

SUMMARY

1. Transition to Moodle
2. Modifications in Moodle
3. The experience with Moodle
4. Future

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OCT 98 – NOW

- FCUP developed an application to assist lectures by providing learning resources to students
- it was integrated with the information system of the Faculty (“InfoCiências”)
- it included all modules from all undergraduated and postgraduated courses

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THE OLD ANW

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STATISTICS

| YEAR | SITE VISITS | STORAGE (MB) |
|-----------|-------------|--------------|
| 1999-2000 | 2544 | 22 |
| 2000-2001 | 9495 | 77 |
| 2001-2002 | 52002 | 260 |
| 2002-2003 | 178107 | 1300 |
| 2003-2004 | 268342 | 2700 |
| 2004-2005 | 455054 | 5600 |
| 2005-2006 | 143590 | 3600 |

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DRAWBACKS

However,

- it did not follow e-learning standards;
- there were many requests for improvements in its functionality and user interface;
- we faced the question on whether to improve the system or adopt and adapt an open source e-learning platform.

We adopted Moodle

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[transition to moodle]



DECISION FOR MOODLE

mainly because:

- it is open source;
- it runs on Linux and on MySQL, resources that we also use in our information system;
- we can modify it and contribute with modules;
- it follows some standards

we wanted to start with Moodle as a platform to support presential lectures and later on use it also for distance-learning courses

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[transition to moodle]



INTEGRATING MOODLE WITH INFOCIÊNCIAS

- **setup** for a new academic year:
 - all **modules** had to be created automatically
 - all **lecturers** had to be added accordingly to schedule provided by the Departments
 - all **students** had to be subscribed in modules for which they had registered
 - need to **group some modules** in one entity in Moodle

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INTEGRATING MOODLE WITH INFOCIÊNCIAS (2)

- **adapt** Moodle:
 - all modules use the Moodle's **social format** which is adapted to a template previously defined
 - use **adapted activities**
 - create **new activities and resources**
 - create **new administration tools**

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[transition to moodle]



AUTOMATING THE SETUP

- Creation of scripts to **automate** the:
 - transfer documents from the previous system
 - transfer lecturers, students, modules and courses from infoCiências into Moodle
 - update and synchronize the system periodically
 - add new features
 - replace some other features

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[transition to moodle]



SEP 05 - DEZ 05

- Moodle is in use with volunteer lecturers
- the idea was to test the system
- get feedback from users
- improve it so that we could start using Moodle in the 2nd semester for all courses and modules at FCUP

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JAN 06 - NOW

- General usage of the system by lecturers during semester Jan 06 - Jul 06
- Update of the Moodle version, from 1.4 to 1.6
- Major updates on the scripts
- Better separation of Moodle and FCUP's code
- New modules

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MAIN SCREEN

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AUTHENTICATION

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THE INTERFACE

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SHARE ADMINISTRATION

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SUMMARIES

Sumários :: Preencher

Preparação para a Actividade Docente (L-CC)

NOTA: Para visualizar um sumário, clique na data do sumário.

Lista Sumários

| Data | Preço |
|------------|-------|
| 2005-11-30 | |
| 2005-11-23 | |
| 2005-11-09 | |
| 2005-11-02 | |
| 2005-10-26 | |
| 2005-10-12 | |
| 2005-09-28 | |
| 2005-09-21 | |

Sumários :: Preencher

Preparação para a Actividade Docente (L-CC)

NOTA: Para visualizar um sumário preenchido, clique na data do sumário.

Lista Sumários

| Data | Precchidos | Tipo | Editar | Apagar | Citação |
|------------|------------|------|--------|--------|---------|
| 2005-11-30 | ✓ | T | ✎ | ✖ | Docente |
| 2005-11-23 | ✓ | T | ✎ | ✖ | Docente |

Sumário: Sessão de apresentações do alunos trabalhadores-estudantes (4 alunos - 20 minutos cada). Discussão e análise sobre a forma e conteúdo das apresentações.

Criado em: 2005-12-01 15:38:39 / Atualizado em: 2005-12-01 15:38:39 / Atualizado por: sfquei

| | | | | | |
|------------|---|---|---|---|---------|
| 2005-11-09 | ✓ | T | ✎ | ✖ | Docente |
| 2005-11-02 | ✓ | T | ✎ | ✖ | Docente |
| 2005-10-26 | ✓ | T | ✎ | ✖ | Docente |
| 2005-10-12 | ✓ | T | ✎ | ✖ | Docente |
| 2005-09-28 | ✓ | T | ✎ | ✖ | Docente |
| 2005-09-21 | ✓ | T | ✎ | ✖ | Docente |

Voltar

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STUDENT VIEW

PT - EN

[Entrar na visão de aluno](#) [Ajuda](#)

Calendário

<< Dezembro 2005 >>

| Dom | Seg | Ter | Qua | Qui | Sex | Sab |
|-----|-----|-----|-----|-----|-----|-----|
| | | | 1 | 2 | 3 | |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

limite de apresentação é o dia 9 de

Estado o Grupo deve contactar o vez que não tiverem a disciplina de resolver o problema.

■ Eventos globais ■ Eventos da disciplina
■ Eventos de grupo ■ Eventos do utilizador

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MODIFICATION OF THE MOODLE FEATURES

Re-implement:

- Quizzes
- Reports
- Backups

Implement

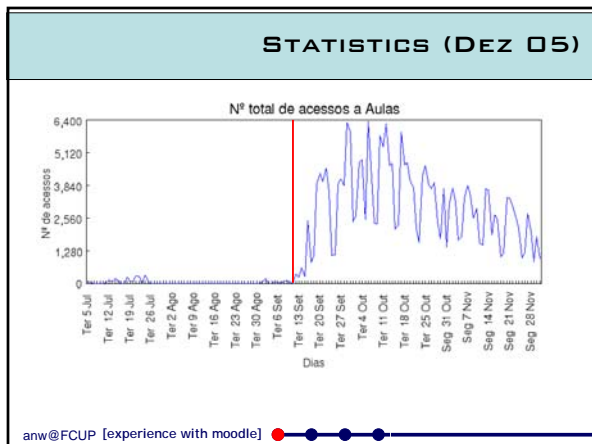
- Summaries
- Share Administration
- View of the Student
- External Access
- Doubts
- ...

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SOME DATA...

- Server with double processor
- 2Gb RAM
- Storage:
 - for the database: 300Mb
 - for the logs: 200Mb
- around 175Mb of uploads
- 282944 visits

Data provided by the system on the 2nd Dec 05

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WHAT DO LECTURERS DO?

- Provide notes, handouts and exercises
- Provide a set of links
- Set quizzes
- Construct and use glossaries
- Use the assignments module

...and ask for help!!

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...AND THE STUDENTS?

- only a small set is using the new system
- some opinions:
 - *"it is a great improvement"*
 - *"simple to use"*
 - *"spectacular"*
 - *"nice to know that FCUP is also in the XXI century"*

Results are encouraging!

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HARDWARE

- Moodle server:
 - Dell PowerEdge 1850
 - Xeon dual processor
 - 4Gb RAM
- Database is kept in the FCUP SAN with integrated backups
 - around 2Tb capacity

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[future]

IN FEBRUARY WE WILL HAVE:

- around 40 undergraduate and postgraduate courses
- around 3500 students
- around 300 lecturers

All served by Moodle!

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