


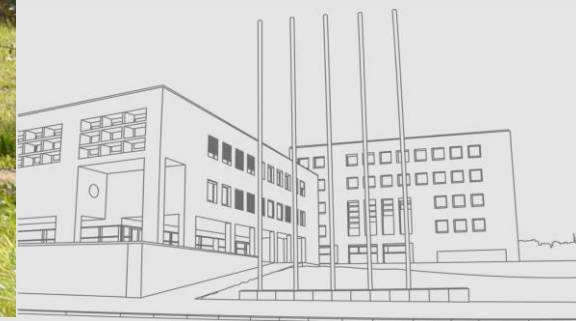
# FEUP's Path Towards Sustainability

Ana Carla Madeira

2022 ISCN Conference  
09/06/2022

**U. PORTO**  
**FEUP** FACULDADE DE ENGENHARIA  
UNIVERSIDADE DO PORTO

 **COMISSARIADO PARA  
A SUSTENTABILIDADE**  
**FEUP** FACULDADE DE ENGENHARIA  
UNIVERSIDADE DO PORTO





# OVERVIEW

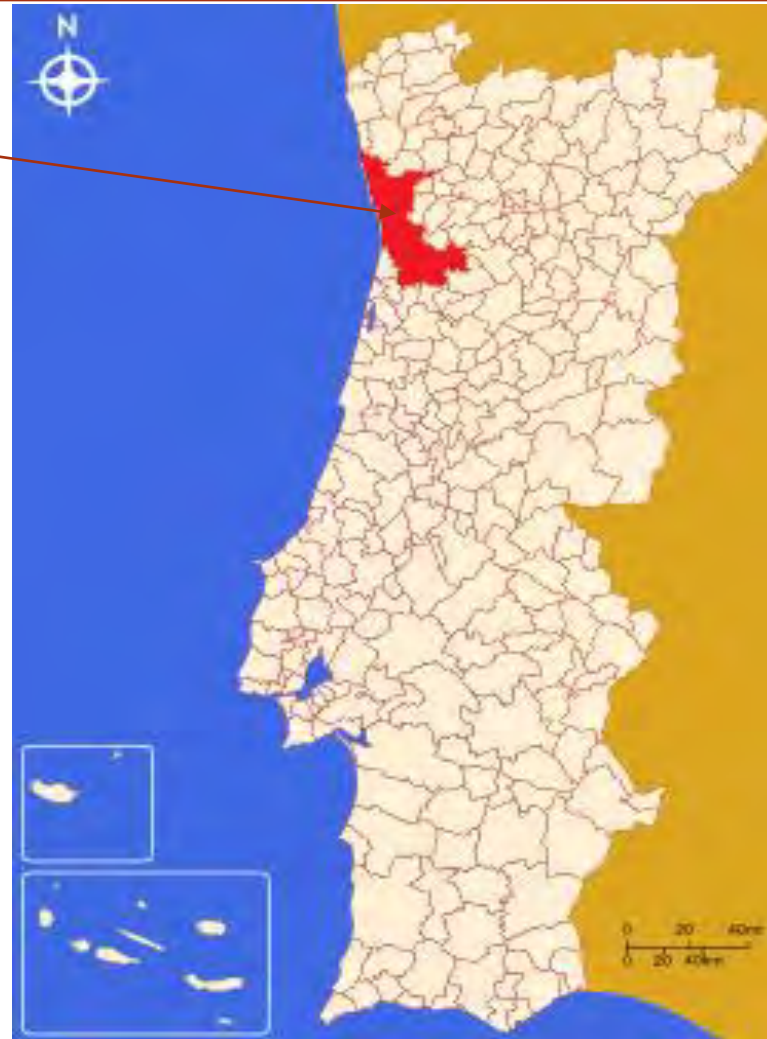
---

- 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

---



© 2012 - Francisco Piqueiro  
www.FotoEngenho.pt - piqueiro@gmail.com

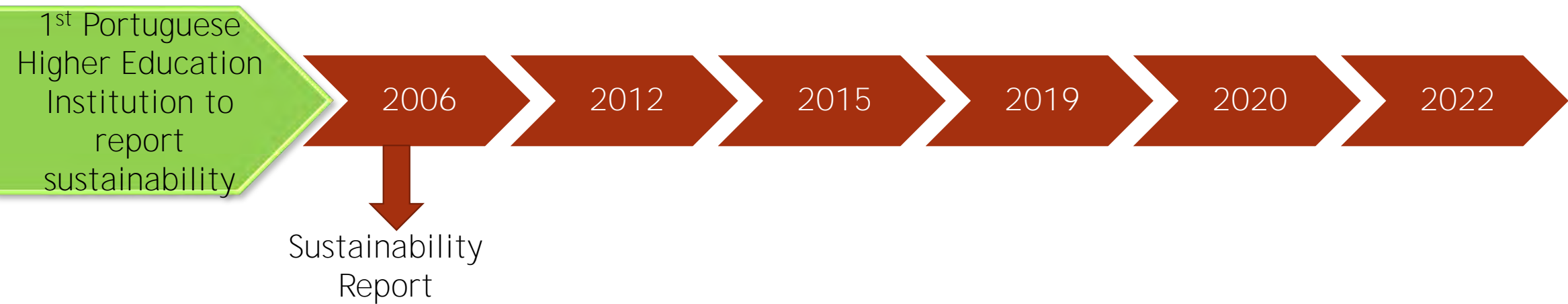


# FEUP IN FIGURES

- ~ 8 500 students  
(~ 1/3 female)
- ~ 1300 staff: teaching staff, researchers, research fellows and non-academic staff  
(1/3 female)
- 9 Departments
- Campus area: 94 000 m<sup>2</sup>
- Green area: 23 000 m<sup>2</sup>



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



**Table 1** Matrix for the selection of SD indicators (the bold crossings are those used in the case-study)

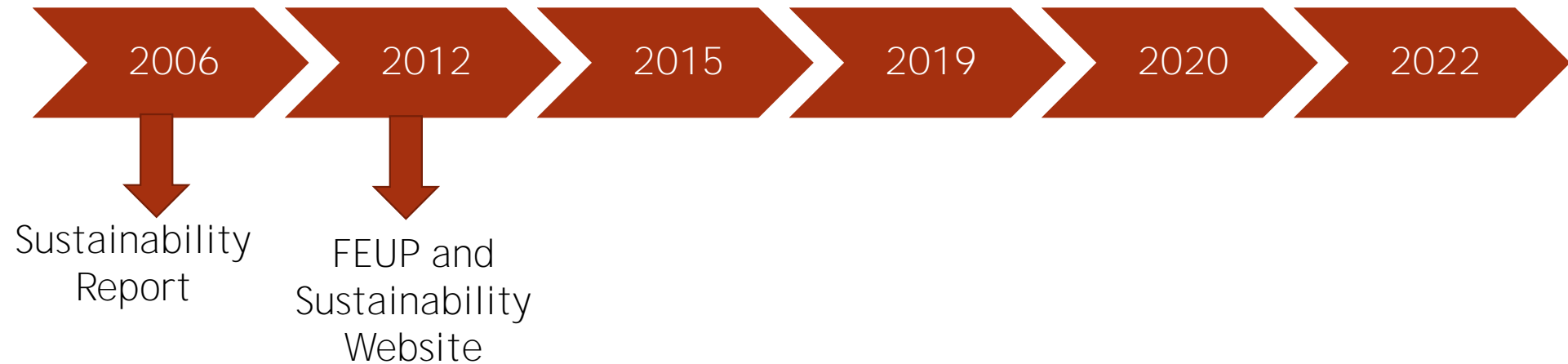
Internal dimensions	Sub-dimensions	Sustainability dimensions		
		Social $i = 1, \dots, I$	Environmental $j = 1, \dots, J$	Economic $k = 1, \dots, K$
		$S_i$	$E_j$	$EC_k$
Governance		$I_{S_i}^1$	$I_{E_j}^1$	$I_{EC_k}^1$
Academic community	Students	$I_{S_i}^2$	$I_{E_j}^2$	$I_{EC_k}^2$
	Staff	$I_{S_i}^3$	$I_{E_j}^3$	$I_{EC_k}^3$
Operations		$I_{S_i}^4$	$I_{E_j}^4$	$I_{EC_k}^4$
Education	Access to the HEI	$I_{S_i}^5$	$I_{E_j}^5$	$I_{EC_k}^5$
	Student's performance	$I_{S_i}^6$	$I_{E_j}^6$	$I_{EC_k}^6$
	Continuing education	$I_{S_i}^7$	$I_{E_j}^7$	$I_{EC_k}^7$
	Curricula	$I_{S_i}^8$	$I_{E_j}^8$	$I_{EC_k}^8$
	Quality of programs with sustainability contents	$I_{S_i}^9$	$I_{E_j}^9$	$I_{EC_k}^9$
	Employability	$I_{S_i}^{10}$	$I_{E_j}^{10}$	$I_{EC_k}^{10}$
Research	Research projects	$I_{S_i}^{11}$	$I_{E_j}^{11}$	$I_{EC_k}^{11}$
	Publications	$I_{S_i}^{12}$	$I_{E_j}^{12}$	$I_{EC_k}^{12}$
	Academic community performing research in sustainability subjects	$I_{S_i}^{13}$	$I_{E_j}^{13}$	$I_{EC_k}^{13}$
Impact on the community		$I_{S_i}^{14}$	$I_{E_j}^{14}$	$I_{EC_k}^{14}$

**Table 2** Dimensions and sub-dimensions selected for sustainability reporting

Internal dimensions	Sub-dimensions	Sustainability dimensions					
		Social		Environmental		Economic	
		Diversity and equal opportunities	Workplace conditions	Resources consumption	Emissions	Internal performance	Economic Development
Academic community	Students	$I_{S_1}^2$					
	Staff	$I_{S_1}^3$	$I_{S_2}^3$				
Operations				$I_{E_1}^4$	$I_{E_2}^4$		
Education	Curricula	$I_{S_1}^8$	$I_{S_2}^8$	$I_{E_1}^8$	$I_{E_2}^8$	$I_{EC_1}^8$	$I_{EC_2}^8$
Impact on the community							$I_{EC_1}^{14}$



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



# 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.





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

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









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





# 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.



## ÚLTIMAS NOTÍCIAS

INESC TEC lança *podcast* mensal sobre ciência e tecnologia

há 5 horas

"Porto de Emprego" regressa à cidade com 400 oportunidades de emprego

29.02.20

Documentários "proibidos" em exibição na Casa Comum

28.02.20

Projeto nascido na FADEUP

Política Cookies e privacidade de dados

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



# 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



**REGULAMENTO PARA ATRIBUIÇÃO DO PRÉMIO 'Mais Ideias  
Sustentáveis' da FEUP 2016**

**+ IS** | mais ideias  
sustentáveis

<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



Rainwater harvesting for irrigation



Replacement of current lighting devices with LEDs

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



Green area



Recycling bins located in several locations of FEUP

# 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?



Dia Mundial do Ambiente

# PARTICIPA NOS JOGOS DA RECICLAGEM E ODS

3 de junho 2022

12h00 - 16h00. Relvado central da FEUP

## E HABILITA-TE A PRÉMIOS



THANKS FOR YOUR ATTENTION!

[anacarla@fe.up.pt](mailto:anacarla@fe.up.pt)