FEUP’s Path Towards Sustainability

Ana Carla Madeira
2022 ISCN Conference
09/06/2022
OVERVIEW

➢ FEUP - SHORT DESCRIPTION

➢ FEUP IN FIGURES

➢ FEUP - A SUSTAINABLE HIGHER EDUCATION INSTITUTION - YEAR ZERO - 2006

➢ STRATEGY FOR A MORE SUSTAINABLE FEUP

➢ INITIATIVES
FEUP - SHORT DESCRIPTION
PORTO @ PORTUGAL

Porto
FEUP - SHORT DESCRIPTION
Faculty of Engineering – University of Porto
New buildings since 2000
FEUP in Figures

- ~8,500 students (~1/3 female)
- ~1,300 staff: teaching staff, researchers, research fellows and non-academic staff (1/3 female)
- 9 Departments
- Campus area: 94,000 m²
- Green area: 23,000 m²
<table>
<thead>
<tr>
<th>Internal dimensions</th>
<th>Sub-dimensions</th>
<th>Sustainability dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Social $i = 1, \ldots, I$</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$S_i$</td>
</tr>
<tr>
<td>Governance</td>
<td></td>
<td>$p^1_{S_i}$</td>
</tr>
<tr>
<td>Academic community</td>
<td>Students</td>
<td>$p^2_{S_i}$</td>
</tr>
<tr>
<td></td>
<td>Staff</td>
<td>$p^3_{S_i}$</td>
</tr>
<tr>
<td>Operations</td>
<td></td>
<td>$p^4_{S_i}$</td>
</tr>
<tr>
<td>Education</td>
<td>Access to the HEI</td>
<td>$p^5_{S_i}$</td>
</tr>
<tr>
<td></td>
<td>Student’s performance</td>
<td>$p^6_{S_i}$</td>
</tr>
<tr>
<td></td>
<td>Continuing education</td>
<td>$p^7_{S_i}$</td>
</tr>
<tr>
<td></td>
<td>Curricula</td>
<td>$p^8_{S_i}$</td>
</tr>
<tr>
<td></td>
<td>Quality of programs with sustainability contents</td>
<td>$p^9_{S_i}$</td>
</tr>
<tr>
<td></td>
<td>Employability</td>
<td>$p^{10}_{S_i}$</td>
</tr>
<tr>
<td>Research</td>
<td>Research projects</td>
<td>$p^{11}_{S_i}$</td>
</tr>
<tr>
<td></td>
<td>Publications</td>
<td>$p^{12}_{S_i}$</td>
</tr>
<tr>
<td></td>
<td>Academic community performing research in sustainability subjects</td>
<td>$p^{13}_{S_i}$</td>
</tr>
<tr>
<td>Impact on the community</td>
<td></td>
<td>$p^{14}_{S_i}$</td>
</tr>
<tr>
<td>Internal dimensions</td>
<td>Sub-dimensions</td>
<td>Sustainability dimensions</td>
</tr>
<tr>
<td>---------------------</td>
<td>----------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Social</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Diversity and equal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>opportunities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Workplace conditions</td>
</tr>
<tr>
<td>Academic community</td>
<td>Students</td>
<td>$I_{S1}^2$</td>
</tr>
<tr>
<td></td>
<td>Staff</td>
<td>$I_{S1}^3$</td>
</tr>
<tr>
<td>Operations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>Curricula</td>
<td>$I_{S_1}^8$</td>
</tr>
<tr>
<td>Impact on the</td>
<td></td>
<td>$I_{S_2}^8$</td>
</tr>
<tr>
<td>community</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
FEUP - A SUSTAINABLE HIGHER EDUCATION INSTITUTION - YEAR ZERO - 2006

2006
Sustainability Report

2012
FEUP and Sustainability Website

2015

2019

2020

2022
Dia 4 de Março comemora-se o Dia Mundial da Engenh

Inspirar uma cultura de sustentabilidade, contribuindo para uma sociedade melhor, através da incorporação dos princípios do desenvolvimento sustentável, i.e., um desenvolvimento que satisfaz as necessidades presentes sem comprometer a capacidade das gerações futuras satisfazerem as suas próprias necessidades, nos processos de decisão da Faculdade de Engenharia da U.Porto (FEUP) é a missão do Comissariado para a Sustentabilidade.

A estratégia para a sustentabilidade da FEUP encontra-se alinhada com os 17 objetivos do Desenvolvimento Sustentável para 2030 da Organização das Nações Unidas.
Mission: To Contribute for a better society, through the integration of the sustainable development principles into decision-making processes by reflecting in its operations and core activities.
FEUP - A SUSTAINABLE HIGHER EDUCATION INSTITUTION - YEAR ZERO - 2006

- 2006: Sustainability Report
- 2012: FEUP and Sustainability Website
- 2015: Sustainability Committee
- 2019: CCS2019
- 2020
- 2022
FEUP - A SUSTAINABLE HIGHER EDUCATION INSTITUTION - YEAR ZERO - 2006

- **2006**: Sustainability Report
- **2012**: FEUP and Sustainability Website
- **2015**: Sustainability Committee
- **2019**: Portuguese Pact for Plastics
- **2020**
- **2022**
Faculdade de Engenharia integra Pacto Português para os Plásticos

06.02.20 Por Helena Peixoto / FEUP

Iniciativa apoiada pelo Governo pretende criar "uma plataforma colaborativa e de inovação" que incentive a transição dos plásticos para uma economia circular.
FEUP - A SUSTAINABLE HIGHER EDUCATION INSTITUTION - YEAR ZERO - 2006

- 2006: Sustainability Report
- 2012: FEUP and Sustainability Website
- 2015: Sustainability Committee
- 2019: Portuguese Pact Plastics
- 2020: Project ESD @ FEUP
PROJECT ESD@FEUP

- To provide students with the competencies for including in their current and future practices, the actions and measures based on environmental, social and economic challenges

- To consolidate a culture of sustainability at FEUP

The project will last for 3 years
Strategy Towards a More Sustainable FEUP

Strategic Themes
INITIATIVES AT FEUP - ACADEMIC COMMUNITY

To Promote a Culture of Sustainability in the Daily Life of the Community

http://ideiassustentaveis.fe.up.pt/
https://www.youtube.com/watch?v=JuiZn0cD8O4&feature=youtu.be
INITIATIVES AT FEUP - ACADEMIC COMMUNITY

To Promote a Culture of Sustainability in the Daily Life of the Community
INITIATIVES AT FEUP - SUSTAINABLE CAMPUS

Shared Printers

Most of procedures are accomplished through the information system

Replacement of current lighting devices with LEDs

Rainwater harvesting for irrigation

Installation of photovoltaic panels for the production of electricity for self-consumption.

Recycling bins located in several locations of FEUP

Green area
INITIATIVES AT FEUP - SUSTAINABLE CAMPUS

To Promote the Use of Reusable Products
CONCLUSIONS

➢ Higher Education Institutions must inspire a ‘Sustainability Culture’

➢ FEUP has already implemented several activities contributing for sustainable development

➢ Why is so important to report:

➢ Diagnosis?

➢ Assessment?

➢ Benchmarking?

➢ Marketing?

➢ Engage the stakeholders?
THANKS FOR YOUR ATTENTION!
anacarla@fe.up.pt