How to use RSS feeds based on ALEPH’s webOPAC on Eurocid portal

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The centre

The project

SDI & Integration with RSS

The future

Contacts
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Contacts
Inform about the EU in Portuguese.
Train citizens on European issues.
Support others’ initiatives.
The Centre

Goals

Promotes debates on EU issues

Promotes equal opportunities for all on the access to information

Decentralize activities on a regional basis
The Centre
Location

Lisbon - Belém Cultural Centre
Information
Training and Pedagogical Activities
Communication and Image
The Centre
Audience

General public
Youth / students
Teachers / information multipliers
Specialists / researchers
Seminars . Evening debates
Local and home lending. User card. Specialized book selling
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Library

Question-Answer Service . Research support
Cataloguing . Indexing . Classification
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• The project is called **eurocid** - european information (in portuguese language) within the citizen’s reach

• The **eurocid** project was co-financed by the POSI - *Information Society Operational Programme* (ERDF and Portuguese government funds), started in 2004 and completed in 2006
• The project generate three products, one service and one training programme:
  - the Eurocid portal;
  - the Infoeuropa database (in partnership with DGEA-MFA);
  - a specialized database (PROGCOM) on national and european funds, programmes, grants and proposals;
  - a selective dissemination of information service;
  - a training programme which aims to help users understand the possibilities of the products and services made available.
Introduza expressão de pesquisa
Campos a pesquisar
Palavras adjacentes?
Enviar  Limpar

Sugestões de pesquisa

Palavras adjacentes
Se escolher Sim na opção "Palavras adjacentes" e digitar a frase "União Europeia" o sistema assumirá apenas os registos que contenham a palavra "União" JUNTO à palavra "Europeia".
Se escolher NÃO o sistema devolve todos os registos em que as duas palavras indicadas existem independentemente da sua ordem.

Maiúsculas
O sistema não é sensível à utilização de maiúsculas nem à utilização de caracteres portugueses.
A palavra "europa" tem o mesmo significado que "Europeia" ou "EUROPEIA".
E "instituição" tem o mesmo significado que "institucão".

Operadores Booleanos
Pode usar os operadores booleanos "AND" e "OR" na sua expressão de pesquisa. Por exemplo, pode digitar (educação OR formação) AND políticas e recuperar registos que incluam educação ou formação, juntamente com a palavra políticas.

Truncatura
Pode utilizar o carácter "?" para truncatura ou substituição de caracteres.
Por exemplo, "euro?" recuperará euro, europa, europeu, europeia etc. O mesmo modo, "mente" recuperará alargamento, agrupamento, desenvolvimento, etc. O caracter '?' pode ainda ser usado para encontrar variantes de grafia.
Confirmation – SDI created
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- SDI & Integration with RSS
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- Contacts

Brno, 24-09-2007
• Why Selective Dissemination of Information (SDI) was crucial?
  - Give users what they really want
  - Critical success factor of Eurocid project and, in particular, to PROGCOM database

• Why integration was crucial?
  - Huge amount of information CIEJD has to deal with
  - Limited human/finance resources available
  - Avoid content duplication
• SDI:
  - Can we disseminate any search result?
  - Can we disseminate contents to any user?

• Integration:
  - Can we generate information from Infoeuropa database in a standard integration format?
  - Can we use this information in any content of the Eurocid portal?
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Hypotheses

- **Use Aleph webOPAC (v15) based SDI**
  - No standard integration format (text e-mail)
  - Only webOPAC registered users could use it

  Not possible

- **Use Aleph XServer (v15)**
  - Standard integration format (XML format)
  - Needs additional programming for each content

  Possible | Limited | Doesn't fulfil SDI goals

- **Use RSS (Really Simple Syndication)**
  - Simple and standard format (RSS format)
  - Possible use of other information sources in the Eurocid portal
  - Promising technology for web syndication of information back in 2004

  Possible | Flexible | Fulfil SDI & Integration goals
• How to...

1. ... generate search based RSS feeds in Infoeuropa database and make it available to any user in webOPAC?

2. ... use the Infoeuropa database RSS feeds in any content of the eurocid portal?
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*Question 1 - starting idea*

**Idea**
- Generate search based RSS feeds using other language in webOPAC

**How**
- Create a new unused language (e.g. APA)
- Customize webOPAC APA files in order to create the RSS feed structure
- Configure APA tables to send specific data to webOPAC
- Customize webOPAC POR (Portuguese) files in order to create a button (link) to the RSS feed

**Conclusion**
- Possible to generate feeds - some errors occurred
- Impossible to show all the specific data we planned
- Only need Aleph webOPAC
- Aleph webOPAC customization limits

Possible | No flexibility | Aleph webOPAC
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Question 1 - improved idea

Idea

- Generate search based RSS feeds using other language in webOPAC. **Try using a server side script (e.g. PHP) to add some flexibility and correct errors**

How

- Same configuration of the “starting idea”
- Configure server to process scripts (e.g. PHP)
- Create a script to get the APA language RSS feed and correct it

Conclusion

- Possible to generate feeds without errors
- Impossible to show all the specific data we planned
- Only need Aleph webOPAC
- Aleph webOPAC customization limits

**Possible | Low flexibility | Aleph webOPAC**
How it works: when any user access a RSS feed from webOPAC

1. User clicks RSS button
2. User submits a search
3. Server side script (RSS generator)
4. webOPAC results page (APA language)
5. RSS feed
6. webOPAC results page (POR language)
How it works: when a subscribed RSS user access a RSS feed contents

1. Server side script (RSS generator)
2. User starts his RSS reader
3. RSS feed
4. User RSS reader displays the result (e.g. Google Reader; Outlook 2007; IE7; etc)
5. webOPAC results page (APA language)
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*Question 1 - optimized idea*

**Idea**

- Generate RSS feeds using a server side script (e.g. PHP) to manipulate the results from XServer queries

**How to**

- Configure server to process scripts (e.g. PHP)
- Create a script that converts data from XServer into RSS format
- Customize webOPAC POR (Portuguese) files in order to create a button (link) to the RSS feed

**Conclusion**

- Possible to generate feeds without errors
- Possible to show all the specific data we planned
- Use of XServer => No Aleph webOPAC customization limits
- New potentialities like choosing: the RSS title, the number of items to show, the sort options, the database (another Aleph+XServer system), etc

**Possible | High flexibility | Aleph webOPAC+XServer**
How it works: when any user access a RSS feed from webOPAC

1. User clicks RSS button
2. User submits a search
3. Server side script (RSS generator)
4. Aleph XServer results page
5. Optimized RSS feed
6. webOPAC results page (POR language)
How it works: when a subscribed RSS user access a RSS feed contents

User starts his RSS reader

Aleph XServer results page

Server side script (RSS generator)

User RSS reader displays the result (e.g. Google Reader; Outlook 2007; IE7; Firefox; etc)
• How to...

1. ... generate search based RSS feeds in Infoeuropa database and make it available to any user in webOPAC?

2. ... use the Infoeuropa database RSS feeds in any content of the Eurocid portal?
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Question 2 - idea

Idea

• Use a embedded web page with a RSS reader in the Eurocid Portal contents

How to

• Create a RSS reader with a server side script (e.g. PHP)
• Create a new functionality in the Eurocid portal back office to embed the RSS reader web page in the content page

Conclusion

• Possible to use Infoeuropa database RSS feeds in the Eurocid portal
• High flexibility => It’s also possible to embed any RSS feed on the web in the Eurocid portal

Possible | High flexibility | Any feed
How it works: when a **user** opens a content web page

1. **User opens a content**
2. **Server side script (RSS Reader)**
3. **Infoeuropa database**
4. **RSS generator**
5. **RSS Reader**
6. **Frontoffice content**
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Infoeuropa database webOPAC is been reviewed to:

- Conform with W3C Accessibility and XHTML standards
- Conform with usability norms - User experience
- Improve graphical integration with Eurocid portal
- Moving to a digital library
  - Quick access to digital media
  - More interactivity
  - Multimedia files

Implement Ex Libris Primo?
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Contacts
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Thank you