



eunis

International Congress

Dublin, Ireland,

Wed 15th - Fri 17th June 2011



The University of Trás-os-Montes and Alto Douro e-learning shared federated services

- A project report

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Agenda



- * UTAD Information Systems for students
- * UTAD e-learning activities
- * Shared federated services initiatives
- * Shared federated services for e-learning
- * Federation at UTAD
- * E-learning shared federated services at UTAD
- * Future work

UTAD Information Systems for students



- * The University of Trás-os-Montes and Alto Douro (UTAD) has about 8.000 enrolled students.
- * UTAD, provides to students 4 main Information Systems entry points for their daily academic tasks:
 - * Students Portal
 - * Academic Information System
 - * Students Information Support System
 - * E-learning System

UTAD Information Systems for students



- * Students Portal
 - The main objective is to provide to UTAD students information regarding to their daily lives.
 - Cultural activities, congresses, job opportunities and even city bus timetables are provided in the students portal.

The screenshot shows the 'portal dos alunos da utad' website. The main banner features a basketball hoop and the text 'eventos, locais e secções desportivas'. Below the banner, there is a navigation menu with various service categories. The main content area is divided into several sections: 'destaques' (highlights), 'secretaria virtual' (virtual secretary), 'apoio ao ensino' (teaching support), 'informática e wi-fi' (informatics and wi-fi), 'transportes' (transport), 'serviços acção social' (social action services), and 'bibliotecas da utad' (libraries). The right sidebar contains a 'webmail' section and a list of services including 'PÁGINA INICIAL', 'SECRETARIA VIRTUAL', 'APOIO AO ENSINO', 'BIBLIOTECAS', 'MOBILIDADE ACADÉMICA', 'INFORMÁTICA E WI-FI', 'SERVIÇOS DE ACÇÃO SOCIAL', 'TRANSPORTES', 'DESPORTO', 'CULTURA', 'SAÍDAS PROFISSIONAIS', 'ASSOCIAÇÕES ESTUDANTES', and 'SERVIÇOS'. At the bottom, there is a section for 'o portal é teu' (the portal is yours) with a link to 'Envia comentários, notícias ou ideias.' (Send comments, news or ideas).



UTAD Information Systems for students



- * Academic Information System
 - The main objective is to provide to UTAD students information regarding to their academic status.
 - Enrolment status, Graduation status, student fees information and academic notifications.

The screenshot shows the 'SERVIÇOS ACADÉMICOS' website for the Universidade de Trás-os-Montes e Alto Douro. The page features a search bar at the top right with the text 'Pesquisar...'. Below the search bar is a navigation menu with links for 'Início', 'Informação', 'Avisos', 'Maiores 23', and 'Candidaturas 2º e 3º ciclos'. The main content area is titled 'Está em... Início' and contains a section for 'Maiores 23 - 2011/2012' with the text 'Provas Especialmente Adequadas a Avaliar a Capacidade de Maiores de 23 Anos para a frequência na Universidade de Trás-os-Montes e Alto Douro'. Below this is a section for 'Abertura candidaturas' with the heading 'CANDIDATURAS PARA MESTRADOS E DOUTORAMENTOS' and the text 'ANO LECTIVO 2011/2012'. The page also includes a section for 'Próximos eventos' with the text '30.05 - 01.07 Candidaturas 2º e 3º ciclos 2011/12' and a section for 'FASES DE CANDIDATURA' with the following dates: '1ª Fase: 30 de Maio a 1 de Julho', '2ª Fase: 1 a 26 de Agosto', and '3ª Fase: 26 de Setembro a 7 de Outubro'.



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Sistema de Informação de Apoio ao Ensino
Universidade de Trás-os-Montes e Alto Douro

* Students Information Support System - SIDE

- The goal is to provide to UTAD students the main point of contact to their regular learning activities.
- Course timetables, summaries, paper submissions, teachers notes, contacts, examination dates, courses regular information and also academic other notifications.

Licenciaturas

[Doutoramentos](#)
[Licenciaturas](#)
[Mestrados Integrados](#)
[Pós-Grad. / Mestrados](#)
[Formações](#)
[Cursos Arquivados](#)
[Distribuição Serv. Docente](#)
[Contactos](#)



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Arquitectura Paisagista	
Engenharia Agronómica	
Engenharia Florestal	
Engenharia Zootécnica	
Enologia	

Escola de Ciências da Vida e do Ambiente

Bioengenharia	
Biologia	
Biologia e Geologia	
Bioquímica	
Ciência Alimentar	
Ciências do Desporto	
Ecologia Aplicada	
Educação Física e Desporto Escolar	
Engenharia do Ambiente	
Genética e Biotecnologia	
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Matemática	



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* E-learning

- The goal is to provide to UTAD students the main point of contact to the their e-learning activities.
- Summaries, paper submissions, teachers notes, forums, Wikis, contacts and notices to students.

- LMS - Moodle

moodle@utad

Utilizador não identificado (pt)
Português - Portugal (pt)

Menu principal

- Noticias
- O meu moodle
- Forum de Apoio aos Utilizadores MOODLE

Entrar

Nome de utilizador

Senha

Entrar

recuperar senha

Utilizadores activos

(nos últimos 5 minutos)
Nenhum

Servidor Moodle da Universidade de Trás-os-Montes e Alto Douro

Requisição de disciplinas

Para requerer a criação de uma nova disciplina, pt, utilize o seguinte formulário:

Requisição de disciplina

Apelo aos utilizadores de Moodle

Área de apoio aos utilizadores de Moodle

Notícias

Serviço de correio electrónico de aluno da UTAD vs Moodle
por Admin Suporte - Thursday, 31 March 2011, 13:37

Caros utilizadores

ATUALIZEM O VOSSO CORREIO ELECTRÓNICO DE ALUNO DA UTAD

Verifica-se que os contactos electrónicos que alguns utilizadores (alunos) mencionam quando pretendem que seja feito pelo endereço de correio electrónico da UTAD, não corresponde ao correto, pelo que se publica a seguinte nota informativa:

a) Na existência desses alunos que mencionam o endereço alxxxxx@alunos.utad.pt, as mensagens enviadas/recebidas via correio electrónico entre Professores e Alunos não esteja atualmente a funcionar.

b) Desde Agosto de 2010, o endereço de correio de aluno da UTAD, passou a ser alxxxxx@utad.eu

(x)=n° mecanográfico de aluno

b) No interesse para que possam corrigir a situação e por isso ativar a caixa de correio de aluno @utad.eu devem efetua-lo através do SIDE.

Que procedimentos? (ver link)

Qualquer dúvida podem contactar pelos endereços : moodle-suporte@utad.pt side@utad.pt

Admin-suporte

Atualização de versão MOODLE - UTAD
por Admin Suporte - Wednesday, 22 September 2010, 15:48



UTAD e-learning activities

moodle@utad

- * To support and promote e-learning for UTAD teachers and researchers, the Pró-Rectory for Innovation and Information Systems and the University Information and Communications Services, created the UTAD e-learning team.
- * This team, aims to cover and fulfil the existing gaps for teachers that have technology resistance, to create in teachers the necessary motivation to embrace e-learning and to leverage e-learning in UTAD.



UTAD e-learning activities

moodle@utad

- * The team, consists in 2 e-learning consultants and the technical support staff.
- * Together, they help teachers and researchers to set up their courses and give them the necessary help during the course.
- * The team also promotes workshops and regular meetings with the teachers for e-learning technologies promotion, to acquire opinions and forthcoming necessities for e-learning.



Shared federated services initiatives



- * What is federation?

Federation, consists in a set of organizations that share a common group of rules and policies. In this manner trust is established as an objective for Authentication and Authorization between the several domains

- * The Portuguese National Science and Technology Network (RCTS) provides several federated services to the Portuguese federated Universities (**RCTSaai**). Several of these, can be used for the day-to-day common e-learning and research activities inside the University.

Shared federated services initiatives



- * RCTSaaI federation, provides to Universities 11 federated services that are directly related to learning and e-learning activities. Some of these are:
 - * Colibri Webconference Server
 - * Educast@Fccn Video management System
 - * Arara.pt VoIP Unified Communications System
 - * Microsoft DreamSpark Program
 - * Several Digital Libraries and e-content management like:
 - * Uporto Thematic Repository
 - * Iop Science Digital Lybrary
 - * IEEE Explore, MetaPress



Shared federated services for e-learning

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RCTSaai
REDE CIÊNCIA, TECNOLOGIA E SOCIEDADE

* Colibri Webconference Server



This platform provides to students, teachers and researchers an advanced Web videoconferencing platform with shared desktop and dashboard functionalities that can be integrated within Moodle LMS. Students can do group work and videoconferencing with colleagues and their teacher inside Moodle.

* Educast@Fccn Video management System

 **educast@fccn**

Is a video on-demand management system that provides a simple registration and distribution of video contents directed to higher education courses, as recorded classes. These contents can be accessed by students that have a federated identity through Internet.



Shared federated services for e-learning

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RCTS **aai**
REDE CIÊNCIA, TECNOLOGIA E SOCIEDADE

* Arara.pt VoIP Unified Communications System



It is SIP (Session Initiation Protocol) and XMPP (Extensible Messaging and Presence Protocol) based and provides real time communication over IP (Internet Protocol). This federated platform allows instant messaging, video calls and audio calls within the SIP enabled national academic VoIP network (VoIP@RCTS). Students can call and have video calls to their teachers and colleagues using this platform.

* Microsoft DreamSpark Program

Microsoft DreamSpark
DREAM TODAY, CREATE TOMORROW



This program provides to teachers and students that have their federated University identities a set of professional tools Microsoft for design and development cost free. These tools can be used for their academic activities.

Shared federated services for e-learning

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RCTSaai
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- * RCTSaai, also provides other federated services for e-content management, as the scientific repositories and Web libraries

The cases of the thematic repository of the OPorto University, the Portuguese Open Higher Education Library (BAES), the access to IOP Publishing, Metapress Library, the ISI Web of Knowledge (SM) as research platforms, helps quickly to find, analyze, and share information in the sciences, social sciences, arts, and humanities to students and researchers.



Federation at UTAD

- * UTAD currently provides to their users trusted and secure access to the National Science and Technology Network common services through RCTSaai infrastructure.
- * For this accomplishment, UTAD deployed a shibboleth Identity Provider (IDP).
- * UTAD's IDP provides to users the necessary secure and trusted Authentication and Authorization Infrastructure needed by the RCTSaai.



UTAD Identity Provider

Infraestrutura de Autenticação e Autorização Federada

Requisitou o acesso ao um recurso que requer autenticação.
Insira o seu username e password e pressione o botão de Login para continuar.

Username:

Password:

Mostrar envio de cartão digital.



<http://www.utad.pt>



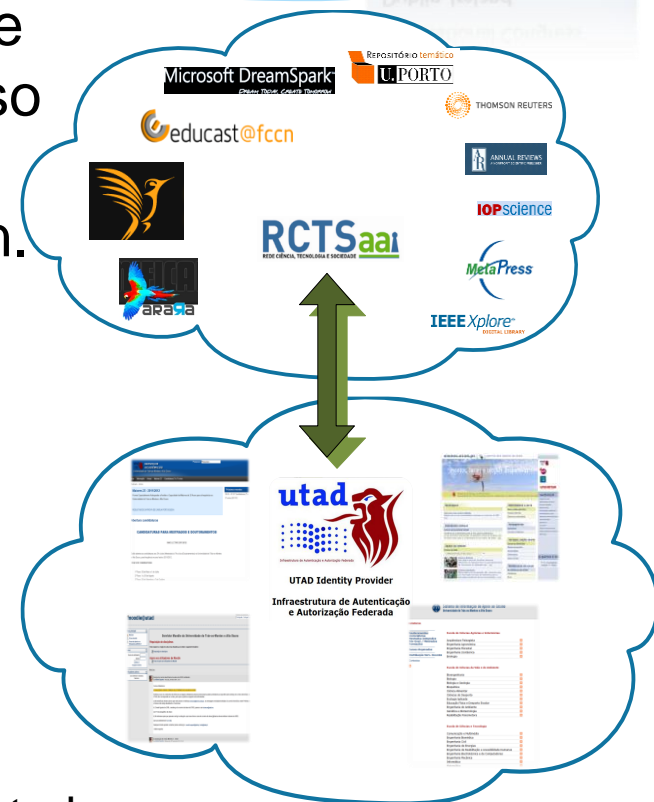
Federation at UTAD



- * The deployed IDP in UTAD, as part of the national RCTSAAI infrastructure, was also intended to be the UTAD central internal point for Authentication and Authorization. Providing for all the internal and external services the federated access and SSO functionalities.

- * For the e-learning case the:

- * Students Portal
- * Academic Information System
- * Students Information Support System
- * E-learning System are intended to be federated



E-learning shared federated services at UTAD

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- * At present, UTAD is integrating the access to the RCTSaai federated services through UTAD's

LMS – Moodle

Colibri is available in the demo server and **educast@fccn** service is being evaluated and under preparation by the e-learning team.

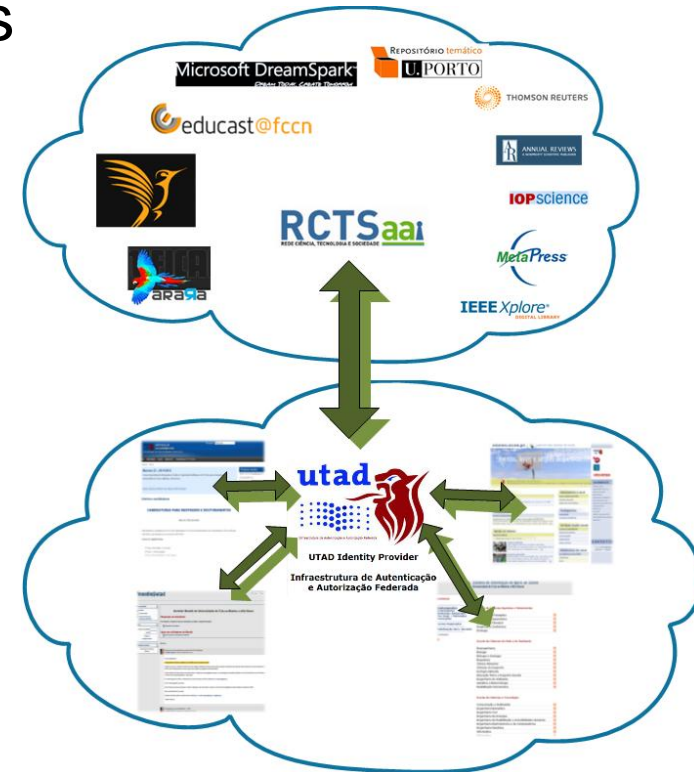
Also the other shared services are already available but not yet integrated in any of the UTAD Information Systems.



Future work



- * For an early future the intention is to federate all the internal services mainly for the SSO functionalities and also to keep integrating the federated services shared by the RCTSaai infrastructure.
- * Other federation services that can be accessed/provided by the UTAD AA Infrastructure can be also, a possible evolution.





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