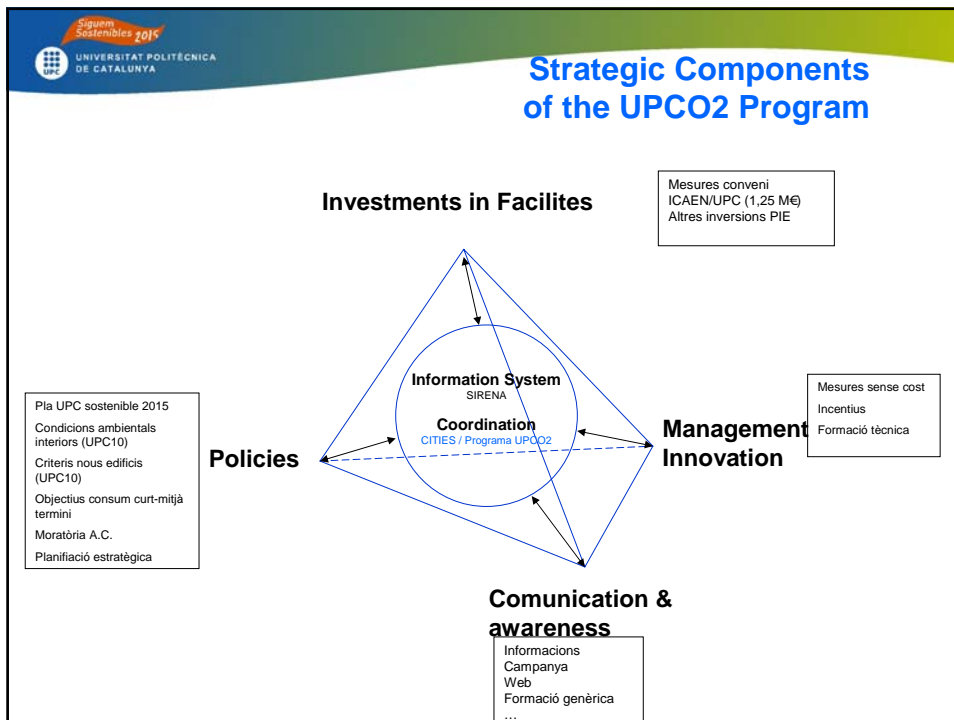
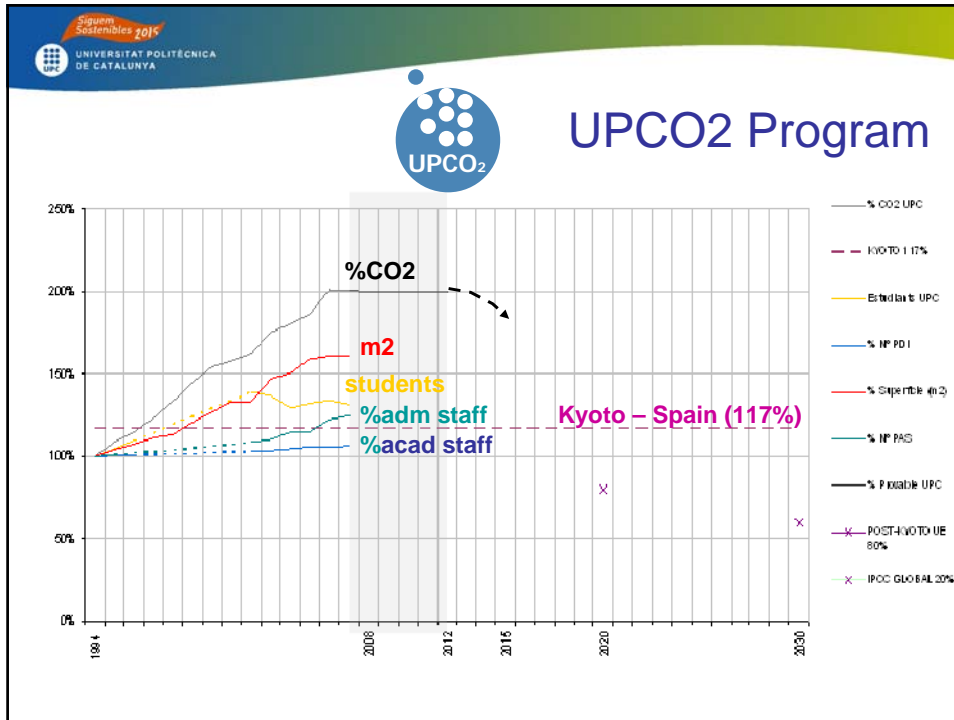
Sustainability as a key component of UPC's social commitment

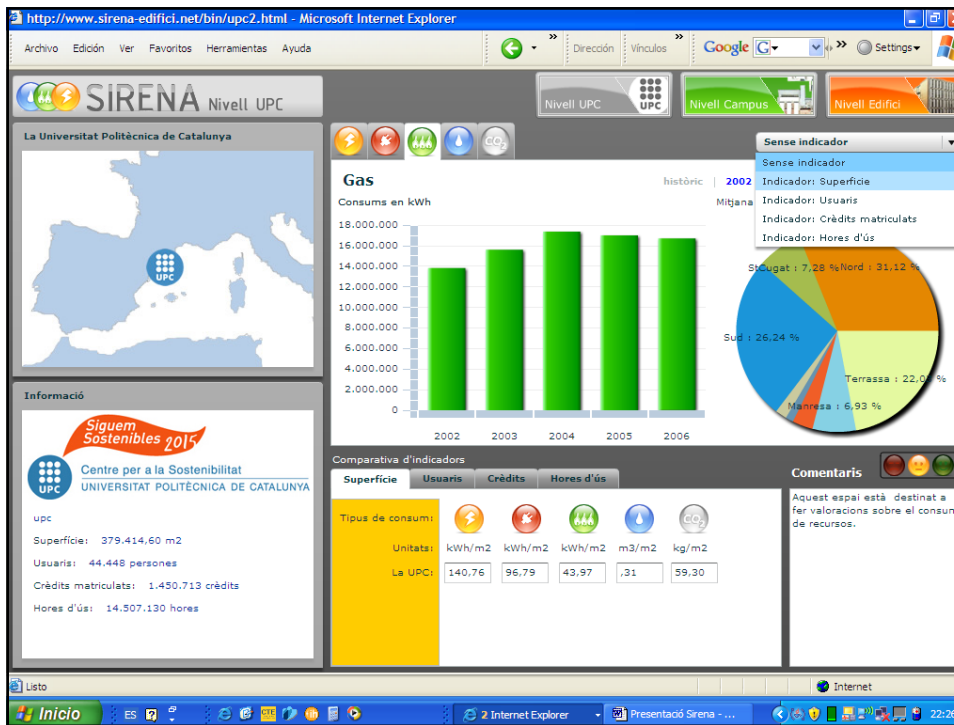
- Organizational changes supporting the strategy
 - UNESCO Chair on Sustainability (1996)
 - Center for Development Cooperation (1997)
 - Center for Sustainability (2005)
 - Vicerector for Sustainable Development (2006)

Sustainability as a key component of UPC's social commitment

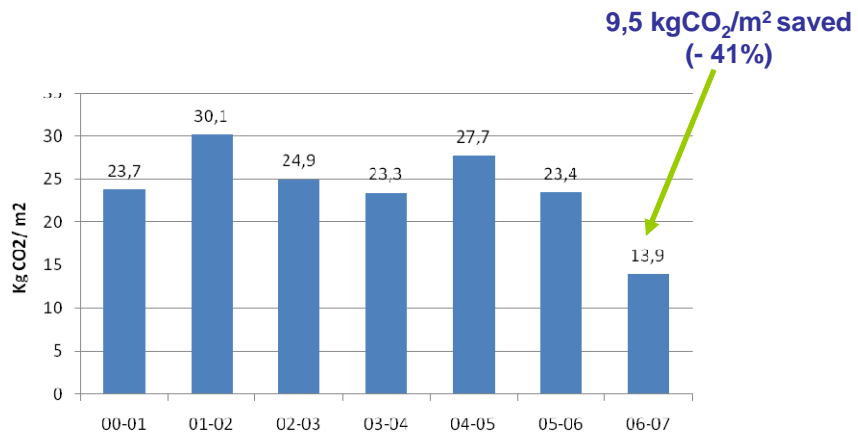
- Networks and international leadership
 - GUNI (UNESCO, UNU, UPC)
 - <http://www.guni-rmies.net/>
 - UBUNTU Forum
 - <http://www.ubuntu.upc.edu/>
 - RCE-Barcelona (UNU, regional network)
 - www.rce-barcelona.net
 - EESD Observatory
 - www.upc.edu/eesd-observatory
 - Alliance for Global Sustainability







Evolution of emissions associated to Gas consumption or the ETSAV building (Kg CO₂/m²)



CONTEXT - PRELIMINARY WORKS - ALTERATIONS CARRIED OUT - RESULTS - CONCLUSIONS

Other key Projects

RCE-Barcelona - Home - Microsoft Internet Explorer

Adreça http://rce-barcelona.net/index.php?option=com_wrapper&Itemid=44&lang=en

RCE Regional Centre for Expertise in Education for Sustainable Development

"La sostenibilitat és un horitzó de canvi que presenta sobretot moltes preguntes. El seu nexa comú és la necessitat d'articular una nova cultura."
Àngels Canadell

Home Who we are RCE Network Projects Media Centre Magazine Contact Restricted Area Login search...

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Mapa Satèl·lit

Powered by Google

La imatgeria és ©2008 NASA - Condicions d'ús

This map is not geographically correct - For more information consult WorldMapper

2 Consum responsable

3 Aigua

al Conference
rence in Penang (Malaysia)

Development
Penèdès
rich on E4S in Catalunya
development
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ion and Sustainability

bing, 2006. nickcobbimg.co.uk

Siguem sostenibles 2011

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ESADE

Ajuntament de Barcelona

Diputació de Barcelona

Generalitat de Catalunya
Departament de Medi Ambient i Habitatge

Ecologia i Desenvolupament Sostenible

Enginyeria 150

Inici - Engineering Education for Sustainable Development - Observatory - Microsoft Internet Explorer

Adreça <https://www.upc.edu/eesd-observatory/>

Engineering Education for Sustainable Development Observatory

LOG IN I can't log in

Login Name Password

About

EESD Conferences

News & Publications

Database

Education for sustainable development

- respecting, valuing
- appreciating the work of others
- living in a world where resources are limited
- assessing, caring for and protecting the environment
- creating and enjoying quality of life
- being caring citizens globally

News

SURVEY: Deadline extended
2008-02-25

1st Observatory Report
2008-02-01

JUST RELEASED! New
2007-11-09

The Observatory

Status of engineering education for sustainable development in European higher education, 2006.



THE ALLIANCE FOR GLOBAL SUSTAINABILITY

Survey

CHALMERS

TU Delft

AGS
The Alliance for Global Sustainability

Observatory Sign in

© UPC, Technical University of Catalonia
EESD - Observatory
About this web.

Inicia

Didac Ferrer ...

Internet ...

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Fellowship%...

Microsoft ...

Microsoft ...

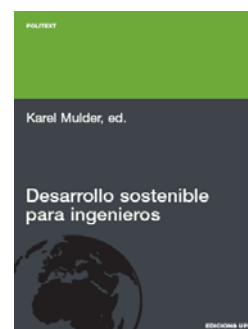
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Education for Sustainability within UPC studies

- New Masters in Sustainable Development
 - Interdisciplinary, Multispecialization (Started 2007)
- Integration of SD in new Bachelors curricula
 - Sustainability as a compulsory transversal competence for all Bachelors (Decision 2008; Implementation 2010)

Activities & Strategies

- Declaration of Sustainability (Feb 08)
 - www.upc.edu/sostenible2015
- STEP 2015 Program (Feb 08)
 - Support for teaching staff
- Publications
 - SD for Engineers (K. Mulder)
- Resources portal (Nov 07)
- Conferences & Networking





Lessons learnt

- Sustainability is no-one's domain, but everyone's.
- We need multiple approaches and "interfacial & connection units" with society
- An 'integral' approach is fundamental
- Sustainability needs to be practical, shown, counted!
- Sustainability has become today a strategic option for UPC. Not only because an ethical will, but also because it is a driver for innovation and triggers us to become more relevant to society

español català

EMSU 2008



A new knowledge culture

Universities facing global changes for sustainability
International Conference, Barcelona, 15-17 October 2008

Important conference dates [more...]

Complexity of sustainable development in urbanized environments [more...]

Sustainable production and consumption in the curriculum [more...]

Learning to face climate change and resource scarcity [more...]

Governance and changing responsibilities needed to build a sustainable future [more...]

Registration is open

- home
- basic info
- blog
- survey
- sign up
- contributions
- nodes

search...

5th EMSU Conference, Environmental Management for Sustainable Universities. 2008@emsu.org



www.emsu.org

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Thank you!

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Let's be Sustainable 2016

Contact the Centre for Sustainability

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