

**INSTITUTIONAL POLICY
AT THE UNIVERSITY OF LIÈGE:
HOW TO SET UP A SUCCESSFUL
REPOSITORY**

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OPEN ACCESS: THE CONCEPT

- *All that matters is access! The rest is just technique*
- *Access is provided by the Internet*
- *Access to results of research programmes funded by public money must be toll-free and without technical and financial barriers*
- *In principle, experimental data should be freely accessible as well (Open Data)*

OPEN ACCESS: REPOSITORIES

- How can we guarantee free access while preserving the advantages of the past ?
 - *Through electronic repositories*
 - *Searchable by search engines*
 - *If still under embargo, downloadable on request (e-print request)*
- *Must repositories be centralised ?*
 - *Must they be thematic ?*
 - *Must they be institutional ?*

OPEN ACCESS: REPOSITORIES

- Centralised repositories
 - *do not collect everything* 😞
 - *cannot be mandated* 😞
 - *make life easy for Institutions* 😊
- Thematic repositories
 - *have a restricted appeal* 😞
 - *cannot be mandated* 😞

OPEN ACCESS: REPOSITORIES

○ Funder repositories

- *collect only what they have funded* 😞
- *can be mandatory* 😊
- *Can collect data automatically from other repositories to generate repertoires* 😊

OPEN ACCESS: REPOSITORIES

○ Institutional repositories

- *Collect everything* 😊
- *Can be mandatory* 😊
- *Generate repertoires automatically* 😊
- *Can collect automatically data from other repositories* 😊

A MANDATE ?

- *An institutional repository makes sense only if exhaustive*
- *An institutional repository fills up only with a mandate (90% vs 8%)*
- *Straight obligation is not part of the University mores*
- *Many obligations do exist. all that is needed is add this one but make sure it is understood, to stimulate a positive spirit*
- *A mandate can be firm but soft*

A MANDATE ?

- *The Mandate « à la liégeoise »: a stick*
 - ORBi generates automatically a report that can be downloaded directly by ULg Academic Authorities
 - ORBi generates automatically a report that is the sole official document for evaluations at ULg
 - *promotions*
 - *grant proposals*
 - *etc.*
 - The ORBi website is accessible to all, it can be sorted, among other criteria, by author's names
 - The ULg institutional phonebook is linked directly to ORBi

A MANDATE ?

- *The Mandate « à la liégeoise »: a carrot*
 - ORBi publishes permanent statistics of consultation
 - ORBi publishes a « hit parade » of most consulted authors and most downloaded articles, etc.
 - ORBi has direct links to any citation of the articles it contains
 - The report generated automatically by ORBi is nicely and logically presented, according to the traditional values of the major research sectors. It can be used as a publication list for CVs and can be printed in an updated version, at any time

A MANDATE ?

- *The Mandate « à la liégeoise »: a carrot*
 - Being in ORBi increases considerably the readership of an article
 - Being in ORBi increases citations of an article
 - Being in ORBi provides a second life to older articles

As long as the repository contains full text references and is searchable by engines (no pdf!!!)

OA @ ULG

- **Gold OA : PoPuPs**
Portal for the publication of scientific journals at ULg
<http://popups.ulg.ac.be>
- **Green OA :**
 - **BICTEL/e** : *institutional repository of doctorate theses at ULg*
<http://bictel.ulg.ac.be>
 - **ORBi** : *Open Repository and Bibliography*
<http://orbi.ulg.ac.be/>

PoPuPS

- [Portail de Publication de Périodiques Scientifiques](#) of the ULg (2005)
- **Objective** : provide each member of ULg to publish in OA at no expense, widely and without electronic publishing skills

13 current titles

- Pre-existing in printed format
- New and fully www

- XML Format and/or pdf
- Close to 4.000 accessible articles
- >400 articles consulted/day (robots excluded...)
- **Origin** :
 - 68% Google
 - 19% navigation in PoPuPs
- 1 journal has been granted an impact factor since being in PoPuPs ([Geologica Belgica](#))





Réseau des Bibliothèques

Rechercher

BICTEL/e - ULg

Serveur institutionnel des thèses de doctorat

- Présentation
- Recherche thèse**
- Dépôt thèse
- Accès gestionnaires

Nouvelles thèses dans BICTEL/e - ULg

- ♦ **Vanhauzenhuysse, Audrey** - ÉVALUATION DE LA PERCEPTION CONSCIENTE CHEZ DES PATIENTS NON COMMUNICATIFS : Approche comportementale et par neuroimagerie
- ♦ **Pirrotte, Dorothée** - Etude des isoformes de Neurégulines-1 et -2 dans la prolifération et la différenciation des cellules souches nerveuses au cours du développement
- ♦ **Catale, Corinne** - Le fonctionnement exécutif chez l'enfant. Approche Développementale et Neuropsychologique/ Executive function in children: a developmental and neuropsychological approach

Le Conseil d'Administration du 5 juillet 2006 a décidé la création pour l'ULg du répertoire BICTEL/e et d'organiser le dépôt électronique des thèses défendues au sein de l'institution.

- ♦ **Qu'est-ce que le projet BICTEL/e ?**
- ♦ **Quelles thèses sont concernées à l'ULg ?**
- ♦ **Que faut-il déposer ?**
- ♦ **Pourquoi mettre une thèse en ligne ?**
- ♦ **Qu'entend-on par thèse électronique ?**
- ♦ **Avantages d'un tel répertoire pour les chercheurs de l'ULg**
- ♦ **Intérêts liés au système BICTEL/e**
- ♦ **Droits d'auteur et divulgation électronique**
- ♦ **Aller plus loin au départ de BICTEL/e...**

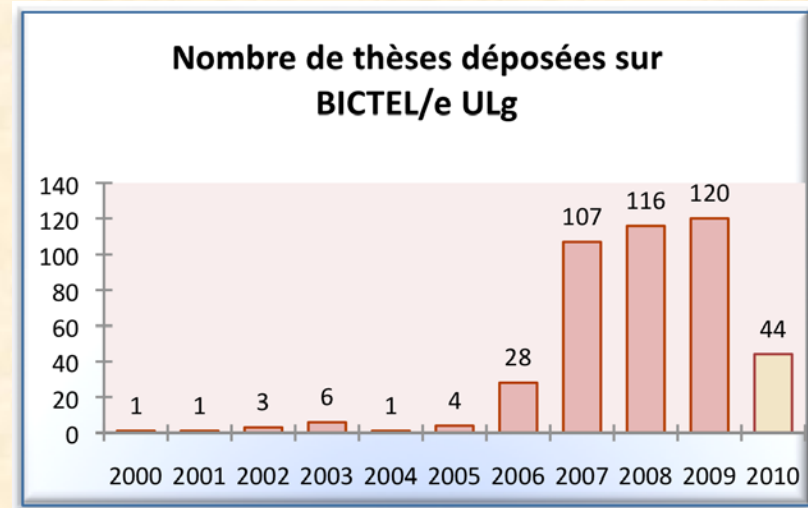
♦ **Page BICfB** : accès à la page d'accueil BICfB du projet

(**AVERTISSEMENT** : certaines universités ont déposé également des e-prints sur leur répertoire BICTEL/e. Ce n'est pas le cas de l'ULg qui développe un répertoire institutionnel des publications ULg sous une autre forme.)

BICTEL/E-ULG

INSTITUTIONAL REPOSITORY OF DOCTORATE THESES

- *Launched in 2006*
- *Mandatory deposit*
- *Interoperability :*
 - Integration in ND LTD ([Network Digital Library of Theses and Dissertation](#))
 - And in [DART-Europe E-these Portal](#) (> 118.000 theses in Europe)
 - ...
- *Currently: 450 theses at ULg*
(63% full access)
- *Overwhelming consultation :*
 - > **1.500** documents downloaded/week
(= ± 80.000/yr)
 - By > **1.100** different computers
 - Each document, on average 11 times/week
 - Origin : 70,6% Google





OPEN REPOSITORY AND BIBLIOGRAPHY - ULG

A single tool, two main objectives :

- Complete academic Bibliography
- Institutional Repository in OA

Authors ENTIRELY in charge of deposits (& can designate a helper)

- The Institution develops, provides, informs, trains, disseminates...
- **BUT does NOT file in the data**

Main specificities

Respect for everyone involved
(author, publisher, institution)

- Open Access
- Restricted Access



→ e-print request

« ULg Mandate »

...or how to generalise an unrecognised but absolute need...

THE ULG MANDATE



- *...the day it happened (November 2005) ...*
- *A strong mandate, decided by the Board of the ULg (May 2007)*

- ***ALL** publications by **ALL** ULg authors since 2002 **MUST** be deposited in ORBi*
- *The full electronic version of **ALL** articles in scientific journals by **ALL** ULg authors **MUST** be in ORBi*

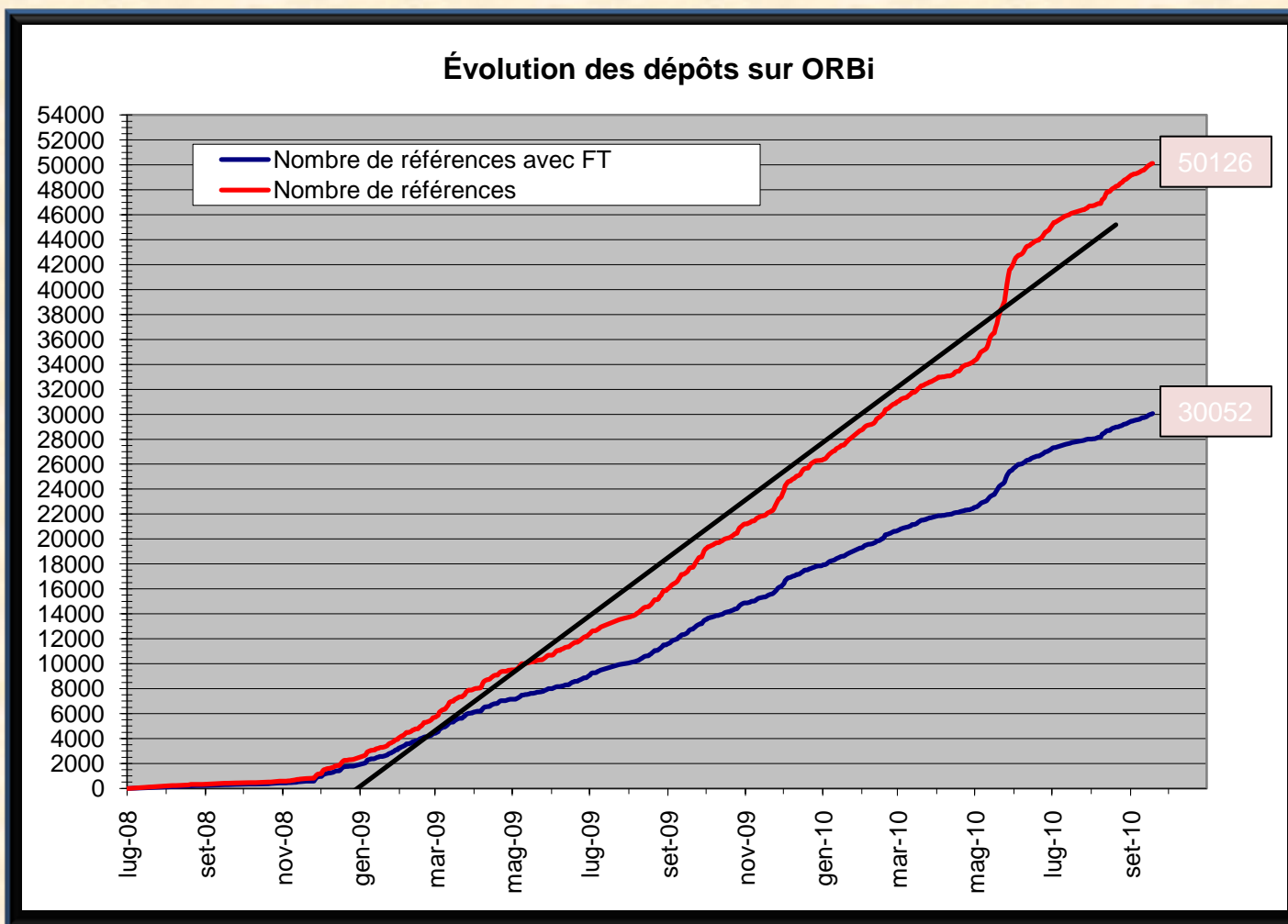
*(open access or restricted access according to the publisher's policy :
ID/OA immediate deposit – optional access)*

- *A powerful incentive...*

A few months after ORBi's official launch, only those references present in ORBi were to be considered in all evaluation procedures at ULg

GAMBLE WAS WON ?

Well over our craziest hopes !



SUCCESS !

Over 50.000 references

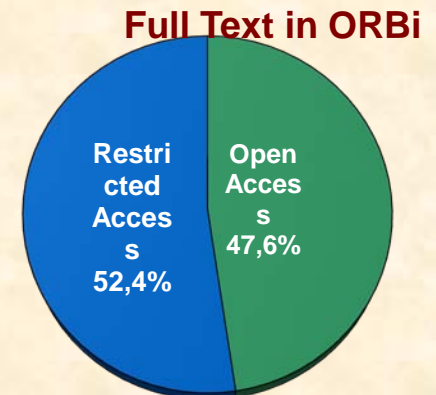
- On average : 74.6 references added each day
- May 25, 2010 : 700 references added on a single day !
- Still far from the 10/day expected on cruise speed after the rush...
- 4,652 ULg authors own references in ORBi

*According to ROAR (<http://roar.eprints.org>),
out of 1,097 institutional repositories,*

- 39th worldwide for the total number of references
- Number 1 for « high activity level » (number of days per year with over 100 deposits/day)

Open Access or Restricted Access ?

- > 30,000 Full Text (59.96%)
- 14,500 OA (47.63% of Full Text deposits)



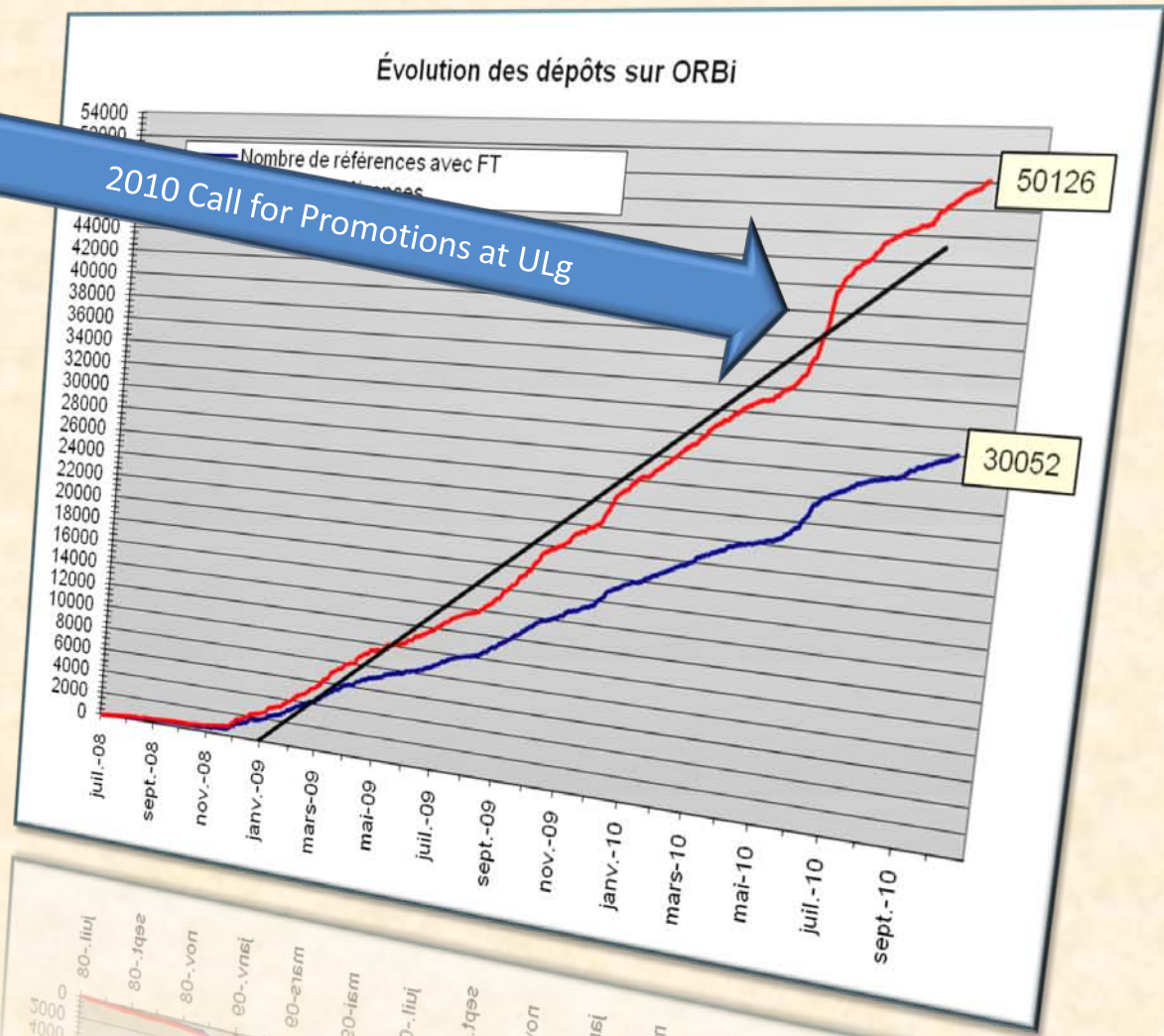
ORBI : OBSERVATIONS

- *ULg authors publish more than we thought*
- *The plateau level is not reached yet*
- *Catching up with previous years needs still work...*

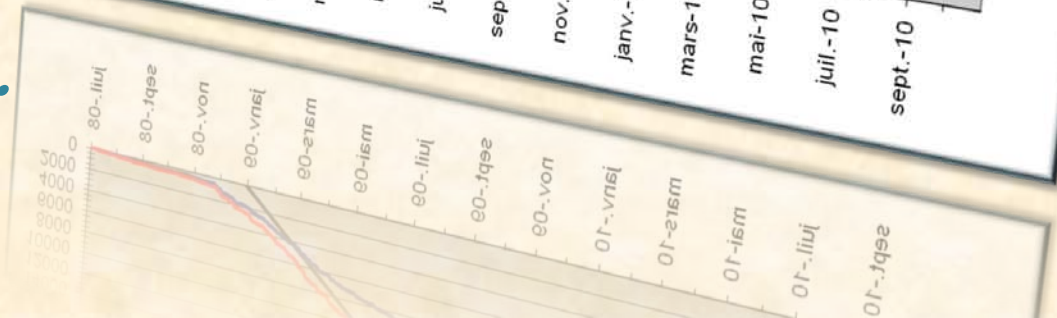
AN EXPLANATION : THE MANDATE ?

Indeed!

2010 Call for Promotions at ULg



... but not only ...





AN EXPLANATION : THE MANDATE ?

- *Many more references introduced than expected*
 - 39.5% references older than required (2002)
 - «Scientific Publications » in the broad sense
 - « Traditional » Publications : 81.5%
 - But also unpublished communications, reports, teaching material, lectures, etc... : 18.5
- *Much more Full Text than expected*
 - 48.8% articles older than 2002 are Full Text !
 - 40.4% publications « non-articles » are Full Text !

OTHER EXPLANATIONS ?

- *ORBi corresponds to a need for the Institution but also for the researchers*
 - Multiple winners
 - But need to convince (takes too much time, hence the mandate!)
- *ORBi puts the researcher to the center of the game*
 - Nobody does it better
 - Several authors, one entry

OTHER EXPLANATIONS ?

- *Not just another tool for librarians. It is user-oriented and user-friendly*
 - Light workload : 10 min/reference
 - Focused on what makes sense for authors
 - Variable according to disciplines
 - Automatic helper tools :dynamic scrolling lists
 - Contextual help
 - Possibility to import (PubMed, WOS, SAO/NASA, EndNote X, BibTeX ...)

OTHER EXPLANATIONS ?

- *Increased visibility*
 - Big Open Access harvesting tools (OAIster, Driver, Scientific Commons, Base...)
 - Google Scholar
 - SciVerse (Elsevier)
 - Broad scope search engines (Google,...)

OTHER EXPLANATIONS ?

○ *Added value Service*

– Legal assistance

- *Detailed legal Guide*
- *Automatic links to Sherpa/ROMEO (publishers' policies)*
- *Legal toolbox (models of letters to publishers and of legal texts or text modifications to keep or recover diffusion rights,...)*

– Active hotline

- *A question ? An accurate answer within 24 h (including during the WE...)*

OTHER EXPLANATIONS ?

○ *Added value Service*

- « Whatever happened to this paper ? Where is it filed ? » (new PC, new lab, many versions,...)
- Visualisation & downloads
 - *Only by humans (exclusion 20.000 spiders,...)*
 - *Distinguishing « at ULg » & « outside ULg »*
 - *Per reference, per author, globally, per month, per country, top 20,...*
- Impact Factor (current + the year of publication), IF5, Eigen Factor, article Influence
- Citations (Weekly): Google Scholar, WOS
- h-Index

OTHER EXPLANATIONS ?

○ *Added value Service*

– Automatic generation of Reports

- *Multiple use (CV, applications, web link,...)*
- *Multiple formats (PDF, HTML, DOC, XML...)*
- *Disciplinary presentation templates designed with representatives of academic sectors*
- *Personalisation*
 - Different bibliographic formats (APA, Chicago,...)
 - Other additions (optional): bibliométrics, abstracts, peer review assessment,...

– Widget : Dynamic integration in Web pages

OTHER EXPLANATIONS ?

- *Awareness*

- Direct link with the University Phone Book
- ORBi sends around 12,000 e-mails per month to co-authors (agreement, signatures,...)
- Emulation

A RESEARCHER'S GOAL WHEN WRITING A PUBLICATION: BEING READ

- *ORBi items are visible on Google search engines within one hour*
- *ORBi : 47th worldwide out of 988 in the Ranking Web of World Repositories 2010 (<http://repositories.webometrics.info/>) – 25th IR*

- *Usage statistics : strong increase*

- over 740,000 visualisations
- over 116,000 downloads (currently: +800/day)

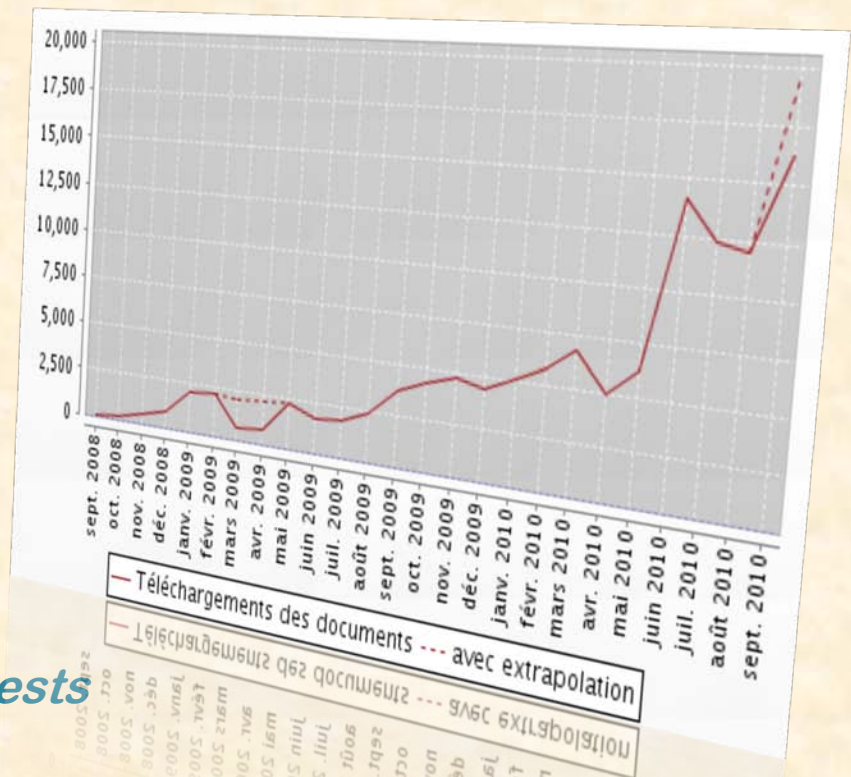
But still too « local »

- Belgium : 43,2%
- France : 16,7 %

- *Effect on citations ?*

to be determined (too early to say)

- *Debriefing by ULg authors : new contacts through e-print requests*



THE ORBI ADVANTAGE

- *Increase in readership*
 - Average number of downloads for references 2008-2010:
 - *9.8 times more for papers in OA than in restricted access (RA)*
 - *17.6 times more if downloads inside ULg are removed*

(measured in september 2010 on 54,476 downloads of 11,814 references)

<http://orbi.ulg.ac.be>

ORBi : A COMPLETE SUCCESS ?

- *Still incomplete*
- *For 2009 :*
 - **1627** references in **WOS**
 - **2160** references in **ORBi**
 - **968** references in **both**
- *Hence : 659 are still missing in ORBi (45% !)*
- *What about those not in WOS...?*



ORBI : A COMPLETE SUCCESS ?

- *Still too many filing errors (13 %)*
 - Typos, mistakes in titles, misspellings, etc.
 - 1 % Fraud (in the order of authors)

ORBI :
NEVERTHELESS A GREAT
SUCCESS !



EOS

ENABLING OPEN SCHOLARSHIP)



EOS (*ENABLING OPEN SCHOLARSHIP*)

- *A collective coaching tool for institutions wishing to set up a repository*
 - Informations
 - Tips
 - Dos and don'ts
 - References
 - Statistics
 - News and Views
 - Legal aspects
 - Etc.



EOS : THE BOARD

Bernard RENTIER (Chairman), *U. Liege, Belgium*

Tom COCHRANE, *QUT, Brisbane, Australia*

William DAR, *ICRISAT, Hyderabad, India*

Stevan HARNAD, *UQAM, Montréal, Québec & U. Southampton, UK*

Keith JEFFERY, *Sci & Tech Facilities Council, Swindon, UK*

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Stuart SHIEBER, *Harvard U., Cambridge, USA*

Ian SIMPSON, *U. Stirling, UK*

Peter SUBER, *Harvard U., Cambridge, USA*

John WILLINSKY, *Stanford U., U. British Columbia & Simon Fraser U., USA*

Alma SWAN (Convenor), *Key Perspectives Ltd, Truro, UK*



www.openscholarship.org



Who are we & why this website ?



What is EnablingOpenScholarship

EnablingOpenScholarship (EOS) is an organisation for universities and research institutions worldwide. The organisation is both an information service and a forum for raising and discussing issues around the mission of modern universities and research institutions, particularly with regard to the creation, dissemination and preservation of research findings.

The aim of (EOS) is to further the opening up of scholarship and research that we are now seeing through the growing open access, open education, open science and open innovation movements.

These, and other, 'open' approaches to scholarship are changing the way research and learning are done and there are profound implications for universities and research institutions. EOS has been established to help guide developments and to assist others in understanding the issues and their implications.

The **context** in which EOS has been established is that of increasing interest from governments, funders and the research community itself in opening up the way research is carried out and communicated. This interest is complemented by new research practices and processes that can work effectively only in an open, collaborative environment.

Our first meeting was held at the University of Liege on 18 October 2007 (**The Liege Convention**) and subsequent meetings have furthered the development of the organisation and enabled planning for the future.

This website will report on developments of relevance to

News

01/10/2009 - EOS is endorsed by euroCRIS
euroCRIS, the international organisation dedicated to developing standards, processes and policies for Current Research Information Systems has issued a statement of support for EOS.

29/09/2009 - JISC endorses EnablingOpenScholarship
JISC, the UK's Joint Information Systems Committee, has released a statement of support for EOS.

17/09/2009 - PLoS adds individual article metrics to its journals
The Public Library of Science is to add usage and esteem metrics to the articles published in all its journals. The data are found under a new tab called 'Metrics' on each journal article.

14/09/2009 - A network of institutional repositories in Latin America
A new project to establish institutional repositories in countries across Latin America has begun under the auspices of CLARA (Cooperación Latino Americana de Redes Avanzadas).



EOS (*ENABLING OPEN SCHOLARSHIP*)

- *Membership fee (to support operating expenses)*
 - 500 € / yr (institutional)
 - 50 € / yr (individual)

www.openscholarship.org

Grazie

