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Instituto de Recursos e
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IRICUP

E-Learning@UP: from 1999-2006

Implementing e-learning at a traditional University

Maria Pinto
Universidade do Porto

EQIBELT
March 3rd, Dubrovnik, Croatia



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Universidade do Porto



- Traditional University
 - Public
 - Founded in 1911
 - T&L and R&D
 - 2 000 members of Faculty
 - 27 000 students
 - 15 schools
- Different scientific areas
- 3 Campus

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<http://www.irc.up.pt/>

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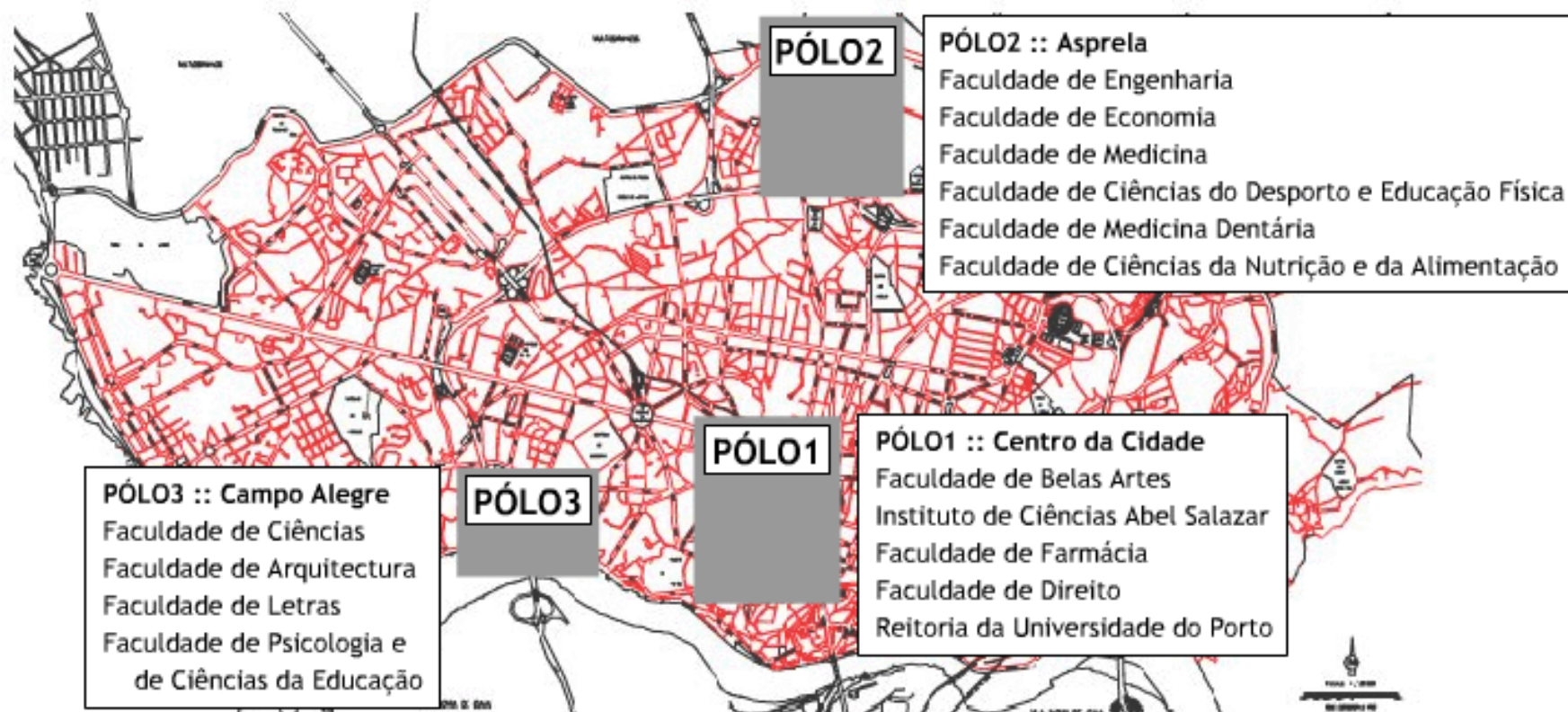


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Campus Distribution



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IRICUP :: Linking UP since 2002

- Institute of Common Initiatives and Resources
 - minimizing the geographical dispersion
 - reinforce cohesion among the institution
 - improvement of the communication and collaborations structures
 - Promotion of initiatives with a collaborative approach
 - encouragement of sharing of different resources

It aims to promote the active cooperation of all agents of UP in education, training, research and global development towards levels of excellence. It also intends to be an agent for innovation, creativity and change for the whole academic community and the involving society.





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IRICUP: four areas of activity

- Culture, sports and leisure
- Multidisciplinary training
- Interdisciplinary Research and Development
- Digital University
 - Technological Infrastructures
 - UP network, data centres
 - Information Systems
 - Support for users in the use of ICT in the Teaching/Learning Process - **GATIUP**





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E-learning@UP :: early years

HIGH
pedagogical
concerns

LOW
technical
use of
eLearning

- 1999-2000
 - Experimental office - dedicated to investigate ICT and distance learning
 - Needs Assessment - meetings in all 15 faculties (with technical departments)
 - Testing of different e-learning platforms - WebCT/ Blackboard/ Luvit/ Formare
 - Internal evaluation of ICT usage by teachers in T&L





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E-learning@UP :: early years

HIGH
pedagogical
concerns

- 2000 - 2001
 - Adoption of an e-learning platform – WebCT 3.0
 - Few disciplines with a blended-learning approach
 - Strict model was used
 - Low level of sophistication

LOW
technical
use of
eLearning





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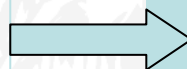
ICT and e-learning at UP (2001)

EVALUATION

- Internal evaluation of ICT implementation in each of the 15 schools of UP (2000)
- European University Association: “Formative Evaluation of the University Strategy for New Technologies in Teaching and Learning”.

RESULTS

- the schools were in very different stages of development
- most of the schools lacked a structured approach to the ICT
- the University lacked technological infrastructures.



The need of a well define University strategies on ICT





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E-learning@UP :: early years II

**HIGH
Investment**

Training
Dissemination
Support

LOW
technical
use of
eLearning

- 2001-2002
 - More courses on-line
 - Complex materials
 - Freedom
 - Pedagogical training
 - Technical training
 - International Projects
- Still low involvement
- Difficult dissemination
- Difficult implementation (technical issues)





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E-learning@UP :: IRICUP

HIGH Investment

Technical
Logistical
Support
Strategy
Dissemination

MEDIUM
technical
use of
eLearning

- 2002/2003
 - Integration of GAEDIST in IRICUP (GATIUP)
 - Technological improvement (Network and IS)
 - University Strategy
 - Involvement of decision-makers
 - More complex materials
 - More sophisticated courses
 - Total freedom
 - Pedagogical training
 - Technical training
 - International Projects
- PROJECT APPROACH (new strategy)
 - Structured dissemination
 - Structured implementation (Campus level)

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HIGH
technical
use of
eLearning

HIGH
Investment

Technical
Logistical
Support
Strategy
Dissemination

E-learning@UP :: IRICUP

- 2003/2004

Implementation of the e-LearningUP Project

Aim of the project – **Promote the use of ICT (Internet) in the Education process.**

- Project promotion
- Project implementation
- Project dissemination
- Project evaluation





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E-learningUP :: step by step

Promotion

Implementation

Dissemination

Evaluation

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PROMOTION

- Informative/clarifying sessions
- Involve the schools administrators
- Additional motivation:
 - Face-to-face training sessions:
 - “Building Web Pages” - Front Page
 - “Improving images for the web”
 - “Using eLearning platforms”
 - “New Technologies in Education”-
Pedagogical aspects





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IMPLEMENTATION

Develop & Use an on-line component

- Individually guided –
 - Choose the platform  WebCT  Luvit
 - Pedagogical strategy
 - Development of more complex LO
- Periodical meeting
- Training as needed
- Sessions for students



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IMPLEMENTATION / DEVELOPMENT

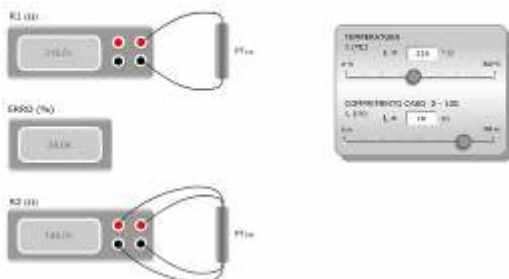
Course implementation

- Structure
- Pedagogical approach
- Student support
- etc

Course materials

- Simulations
- Animation
- Quizzes
- Text

Medição da resistência de um RTD usando os métodos de 2 ou 4 condutores
Erro associado à determinação da temperatura



Desenvolvimento dos Estados Imaturos:
Traça da uva
Lobesia botrana

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DISSEMINATION

- Workshop
- Written Publication - compilation of case studies
- CD-ROM
- Website describing the project, outputs and results
- Participation in conferences: National and International

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EVALUATION

Success of this project & the value of e-learning

The evaluation process included:

- Definition of an evaluation methodology
- Evaluation of the e-learning platforms by the different types of users
- Evaluation of the learning process
- Evaluation of the on-line component by the students
- Global evaluation using case-study analysis



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EVALUATION

- Student's questionnaire
- Teacher's questionnaire
- Quantitative information given by the platforms
- Qualitative analysis of results and strategies



**Pedagogical Improvement
Platform Evaluation**



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What changed?

TECHNOLOGY

SIGARRA: Information System of the
University

- Improvement of Network at Campus
- Campus License of Software
- Wireless on campus
- B-on: Online libraries
- e-U project
- Universia Computer Labs
- Training room at the Rectory
- E-learning portal

OTHER

- Teachers talking about e-learning
 - “Snow-ball effect”
- E-learning awareness
- External funding
- Students pressing
- Some pedagogical recognition
 - School level
 - University level

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Excellence for E-learning

- Annual Award of Excellence for E-learning
- Prize for the best online course = 5000€
 - Increase motivation
 - Distinguish the professors who get involved with e-learning

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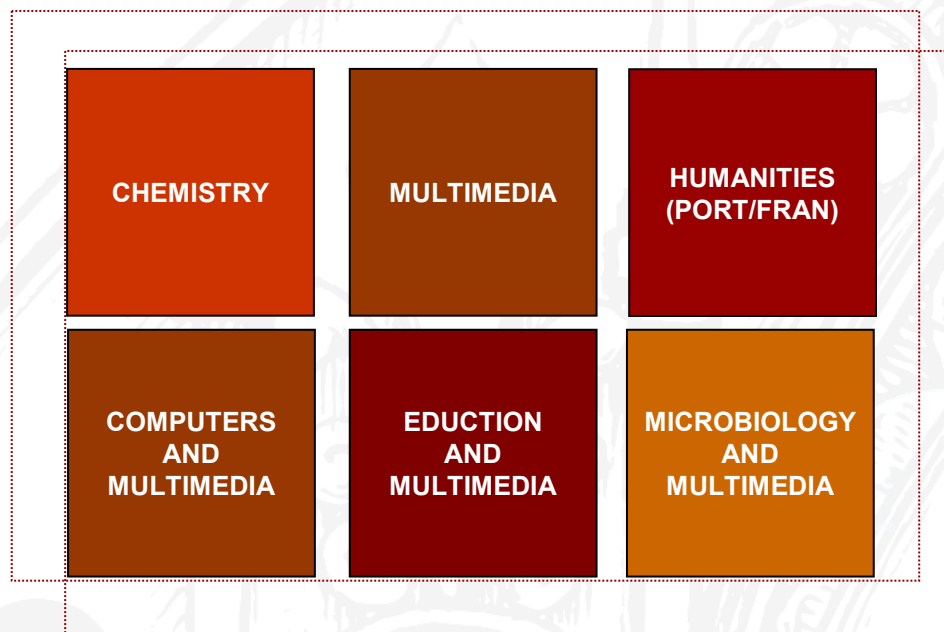


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GATIUP::TEAM



MULTIDISCIPLINARY

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The Office of Faculty Support for the use of ICT

- Pedagogical and Technical support to the teaching staff for the use of New Technologies in Education
- Promote e-learning, b-learning
- Development of multimedia products and on-line materials for students
- Workshops and training
- Helpdesk

Improve Quality Education

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E-learning@UP :: IRICUP

72 new Teachers
65 new courses

HIGH
technical
use of
eLearning

HIGH
Investment

Technical
Logistical
Support
Strategy
Dissemination

2004/2005

- Interest in e-learning growing due to the former success - 313%
- Technological improvement (Network and IS)
- Reaffirmed University Strategy
- Involvement of decision-makers

- Project Continuity
- More complex materials
- More training

- Webct Vista Install and pilot project





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E-learning@UP :: IRICUP

HIGH
technical
use of
eLearning

Structer
usage of the
on-line
materials

HIGH
Investment

Technical
Logistical
Support
Strategy
Dissemination

2005/2006

- Quality Infrastructures
- More interaction with technical office
- More facilities **Video Conference room & e-learning café.**
- New strategies in the promotion stage
- Bigger involvement in the workshop
 - More motivated teachers
- Integration of 2 people in the team



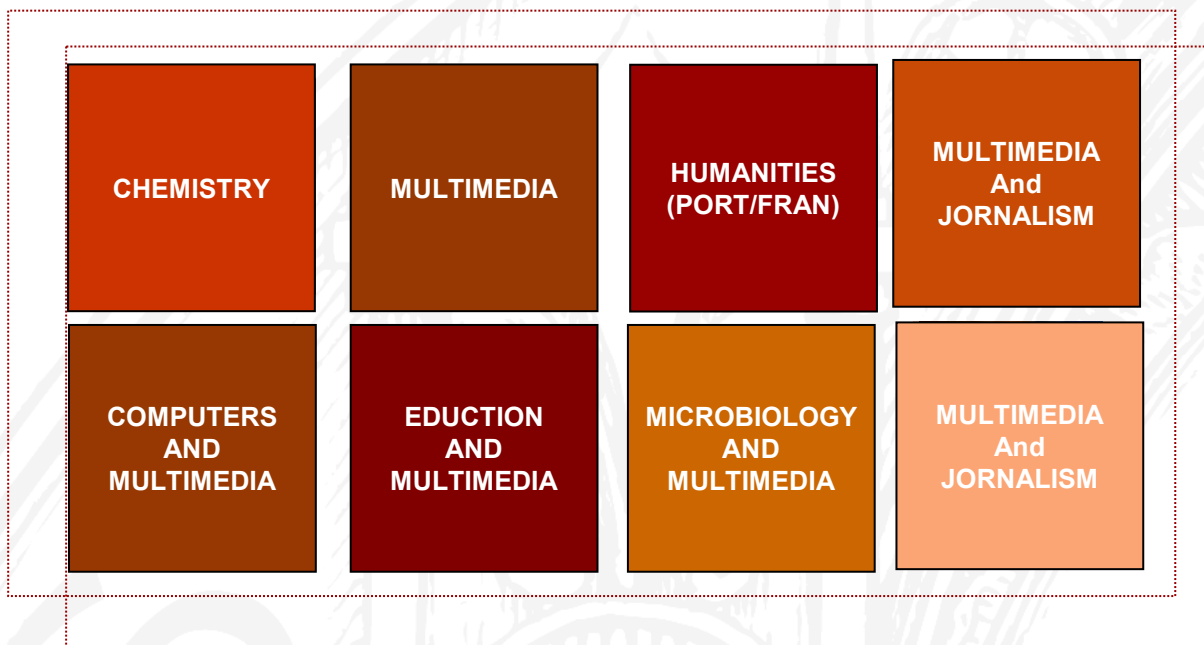


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E-learning@UP 05/06

- The e-learning project follows the same steps.
- Systematic aspects are taken in account:
 - The process of evaluating e-learning
 - Creating a on-line repository
 - Examples of good practices **
 - Interactivity between different teachers
 - Process of evaluation platforms





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E-Learning@UPorto

	E-learning 03 04	E-learning 04 05	E-learning 05 06
Schools participating	7	14	12
Courses	20	65	102
Annual	11	31	54
First semestre	9	34	22
Second semestre	3	2	26
Continue Ed	-	-	12
quit	1	11	-
Teachers	23	72	108
Students	927	4257	18028
E-Learning Platforms	webCT CE Luvit	webCT CE webCT Vista Luvit	webCT Vista (moodle)
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Portal eLearning



Você está em: Início > Início

INÍCIO

NOTÍCIAS

eLEARNING UP

PLATAFORMAS

FORMAÇÃO

DOCUMENTAÇÃO

REPOSITÓRIO

GATIUP

AJUDA

eLEARNING.UP



e-Learning 2005-2006

Posto fim ao projecto do ano anterior, e face ao sucesso alcançado, o IRICUP renova os seus objectivos para 2005/2006 no âmbito da dinamização da utilização das Tecnologias da Informação e Comunicação no processo de Ensino/Aprendizagem, através da criação das disciplinas on-line... [\[+ info\]](#)

E-learning UP

- 2005/2006
- 2004/2005
- 2003/2004

- Prémio Excelência UP
- Outros Prémios

Comunicação

- Pessoal
- Contactos
- Livro de Visitas

WebCT Vista

LUVIT



e-Learning 2004-2005

Após o sucesso do projecto anterior o IRICUP manteve o objectivo de continuar a dinamizar a utilização das Tecnologias da Informação e Comunicação no processo de Ensino/Aprendizagem, através da criação de uma componente on-line... [\[+ info\]](#)

e-Learning 2003-2004

Projecto promovido pelo IRICUP, em 2003, com o objectivo de dinamizar a utilização das Tecnologias da Informação e Comunicação, em particular da Internet, no processo de Ensino/Aprendizagem, através da criação de uma componente online... [\[+ info\]](#)

Autenticação

Utilizador:

Senha:

validar

Você está em: Início > Início

- INÍCIO
- NOTÍCIAS
- eLEARNING_UP
- PLATAFORMAS
- FORMAÇÃO
- DOCUMENTAÇÃO
- REPOSITÓRIO
- GATIUP
- AJUDA



Autenticação

Utilizador:

Senha:

validar

AJUDA



Tutoriais

Para obter um bom desempenho na utilização das plataformas de e-learning disponibilizadas pela UPorto, o GATIUP disponibiliza aqui um conjunto de tutoriais de apoio aos docentes.

Professores:

Upload de Conteúdos para o Vista
PDF de 382KB. [\[ver\]](#)

Demos de utilização WebCT Vista
HTML/SWF. [\[Ver\]](#)

Manual WebCT Vista - Interface (Nível I)
MS Word de 1519KB. [\[ver\]](#)

Manual WebCT Vista - Gestão de Ficheiros (Nível I)
MS Word de 5233KB. [\[ver\]](#)

Manual WebCT Vista - Comunicação (Nível I)
MS Word de 679KB. [\[ver\]](#)

Manual Luvit (Nível 1)
HTML. [\[Ver\]](#)

Manual Luvit (Nível 1) para impressão
MS Word de 152KB. [\[ver\]](#)

Alunos:

Consulta de classificações (Assessments)
SWF de 343KB. [\[ver\]](#)

Submissão de avaliações (Assessments)
SWF de 532KB. [\[ver\]](#)

Alteração de Trabalhos (Assignments)
PDF de 769KB. [\[ver\]](#)

Entrega de Trabalhos (Assignments)
SWF de 1300KB. [\[ver\]](#)

Acesso ao Webct Vista através do sistema Sigarra
SWF de 769KB. [\[Ver\]](#)

Ajuda

- Tutoriais
- FAQ's

Comunicação

- Pessoal
- Contactos
- Livro de Visitas



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E-learning@UP

Important aspects for the project success

- Overcome the fear of “Change”
- Pedagogical support, by a multidisciplinary team
- Facility to do more elaborate materials
- Equipment hardware/ software support
- University recognition

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THANK YOU

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