Where is UPC?

- 30,000 students
- 4,000 staff (ac+adm)
- 9 campus sites
- 15 schools/faculties
- 40 departments
- Technical disciplines
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
**What are our key areas?**

A. Engagement and social interaction
   - The Research activity of UPC responds to social needs through the integration of SD criteria.

B. Research
   - UPC participates and commits itself with the challenges of its local, regional and international environment.

C. Education
   - Every UPC graduated applies sustainability criteria in his professional activity and in his influence area.

D. Internal Management
   - 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)

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/eess-observatory
  – Alliance for Global Sustainability
CURRENT KEY PROJECTS (2008)

A. Engagement and social interaction

B. Research

C. Education

D. Internal Management

New Masters & PhD in Sustainability (2007+)

Regional Center of Expertise (RCE-Barcelona) on Learning for Sustainable Development

New BOLOGNA Bachelor: Compulsory SD courses for ALL students + diffuse embedding

EMAS implementation in 2 campus

New portal www.upc.edu/Sustainable2015

AGS Annual meeting 2007

UPCO2 program (energy efficiency)

Campus management:
UPCO2 Program
EMAS Implementation

UPCO2

EMAS
UPCO2 Program

%CO2

m2 students

%adm staff

%acad staff

Kyoto – Spain (117%)

Strategic Components of the UPCO2 Program

Investments in Facilities

Information System

Coordination

Management

Innovation

Comunication & awareness

Pla UPC sostenible 2015

Policies

Mesures convenients

SIRENA

CITIES / Programa UPCO2

Policies

Coordination

Innovation

Comunication & awareness

Information System

SIRENA

CITIES / Programa UPCO2

Policies

Coordination

Innovation

Comunication & awareness

Information System

SIRENA

CITIES / Programa UPCO2

Policies

Coordination

Innovation

Comunication & awareness

Information System

SIRENA

CITIES / Programa UPCO2
Pilot project at ETSAV
Architecture School
Evolution of emissions associated to Gas consumption or the ETSAV building (Kg CO₂/m²)

- 9.5 kgCO₂/m² saved (-41%)

**Other key Projects**
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
Thank you!
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