a user-oriented IR for multiple wins: why scholars take a real part in the success story...

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Library Network of the University of Liège (Belgium)
One of the 3 main universities of the French-speaking part of Belgium

Public and pluralist

Complete university (8 Faculties, 1 School, 1 Institute)
- 38 bachelor degrees
- 178 master degrees (21% of which are unique in French-speaking Belgium)
- 67 complementary master degrees

18,000 students (97 nationalities)

4,300 staff (2,800 professors and researchers)
- 530 research units
- 3,000 to 3,500 publications/year?
OA @ ULg: a longstanding story...

Based on a real conviction shared by

- authorities
  - The well-known blog of Rector Bernard Rentier
    an active advocate for OA
    http://recteur.blogs.ulg.ac.be/?cat=10

- EOS (Enabling Open Scholarship): launched in 2007
  (Lisboa Convention http://recteur.blogs.ulg.ac.be/?p=151 )
  A membership organisation for universities and research institutions
  whose one of the top priorities is to help universities adopt effective OA policies
  http://www.openscholarship.org

- and librarians:

  Continuing to serve users in the future with effectiveness?
  No other choice than to be deeply involved in the development of OA!
And concrete initiatives of the ULg Library Network:

- **PoPuPs**: a portal and toolbox for diffusion of open access journals published by ULg members (since 2004) [http://popups.ulg.ac.be](http://popups.ulg.ac.be).

- **BICTEL/e**: a repository for PhD theses (since 2006) [http://bictel.ulg.ac.be](http://bictel.ulg.ac.be).

- **ORBi**: Open Repository and Bibliography for ULg [http://orbi.ulg.ac.be/](http://orbi.ulg.ac.be/)
A propos de PaPuPS :

- Présentation
- Contexte scientifique
- Syndication de contenu
- Pour plus d'informations

Présentation :

Le Portail de Publication de Périodiques Scientifiques (PaPuPS) est destiné à permettre aux responsables de revues de l'Université de Liège et de la Faculté universitaire des sciences agronomiques de Gembloux (FSAg), rattachée au sein de l'académie Wallonie/Europe, de diffuser aisément et rapidement leur ouvrage en temps intégral librement accessible. Cette mise en ligne permet une visibilité plus large des recherches à l'échelle internationale et une notoriété accrue des revues. Chaque revue garde la liberté de diffuser en parallèle ses numéros sous forme imprimée. Le projet se veut donc alternatif et complémentaire par rapport à d'autres initiatives commerciales similaires.

PaPuPS est basé sur le partenariat : le Réseau des Bibliothèques développe la plateforme et intervient comme support pour les responsables des revues. Chacune de celles-ci conserve la responsabilité complète de ses contenus qu'elle diffuse, garantissant ainsi une totale indépendance éditoriale.

PaPuPS respecte les standards OAI internationaux de diffusion rendant celui-ci inter-opérable avec des initiatives similaires existantes à l'étranger, de manière à lui permettre d'être intégré à un vaste réseau international.

PaPuPS utilise la technologie développée par LodeLorg.

Contexte scientifique :

PaPuPS fait partie d'un ensemble de initiatives mises en place par le Réseau des Bibliothèques de l'Université de Liège dans le cadre de sa politique de soutien à un accès libre à l'information scientifique (Open Access). Ces initiatives comportent également le projet BicTel de diffusion des versions électroniques des thèses publiées à l'ULiG, ainsi que le projet de répertoire institutionnel des recherches menées par les scientifiques de l'ULiG.

L'objectif de la communauté scientifique est d'en effet pas de garantir des revenus financiers à des éditeurs commerciaux, mais de permettre une diffusion rapide et large des recherches réalisées, tout en garantissant des conditions d'accès aux publications académiques.
BICTEL/e - ULg
Serveur institutionnel des thèses de doctorat

Nouvelles thèses dans BICTEL/e - ULg
- Vanhaudenhuyse, Audrey - Évaluation de la perception consciente chez des patients non communicatifs: Approche comportementale et par neuroimagerie
- Pirotte, Dorotheé - Étude des isoformes de Neuroguinée-1 et -2 dans la prolifération et la différenciation des cellules souches nerveuses au cours du développement
- Canta, Corinne - Le fonctionnement exécutif chez l'enfant: Approche développementale et neuropsychologique/executive function in children: a developmental and neuropsychological approach

Présentation  Recherche thèse  Dépôt thèse  Accès gestionnaires

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 BICF8 : accès à la page d'accueil BICF8 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.)
Specificities of ORBi

• **One system for two purposes:** combines
  - Open repository
  - AND institutional bibliography

• **Deposit totally made by ULg authors themselves**
  (maybe helped by representatives)

**Libraries (ORBi staff)**
  - develop and improve the system
  - add functionalities to help authors
  - inform authors, organize formations, promote ORBi internally and externally
  - ...

**BUT**
  - Don’t archive ANY reference or full text in ORBi
The ORBi adventure...

• Step 1: groundwork (2005 – June 2008)
  (analyse of the specificities of ULg publications in various disciplines, main strategic choices, development of the system, initial communication…)
  with pilot groups (not randomly chosen… but strategically selected)

• Step 2: kickoff (July 2008 – November 25 2008): voluntaries

• Step 3: generalization : official launch: November 26 2008
  (November 2008 – February 2009)

• Step 4: consolidation (March 2009 – July? 2010)
  (retrospective deposit of a large part of publications since 2002)

• Step 5: routine (August 2010? – )
  (essentially deposit of current publications: +- 10/day?)
Success?

- Yes! Far beyond our most optimistic expectations!

![Graph showing the Evolution of deposits on ORBi](image)
Success!

More than 45,000 references

- 75.6 references added /calendar day
- Extreme peak with 700 references added on a single day!
- Far beyond 10/day expected for routine!

According to ROAR (http://roar.eprints.org), ORBi is

- 37th out of 1042 research institutional or departmental repositories regarding the total number of records
- 3rd in high activity level (number of days in the last year with more than 100 deposits a day)

What about FT and OA?

- More than 27,000 with Full Text (60.5%)
- More than 12,500 OA (46.5% of FT)
Success!

- ULg members publish more than expected
- Max/year not yet reached
- For previous years, the job is far from over…
Why?

• At least, a combination of 3 factors:
  – first of all: a strong institutional policy
ULg Policy

...The day when everything happened...

November 2005: “OK, we’ll do it!”

A strong mandate ("ULg mandate")

- All scholarly publications since 2002 of all ULg members HAVE to be deposited into ORBi

- All scholarly articles of all ULg members since 2002 HAVE to be deposited WITH full text (open or restricted access, according to the publisher’s policy: ID/OA immediate deposit – optional access)

A strong incentive for the scholars

Some months after the official launch of ORBi only those references archived in ORBi were to be taken into account for evaluations, appointments, promotions, budget allocations, grant application etc.!
Effective?

Look at the deposit graphic during the recent promotion campaign...

Evolution of deposits on ORBi

- Number of references
- Number of references with FT
- Linear trend since official launch (Nov 2008)

Faculty staff promotion campaign!

Motivated, isn’t it!
Enough to explain?

No!

- Many more references than required:
  - 38.2% of archived references older than mandated (2002)
  - Many authors understand “scholarly publication” in a very broad sense
    - Not only “traditional publications”
    - But also unpublished conferences, internal and external reports, learning materials, discourses and speeches…
  - Scholars ask us to let them add references of colleagues who no longer belong to ULg (retired, dead…)

- Many more FT than required:
  - 48.8% of articles older than 2002 with full text!
  - 40.4% of “non articles” with full text!
• 81.5% “traditional” publication
• 18.5% other types
Why?

- At least, a combination of 3 factors:
  - first of all: a strong institutional policy
  - the multi-players characteristics of ORBi
1. **Leading role: authors**
   - **Role:** adding all the references

   *Keep back your paternity! It’s your job and nobody can do it better than yourself!*

   *For us, the most important for a scholar is to teach and to search. The academic output of searching is scholarly publication. It’s just as their children. Thus scholars can’t continue to abandon their children just after publication! They have to take care of them in their whole life. No more orphans among publications!*

   - **Shared and collaborative work**
     * The task is shared - publications by several ULg authors are introduced only once.
     * Each of them can see and modify what is being done by the co-authors

   *spare time!*

     - **And the responsibility too!** One makes a mistake? All will suffer! So, feel concerned by the quality!
2. Academic librarians: well placed to carry out such a project

- Specific skills in touch with
  - bibliographic databases and structure of information
  - specificities of scholarly communication in the different disciplines
- Main concern for us

Thus ORBi project team directly put under the leadership of the head librarian, daily involved in the project

- Sign of the importance for the Institution
- Large freedom of action (strategic choices… ) => coherence & effectiveness

Roles:

- Whole development of the tool (conceptualization, designing the architecture, workflow definition, functionalities development, integration with internal and external tools, defining typology and classification, layout…)
- Referencing
- Promotion and training sessions
- ...and daily monitoring of deposits. All the job behind the scenes…
3. ULg authorities

Roles:

- define and promote the ULg mandate
  - externally and internally
  - effectively
  - actively
  - consistently
  - ... and without any exception for a "dear colleague..."

- trust the Library Network
  
  ...and let the ORBi team a large freedom of action
Why?

- At least, a combination of 3 factors:
  - first of all: a strong institutional policy
  - the multi-players characteristics of ORBi
  - the user-oriented improvement of the repository (focus on needs)
    - User-friendliness of submission
    - Added values
    - Sweat once, win many times…
User-friendliness of submission

- **The challenge:**
  - improve the standard submission process of DSpace
  - to an easy, quick (5-10 minutes) but also powerful process, meaningful for scholars from various disciplines
    in touch with the needs and wants of scholars and of the institution

- **Some improvements made:**
  - Creating of *groups of submissions* according to their status (submissions in progress by the authors, submissions in progress by co-authors, submissions to be signed…)
  - Standard DSpace submission *steps reduced* and reorganized logically in 4 steps
    (bibliographic elements – additional info – full text – validation)
  - Dynamic *form adapting* to document types (book, chapter, article…) avoiding non pertinent fields
  - Unambiguous distinction between *mandatory* and *optional* fields
  - *Context sensitive help*
Your references have been viewed **2168 times** and your full texts downloaded **479 times**

### Submission(s) in progress [2]:

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<td>L’impact des formations à la maîtrise de l’information sur la performance scolaire des étudiants ...</td>
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<td>Reneville François, Thirion Paul</td>
<td>From Liber to Aleph: The migration story</td>
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### Submissions in progress for signature or validation [1]:

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<td>Thirion Paul, Reneville François, Baptiste Myriam</td>
<td>ORBi in orbit, a user-oriented IR for multiple views: why scholars take a real part in the success ...</td>
<td>7-Jul-2010</td>
<td>Scientific congresses and symposiums - Unpublished conference</td>
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### Imported reference(s)[1]:

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<td>Scientific congresses and symposiums - Poster</td>
<td></td>
<td>Paul Thirion</td>
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### 1. Bibliographic reference

Choose the document type, then enter requested information. The fields marked with an asterisk (*) are compulsory.

#### Preliminary information

- **Document type**: Scientific congresses and symposiums => Unpublished conference
- **Language**: English
- **Discipline(s)**: Social & beh.

#### Bibilographic information

- **Communication title**: ORBi in orbit, a user-oriented IR for multiple wins: why scholars take a real part in
- **Alternative title**: 
- **Speech/lecture date**: Year: 2010, Month: July, Day: 7
- **Page number**: 
- **Peer reviewed**: Yes
- **By request**: Yes
- **Audience**: National, International
- **Event name**: OR2010 - The 5th International conference on Open Repositories
- **Event organizer**: FECYT (Fundación Española para la Ciencia y la Tecnología)
- **Event place (city)**: Madrid
- **Event country**: Spain
- **Event date**: July 6 - 9 2010

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**Unpublished conference**
- Paper published in a book
- Paper published in a journal
- Poster
User-friendliness of submission

– Dynamic drop down lists for assisted encoding fields linked to:
  - [LDAP](#) for adding ULg authors (with email, affiliation…) and managing different forms of names (husband’s name…)
  - a local developed database with 40,000 serial titles with abbreviated title, ISSN, E-ISSN, publisher, peer reviewing status…)
  - SHERPA/RoMEO database
  - specific home-made databases (funders, research centers…)
User-friendliness of submission

– Dynamic drop down lists for assisted encoding fields linked to:
  • **LDAP** for adding ULg authors (with email, affiliation…) and managing different forms of names (husband’s name…)
  • a local developed database with 40,000 serial titles with abbreviated title, ISSN, E-ISSN, publisher, peer reviewing status…
  • SHERPA/RoMEO database
  • specific home-made databases (funders, research centers…)

– Legal assistance
  • home-made legal guide, detailed and didactic: legal questions about publishing and deposit in institutional repositories
  • support by a lawyer (member of the ULg Library Network)
  • tool box with templates available
    – IR amendment to the usually “one-way” agreement author – publisher
    – mail templates to get authorization of publishers for OA
    – …
**File(s) associated to this reference**

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For Open Access documents (with or without embargo), an automatic email is sent to all co-authors with a cited e-mail address inviting them to sign an Open Access diffusion license.

Without any reaction within 30 days, it is supposed that the author consents to the online diffusion.

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**ENGLISH VERSION BELOW**

**CONVENTION DE LICENCE**

1. L'Université de Liège, place du 20 août 7 à 4000 Liège
   Représentée par Monsieur le Professeur B. Bastin, Duttine
   ci-après dénommée "l'Université"

2. - Thirion, Paul - Paul.Thirion@ulg.ac.be [Université de Liège - ULg > CARE "Le Réseau des bibliothèques de l'ULg" > CARE "Réseau des Bibli. ULg" ] (Signed on 2010-07-04)
   - Renaville, François - François.Renaville@ulg.ac.be [Université de Liège - ULg > CARE "Le Réseau des bibliothèques de l'ULg" > CARE "Réseau des Bibli. ULg" ] (Signed on 2016-07-04)
   - Bastin, Myriam - Myriam.Bastin@ulg.ac.be [Université de Liège - ULg > CARE "Le Réseau des bibliothèques de l'ULg" > CARE "Réseau des Bibli. ULg" ]

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I grant the license  I do not grant the license
User-friendliness of submission

- Import tool for PubMed, WOS, SAO/NASA, EndNote X, BibTeX
  (references to be verified, improved and validated by the author)

- A very reactive “hot line”:
  Any question (*)?

  ORBi staff tries to give you an effective response in maximum 1 day!

(*) including stupid, naive, repetitive, fallacious…
Added useful values for scholars

• **Long term preservation**
  - No more necessary to keep in mind on which computers are stored the latest versions of all papers published by my laboratory (computer change, mobility…)
  - They are on ORBi! And they will remain there and be preserved in the future

• **Automated bibliometrics & statistics**
  - [ORBi statistics](#) number of views and downloads (updated daily)
    - from or outside ULg
    - only **human accesses** (excluding access from more than 20,000 spiders)
    - by reference, by author, globally, by month, by country, top 20…
Effects of platelet-rich plasma on rats' Achilles tendon healing
KAUX, JEAN-FRANÇOIS, ORION, PIERRE, LIBERTAUX, VINCENT et al
Scientific journal

Etude comparative de 5 techniques de préparation plaquettaire (Platelet-Rich Plasma)
KAUX, JEAN-FRANÇOIS, LE GOFF, CAROLINE, SEIDEL, LAURENCE et al
in Pathologie Biologie (in press)
Aim of the study: Injections of platelet-rich plasma (PRP) constitute a new therapeutic for treating chronic tendinopathies. The injection being carried out in the tendon, the volume of PRP should thus be ...

Physiotherapy Intervention for Joint Hypermobility in Three Cases with Heritable Connective Tissue Disorders
KAUX, JEAN-FRANÇOIS, FOIDART-DESSALLE, MARGUERITE, CROISIER, JEAN-LOUIS et al
in Journal of Musculoskeletal Pain (in press), 18(3)
Introduction: In Joint Hypermobility Syndromes, chronic pain is the most disabling symptom. Its origin can be multiple (i.e. subluxations, sprains, pathologies of tendons, ligaments, peripheral nerves ...

L’image du mois. Exostose douloureuse de la métaphyse distale du fémur
HOGGE, MARTINE; KURTH, WILLIAM; CRIELAARD, JEAN-MICHEL et al
in Revue Médicale de Liège (in press)

VEGF-111 as a new therapeutic tool for tendon lesion

Detailed reference viewed: 39 (21 ULg)
Detailed reference viewed: 216 (68 ULg)
Detailed reference viewed: 211 (33 ULg)
Detailed reference viewed: 7 (0 ULg)
Only the hits/downloads carried out by individuals are considered. The hits/downloads carried out by the tens of thousand of search engine robots (crawlers) have been ruled out.

The statistics are updated every night. Last update: 06/07/2010 0:5

Number of visualizations by month

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Number of downloads by country

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Only the hits/downloads carried out by individuals are considered. The hits/downloads carried out by the tens of thousand of search engine robots (crawlers) have been ruled out.

The statistics are updated every night. Last update: 04/07/2010 0:7

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Total downloads: 479

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Added useful values for scholars

• Long term preservation
  – No more necessary to keep in mind on which computers are stored the latest versions of all papers published by my laboratory (computer change, mobility…)
  – They are on ORBi! And they will remain there and be preserved in the future

• Automated bibliometrics & statistics
  – ORBi statistics number of views and downloads (updated daily)
    • from or outside ULg
    • only human accesses (excluding access from more than 20,000 spiders)
    • by reference, by author, globally, by month, by country, top 20…
  – Impact factor (current and from the year of publication), IF5, Eigenfactor, article Influence (updated daily for new references)
  – Citations (updated weekly)
    • Google scholars citations
    • Web of Science citations
Added useful values for scholars

- Referencing! Be more visible!

Not sure everybody in the world will think: "There is a beautiful university in a little country named Belgium with a fantastic ORBi system. Let see if somebody there has published something interesting!"

Active referencing to be visible
- On large harvesters (OAIster, Driver, Scientific Commons, Base…)
- Google Scholars
- Popular search engines
- …
• Automated tool for generation of **publications report**
  – with
    • Different output formats (PDF, HTML, DOC, XML)
    • Neat layout
    • Personalizations options
      – Specific requests
      – Different presentation models defined in collaboration with different faculties (STM, law, humanities…)
      – Different international bibliographic formats (APA, Chicago)
      – Optional elements (abstract, peer review status, bibliometrics…)
      – Sorting facilities, personalized report title…
  – Usable for
    • applying for appointments, promotions or budget allocations in ULg
    • adding a dynamic link to publications from a personal or service WWW page
    • generating a personal Curriculum vitae
    • submitting a file to the national scientific research fund (FNRS/FRS) *(they CAN use it in 2010 - they HAVE TO DO since 2011)*
    • preparing an external funding call (EU…*)
3. Articles in peer reviewed academic journals

3.a. With an international target audience

As first or last author

Rentier, B., & Gershon, A. A. (2004). The Oka varicella vaccines are more equal than different. Vaccine, 22(25-26), 3225-3226.
http://hdl.handle.net/2268/3120
Peer reviewed (verified by ORBi)
ORBi viewed: 24 (5 ULg) ; downloaded: 5 (1 ULg) — Google Scholar cit.: 4 — WOS: 2
IF 2004: 2.824; last: 3.616; IF5: 3.508 — EigenF 2004: 0.0543; last: 0.0692 — Article Infl. 2004: 0.7957; last: 0.8158

http://hdl.handle.net/2268/3121
Peer reviewed (verified by ORBi)
ORBi viewed: 22 (5 ULg) ; downloaded: 0 — Google Scholar cit.: 69 — WOS: 43
IF 2004: 2.735; last: 2.854; IF5: 3.312 — EigenF 2004: 0.0315; last: 0.0307 — Article Infl. 2004: 0.8825; last: 1.0766
The seriousness of varicella-zoster virus (VZV) infection as a public health issue is becoming clearer as country-specific epidemiologic and pharmacoeconomic data become available. In Germany, for example, studies have shown that >5.5% of immunologically healthy individuals develop varicella-related complications such as bacterial superInfections, acute neurologic disorders, pneumonia, bronchitis ...

http://hdl.handle.net/2268/3558
Peer reviewed
ORBi viewed: 26 (4 ULg) — Google Scholar cit.: -

http://hdl.handle.net/2268/4164
Peer reviewed
ORBi viewed: 98 (4 ULg) ; downloaded: 4 — Google Scholar cit.: -
Varicella-zoster virus is a Herpesvirus responsible for three distinct clinical features : chicken pox (Vaccinia), shingles (herpes zoster) and postherpetic neuralgia.
Sweat once, win many times...

- Automatic link from the staff directory (phonebook) of ULg
Why?

- At least, a combination of 3 factors:
  - first of all: a strong institutional policy
  - the multi-players characteristics of ORBi
  - the user-oriented improvement of the repository
    - User-friendliness of submission
    - Added values
    - Sweat once, win many times...

- And maybe an additional one: the "buzz effect"
  
  With so many emails generated by ORBi and sent to co-authors: impossible to say "I didn’t know…"
  "Oh! My colleague does it? So, I have to do it too!"
All positive? ORBi in orbit?

Certainly Not!

So many things to do, so many problems to resolve, so many challenges!

- some duplicates (<1%) and encoding errors
- some middle-sized or small publishers don’t understand what is OA and IR
- some author’s fears: lack of knowledge about their rights. Too many restricted access
- some authors reluctant: “No time”; “Not my job”...

- improve and improve the tool and add new functionalities and links
- collaborate with nearby institutions to promote IR and realize large harvesting
- communicate, communicate and communicate again to convince about OA!

ORBi is still young and keep growing and changing… The road to maturity is still long!

This will be the coming episodes of the ORBi adventure…
ORBì:  http://orbi.ulg.ac.be

“ORBì in orbit” abstract and slides (in a few days)
http://hdl.handle.net/2268/65254
http://orbi.ulg.ac.be/handle/2268/65254

Contacts:
ORBì staff: orbi@misc.ulg.ac.be
Paul.Thirion@ulg.ac.be (head of ULg Library Network)

…Thank you for your attention!