



Eprints and the evaluation of scientific production:  
a useful tool but it is not enough

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# The general environment: Open Archive

- To create an ad hoc habitat for scientific production in the Web
- To distribute it and to increase its impact
- Control return to authors / research institutions
- Less intermediary between researchers

## Main goals of Eprints / Dspace

- Spread as much as possible publications
- Expose metadata
- Support an institutional open archive mandate
- Insert easily metadata and full-texts

# Eprints/Dspace and the evaluation

The evaluation is not in the core of Eprints/Dspace software

But why we could speak about it?

# Eprints/Dspace and the evaluation

- Give support to evaluation of the scientific production is the first request that users do to archive maintainers
- It is used as extra feature for improve submissions into the archive
- It is strictly connect with Open Access world and milieu

## Eprints/Dspace and the evaluation

- We start from those softwares but are not enough
- We reuse information still present
- We could see them as a part of a more complex management of digital objects
- A good start is to see available best practise and to study well one's own needs
- I'm going to speak about Eprints but with Dspace is the same.

# The E-LIS experience with Eprints

- You can calculate the Usage Factor (UF), how much the repository is used
- <http://www.uksg.org/sites/uksg.org/files/FinalReportUsageFactorProject.pdf>
- Numbers of view (of metadata) and download (of full text)
- Based on log of software
- Adds-on or specific development

## The E-LIS experience with Eprints

- E-LIS uses an add-on written by University of Tasmania with specific modifications
- The modifications are shared with all Eprints installations
- Statistic at repository level and statistics about each item
- In the future: aggregation based on author's name

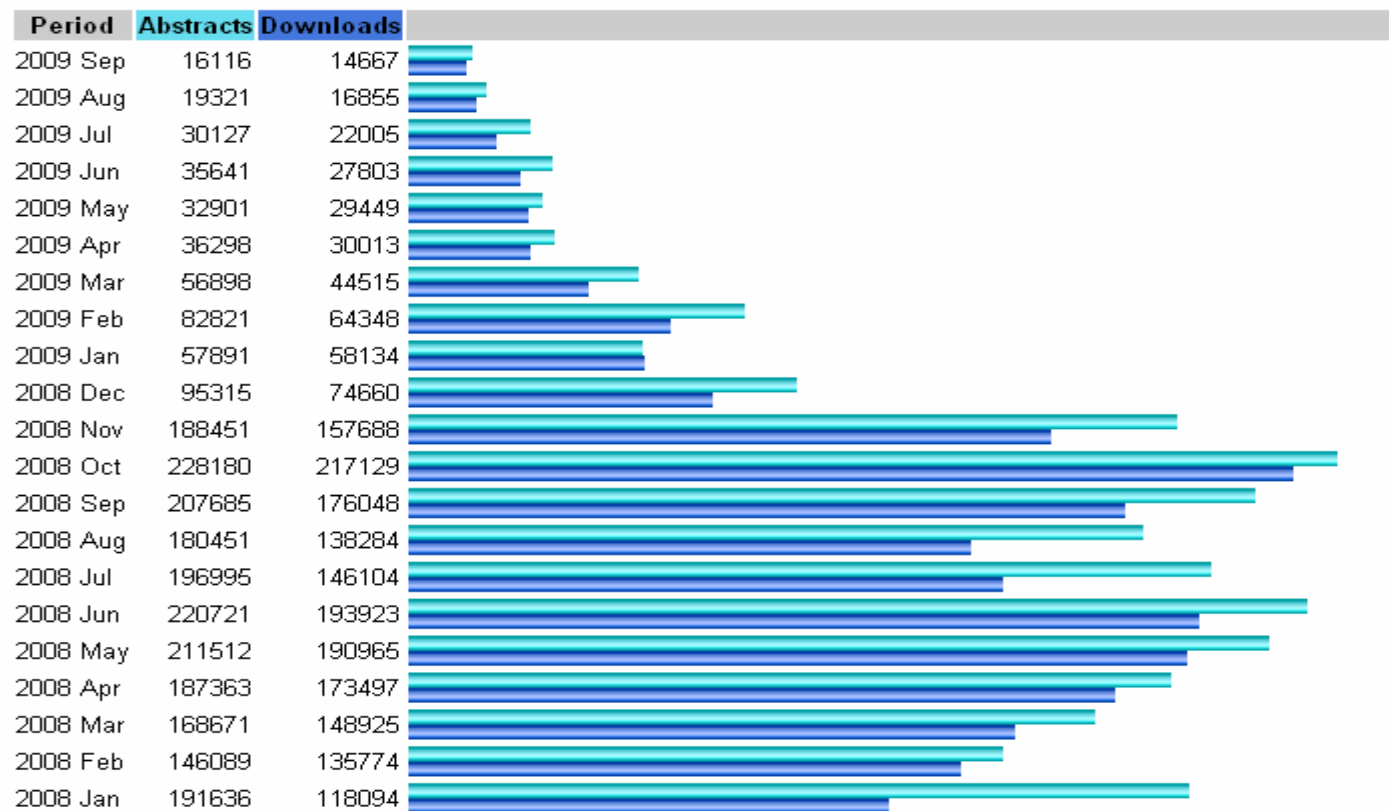


# The E-LIS experience with Eprints

## Statistics

Abstract views and document downloads by month/year

Last update : 20-9-2009



# The E-LIS experience with Eprints

## Statistics

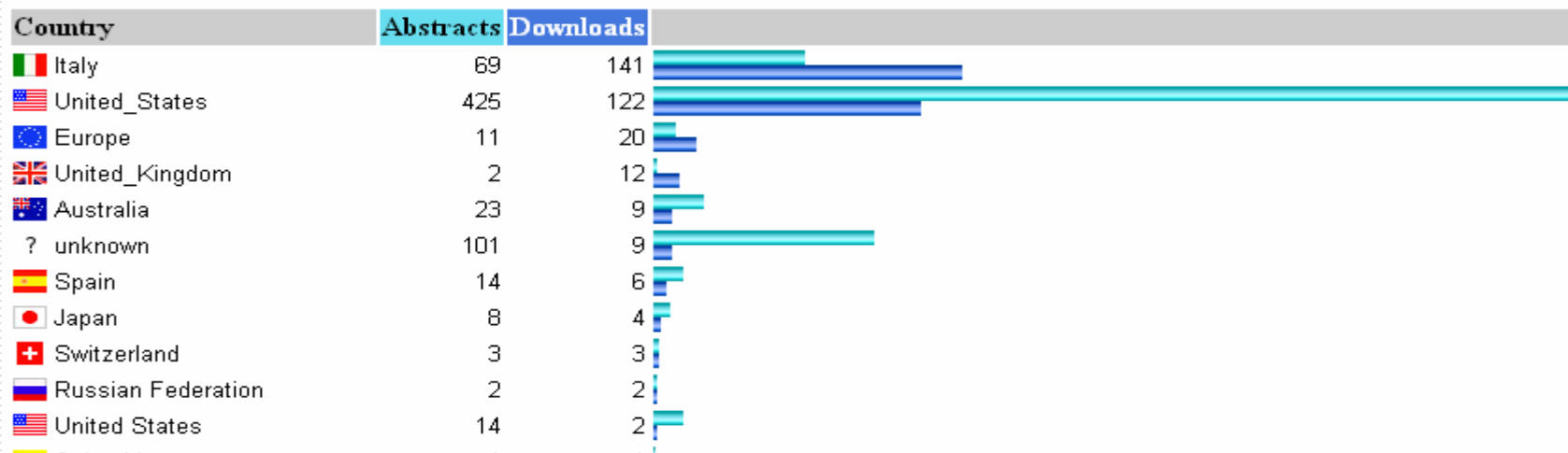
### A proposito del "nome formale di congressi"

For this eprint: [[Past four weeks](#)] [[This year](#)] [[Last year](#)] [[All years](#)]

#### Abstract views and document downloads



#### Views by country (derived from IP address of query) for all years



# The E-LIS experience with Eprints

- You could see a wide drop this year
- Why: E-LIS is not in Google, too high the load on the system.
- Usage Factor data must be see in a proper context

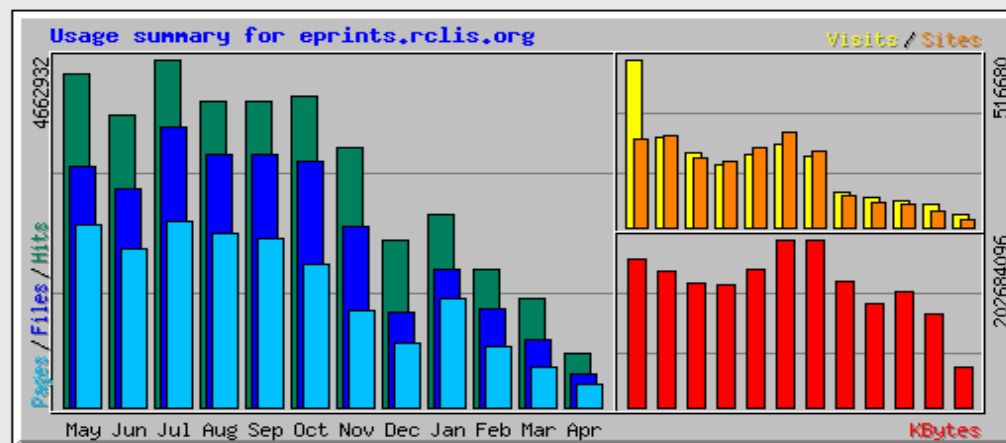
# The E-LIS experience with Eprints

- Are useful also statistics on generic web traffic
- To have an idea of the site as all
- You could compare the Open Access archive with more generic web sites
- It is connect with Usage Factor

# The E-LIS experience with Eprints

## Usage Statistics for Eprints eprints.rclis.org

Summary Period: Last 12 Months  
 Generated 24-Apr-2009 15:42 CEST



Summary by Month										
Month	Daily Avg				Monthly Totals					
	Hits	Files	Pages	Visits	Sites	KBytes	Visits	Pages	Files	Hits
<a href="#">Apr 2009</a>	37655	24119	16700	1949	24555	48719932	37047	317300	458268	715451
<a href="#">Mar 2009</a>	46733	29023	17371	2376	52281	112910787	73683	538509	899743	1448731
<a href="#">Feb 2009</a>	66171	47443	29056	3010	69766	139212558	84307	813583	1328408	1852808
<a href="#">Jan 2009</a>	83069	59864	47254	2994	75360	125870096	92823	1464875	1855799	2575168
<a href="#">Dec 2008</a>	71942	41087	27576	3464	98436	152820762	107392	854885	1273719	2230222
<a href="#">Nov 2008</a>	116049	80774	42941	7368	235800	202684096	221069	1288249	2423232	3481489

# The E-LIS experience with Eprints

- 2° point about evaluation:** reuse of metadata
- Metadata in the archive could be used by national evaluation systems (the UK Research Assessment Exercises for example)
- Archives have well structured metadata, much better of CV on WORD

# The E-LIS experience with Eprints

- It is possible to send automatically metadata to the national system if you are an institutional archive.
- E-LIS has sent specify sets of metadata done with SQL. It is impossible to do a setup for all countries in the world.

## The E-LIS experience with Eprints

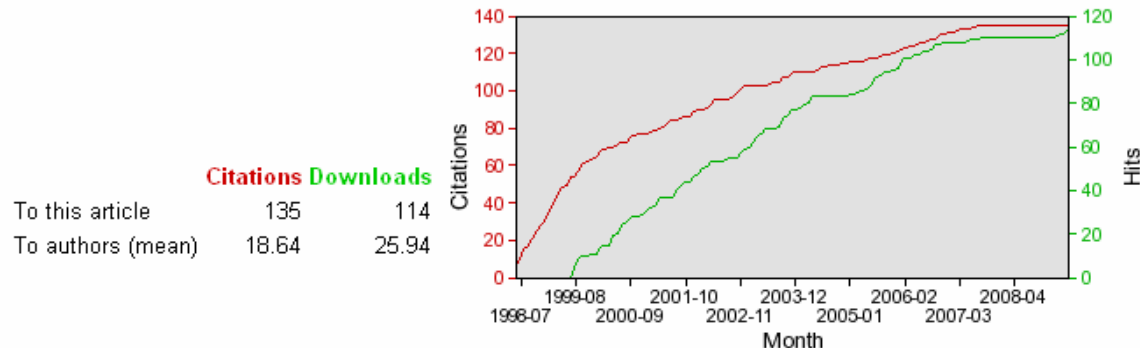
- 3° point about evaluation: the links of work on the web
- Every work in E-LIS has its citation into metadata.
- It is possible to connect works using the and to count the links. So you something like Impact Factor
- <http://www.citebase.org> (experimental)



# The E-LIS experience with Eprints

Full-text available from: [Cached PDF](#)  
[Linked PDF \(experimental\)](#)  
 JHEP 9808 (1998) 013  
<http://arxiv.org/abs/hep-th/9807033>  
 Export record as: [BibTeX](#)

Citebase is currently only an experimental demonstration. Users are cautioned not to use it for academic evaluation yet. Citation coverage and analysis is [incomplete](#) and hit coverage and analysis is both [incomplete](#) and [noisy](#).



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[Cited by](#) [References](#) [Co-cited with](#) [Cites similar articles to](#)

? Show the top 5 most cited articles that have been identified by Citebase as citing this article (to see all citing articles identified by Citebase follow the bottom link)

[Large N Field Theories, String Theory and Gravity](#) [ [Abstract](#), [1461 Cites](#), [Pre-print PDF](#) ]

# The E-LIS experience with Eprints

- But many problems with references
- Very hard to parse them
- You need also to share downloads, more work for repository maintainers

## For an easier evaluation

- Less standard on writing citations
- The ISO standard on citations?
  
- Authority sources for names
- The OpenID ?
  
- A better definition of view and download
- COUNTER for Open Archive?

**THE END**

**Questions ?**