Promoting the Open science culture in university libraries of developing countries: *case studies of the French-speaking universities of Belgium cooperation programs in the Global South.*

Dr **Frédéric Brodkom**, Library Manager, Invited Lecturer,
UCL - Université catholique de Louvain
BST Library and learning center of sciences and technologies

Dr **Bernard Pochet**, Library Manager, Invited Lecturer,
U Liège - Université de Liège
Gembloux Agro Bio-Tech Library

for
ARES-CCD
Fédération Wallonie-Bruxelles – Académie de recherche et d'enseignement supérieur
Commission de la coopération au développement

Six campuses in Belgium



Université catholique de Louvain

since 1425, … at Leuven
and since 1973, at Louvain-la-Neuve and Brussel Woluwe
more recently in other locations



Louvain-la-Neuve

Université catholique de Louvain (Belgium) : 14 faculties

(2015-2016)



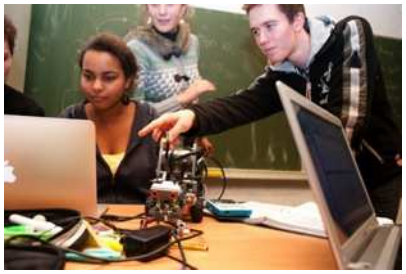
> **Human Sciences** (15 773 students)

Law and criminology
Economic, Social, Political Sciences and Communication
Louvain School of Management
Philosophy, Arts and Letters
Psychology and Educational Sciences
Theology



> **Health Sciences** (7 753 students)

Medicine and Dentistry
Pharmaceutical and Biomedical Sciences
Public Health
Motor Sciences
Veterinary Medicine



> **Science and Technology** (5 330 students)

Sciences
Louvain School of Engineering
Architecture, Architectural Engineering and Urbanism
Biological, Agricultural and Environmental Engineering

UCL Library and learning center of sciences an technologies

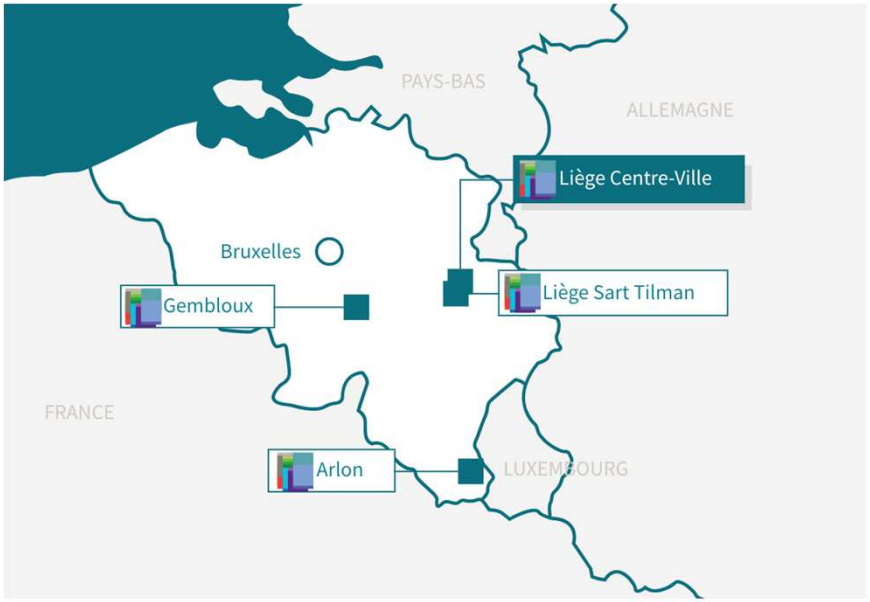
New building since sept.-2014





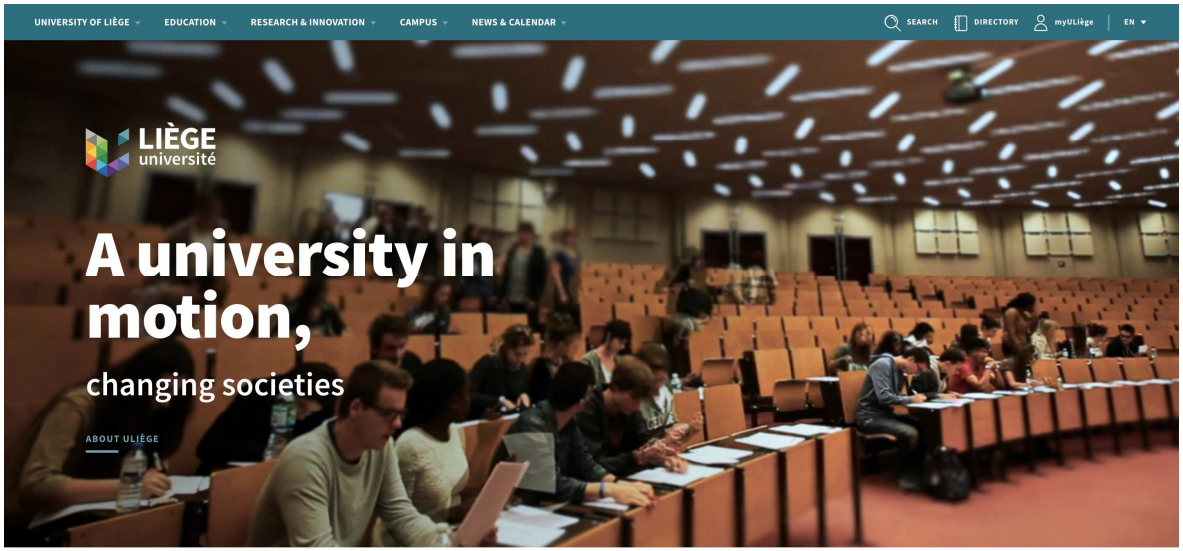






Université de Liège

since 1817, … at Liège
1 university, 3 cities, 4 campuses
Liège city center, Liège Sart Tilman, Gembloux, Arlon



Université de Liège (Belgium) : 11 faculties - 23,758 students







> Human Science

Architecture
HEC Liège, School of Management
Law, Political Science and Criminology
Philosophy and Letters
Psychology, Speech Therapy and Education Sciences
Social Sciences

> Health Sciences

Medicine
Veterinary Medicine

> Sciences and Technology

Applied Science
Gembloux Agro-bio Tech
Science



ULiège Library – The library as a service !



Five sub-libraries :



Then years of Open Access :

OPEN ACCESS WEEK 2017

- ✓ Orbi : Open repository and bibliography
- ✓ PoPuPs : the publication portal for scientific periodicals
- ✓ MatheO : Master Thesis Online
- ✓ DONum : Deposit of Digitized Objects

ARES ACADÉMIE DE RECHERCHE ET D'ENSEIGNEMENT SUPÉRIEUR

ARES, the Academy for Research and Higher Educaton (07-11-2013)

6 Universities	**20** High School
16 Colleges of Arts	**100** Adult education school

- » Public interest body
- » Brings together the **42 French-speaking higher education institutions** of Belgium
- » And 100 adult education school
- » Carries out **general coordination** while preserving autonomy & specificities
- » Organises the **dialogue** & promotes **collaborations** at national & international level
- » Supports HEIs in their **Teaching**, **Research** & **Community service** missions
- » Strengthen **visibility**

12(+3) Standing committees

Mobility	Information on studies	Success
Development Cooperation	International Relations	Student Life
Sustainable development	Quality	Research Valorisation
Statistics	Libraries & common services	Lifelong Learning

» Prepare the **deliberations** on the topics they are dedicated to

» Members chosen for their **expertise**: academics, teaching & research staff, technical & administrative staff, students…

» **Students** comprise **50%** of 2 of them (Success & Student Life)

Registration refusal	Inclusive HE	Women & Science

ARES ACADÉMIE DE RECHERCHE ET D'ENSEIGNEMENT SUPÉRIEUR

The ARES-CCD approach

" Strengthen the capacities of our academic partners with a view to OWNERSHIP

/ OWNERSHIP

" Support PARTNERSHIPS to increase help EFFECTIVENESS

/ PARTNERSHIPS

OPEN ACCESS

" Commit in line with the principles of academic AUTONOMY and right of INITIATIVE

/ INITIATIVE

" Commit in the LONG TERM to ensure the SUSTAINABILITY of our actions

/ SUSTAINABILITY

ARES ACADÉMIE DE RECHERCHE ET D'ENSEIGNEMENT SUPÉRIEUR

31 M€

Annual budget for academic development cooperation / funding by the Belgian Federal Government

= 13.5% Belgian non-governmental budget for Development Cooperation

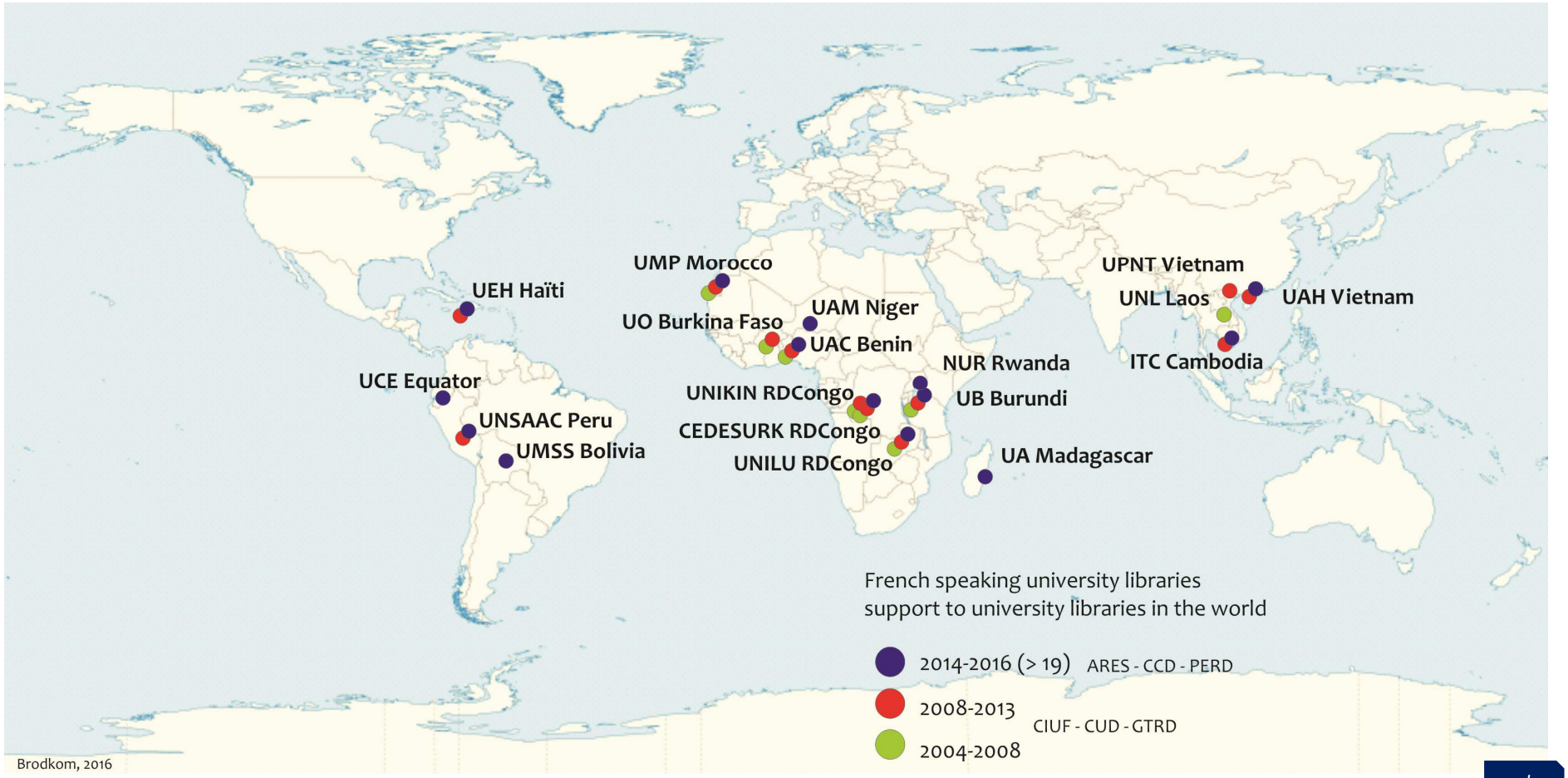


ARES ACADÉMIE DE RECHERCHE ET D'ENSEIGNEMENT SUPÉRIEUR

ARES-CCD-**PERD** : Group of experts in **documentary resources**

Actually (only volunteers !) : 12 librarians or library managers from 5 Universities and 1 Higher school and 1 representative of the ARES permanent staff.

B. Pochet and Fr. Brodkom manage the group since 2013



Subresults expected for library activities

Before 2013 :

1. the number of **information resources** is increased
2. the **services** to users are improved
3. the **quality** of libraries management is improved
4. the skill and **qualification** of staff are improved
5. the **user's awareness** to digital and information literacy is improved
6. the **spaces,** infrastructures and furniture in libraries are improved
7. the computer and **IT equipment** are increased
8. the **network** and the collaborations between libraries are organized

After 2013 :

1 > 8

9. specialized courses to develop the **information literacy** of partners
10. specific services for research are developed : **ILL,** supply of scientific papers, etc.
11. scientific staff is formed to scientific writing and **bibliographic tools** (Zotero, ….)


11. Institutional repository, Unievrsity press, ….
10. Scientific writing
9. Interlibrary loan service
8. Access to specialized resources (OA) : AGORA, Hinari, JSTOR, DOAJ, BASE, …
7. Methodology of documentary research
6. Good practices in the use of libraries
5. Good practices in the support of users
4. Organisation of library spaces and learning center
3. Electronic resources (OA or non-recurring resources : e-book, …)
2. Catalog and ILS
1. Printed resources (books and manuals)
OPEN ACCESS
OPEN ACCESS
OPEN ACCESS
OPEN ACCESS
BAC
MASTER
DOC

The budget :

Actually, a budget for libraries and resources of ***~ 40,000 EUR / year*** *is open for* ***each partner.***

Allowable expenses :

Investment budget	*> Computers, scanner, photocopiers, ….* *> Shelves, tables, chairs, ….* *> Small infrastructures : group rooms, reception desk, ….*
Operating budget	*> Books (included expedition if purchased in Belgium)* *> Stationery, toner cartridge, pre-payment cards for cellular, …* *> Learning sessions : lunch, location of materials, ….* *> Subscription to particular resources (Hinari, etc.)*
Mobility expenses	*> N/S missions (1 > 3 /year for 5 > 10 days)* *> S/N missions (2 missions/year of 1 – 2 librarians for 10 days)*

Grant/awards *for studies and training courses*

And what we do not accept to pay : recurring cost for journals, buildings, staff costs, …

Promoting the Open Access :

- Installation, development and support of Open source ILS – PMB and KOHA
- Harvesting and promotion of OA resources (training session, PERD web site, …)
- Development of Digital Libraries and Institutional Repositories (DSpace, Omeka, …)
- Support to the development of university press to reduce/ abolish costs for students
- Training and awareness-raising of library trainers for OA use in the information literacy courses
- Promotion of the deposit of the research papers and results of cooperation programs in IRs



Installation, development and support of Open source ILS

In the years 2004-5, the PERD has paid a trainee to conduct a survey about the **Open Source ILS** available on the market. The situation of the catalogues and access to information was particularly problematic in some countries ….





The goal was :

- to identify which one of them will be the best suited to the needs and means (*particularly in human resources and capabilities*) of the university libraries in partnership with our cooperation.

- to develop the skill of some of our librarians (*because we use commercial ILS in our universities*) in order to ensure the sustainability of the implementation of free ILS in the partner libraries.

Two products have been selected :

ILS Open-source

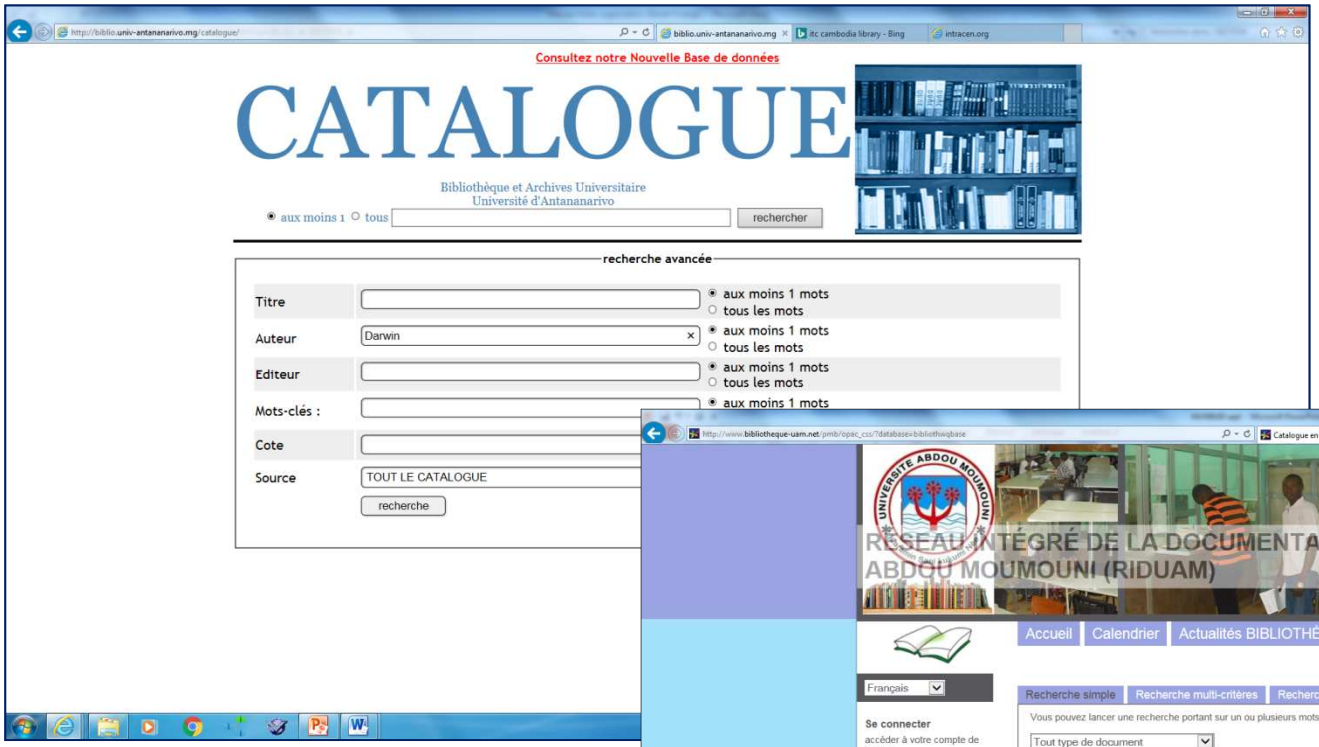
CEDESURK RD Congo
UAC Benin
UA Madagascar
UB Burundi
UNIKIN RD Congo
UNSAAC Peru

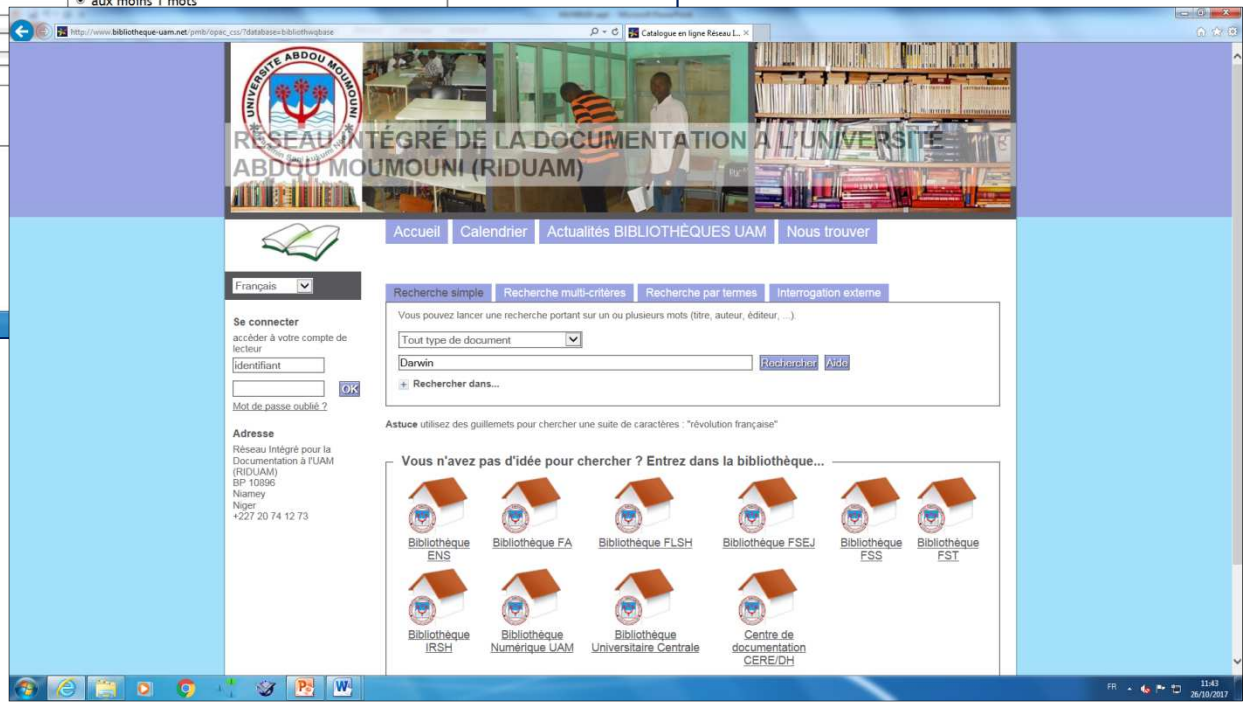
version 17.05.01 of KOHA on Debian 8.7

Libol : UAH Vietnam
ABC : UMSS Bolivia
…

ITC Cambodia (> 2015)
UAM Niger
UEH Haiti
UMP Morocco
UNILU RD Congo

ILS Open-source



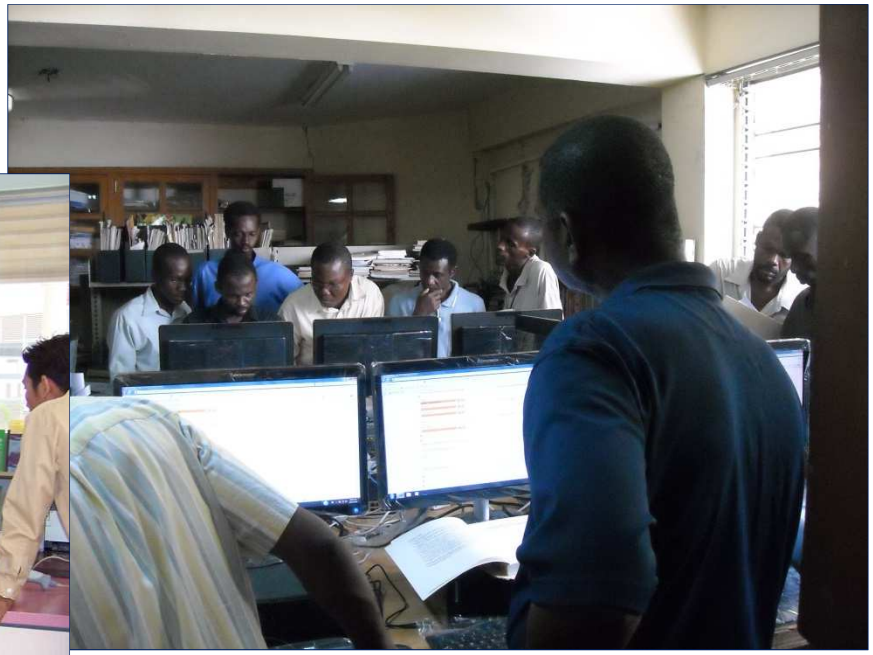


http://biblio.univ-antananarivo.mg/catalogue/
http://www.bibliotheque-uam.net/pmb/opac_css/?database=bibliothwqbase

ILS Open-source

Activities :

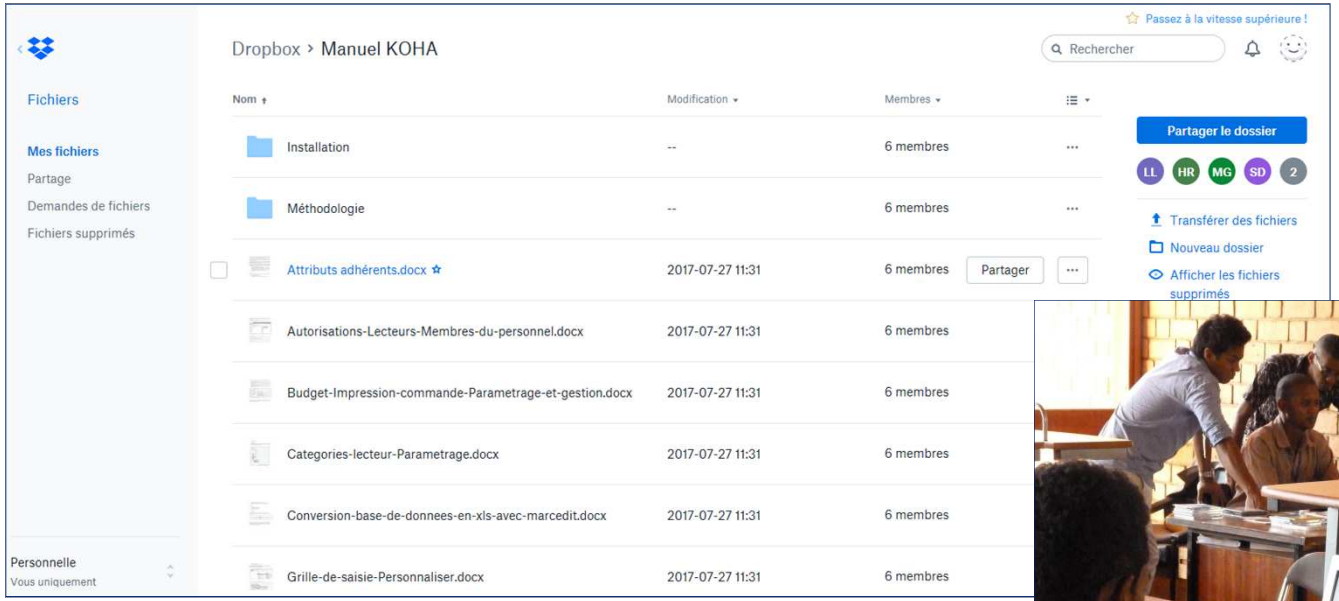
Create local WG of cataloguers
Financial support to installation (server, PC's, …)
Training (in Belgium) of IT team dedicated to libraries
Training (in local libraries) of librarians to cataloguing
Manuals and Wiki
Meeting of users

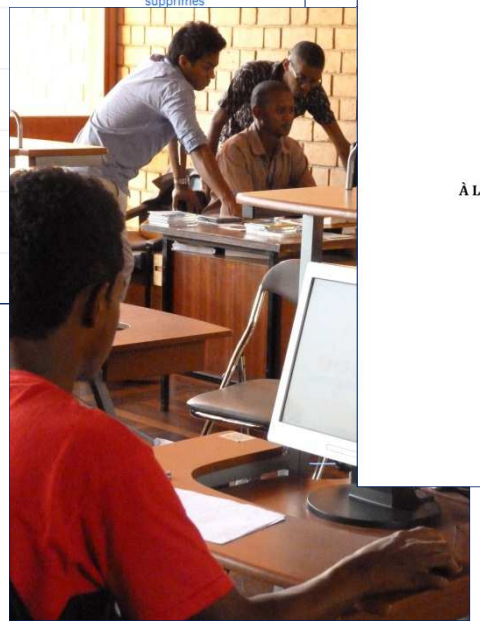


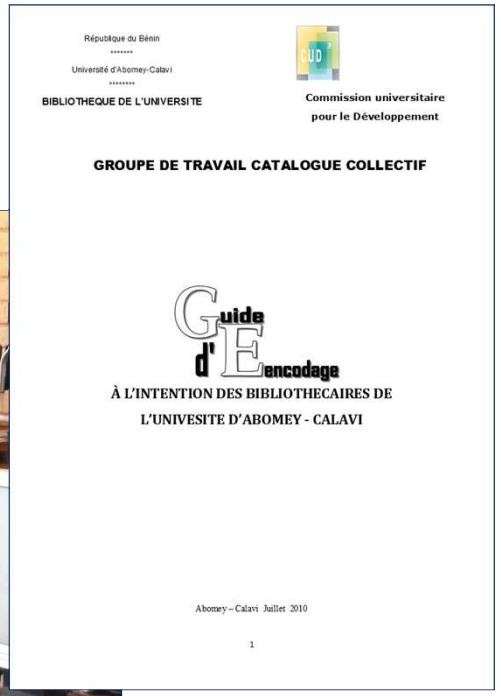


ILS Open-source

In 2018 the PERD will organize an intl' meeting with KOHA users. Participants come from Peru (UNSAAC), Benin (UAC), Madagascar (UA) and Belgium (UCL, UMONS).
The goal is the writing of a "KOHA manual for dummies" for current and future partners.
A collaborative platform was created on Dropbox to prepare the meeting.





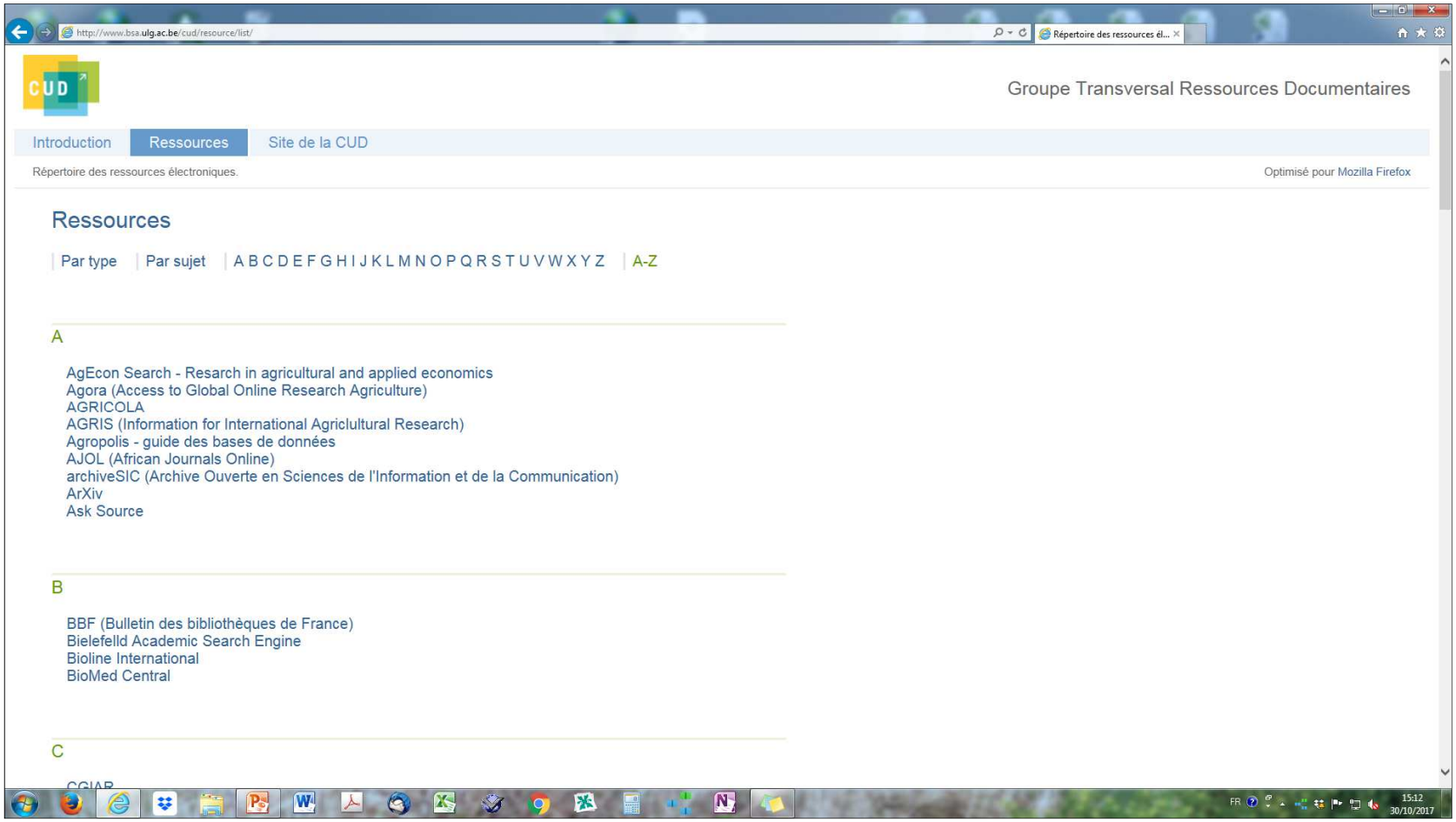


OA resources

Harvesting and promotion of existing OA resources

- (CUD) ARES Portal of OA validated resources
- Support to subscription at UN alternative resources and research platforms (*even if all there content are not only from OA sources*) with a financial support to Group B countries with a low-cost access
  - HINARI of WHO
  - AGORA (FAO)
  - ….
- Learning sessions of presentation and demonstration of OA resources : for librarians and for academic and scientific staffs
- Participation to initiatives to increase the use of resources in OA

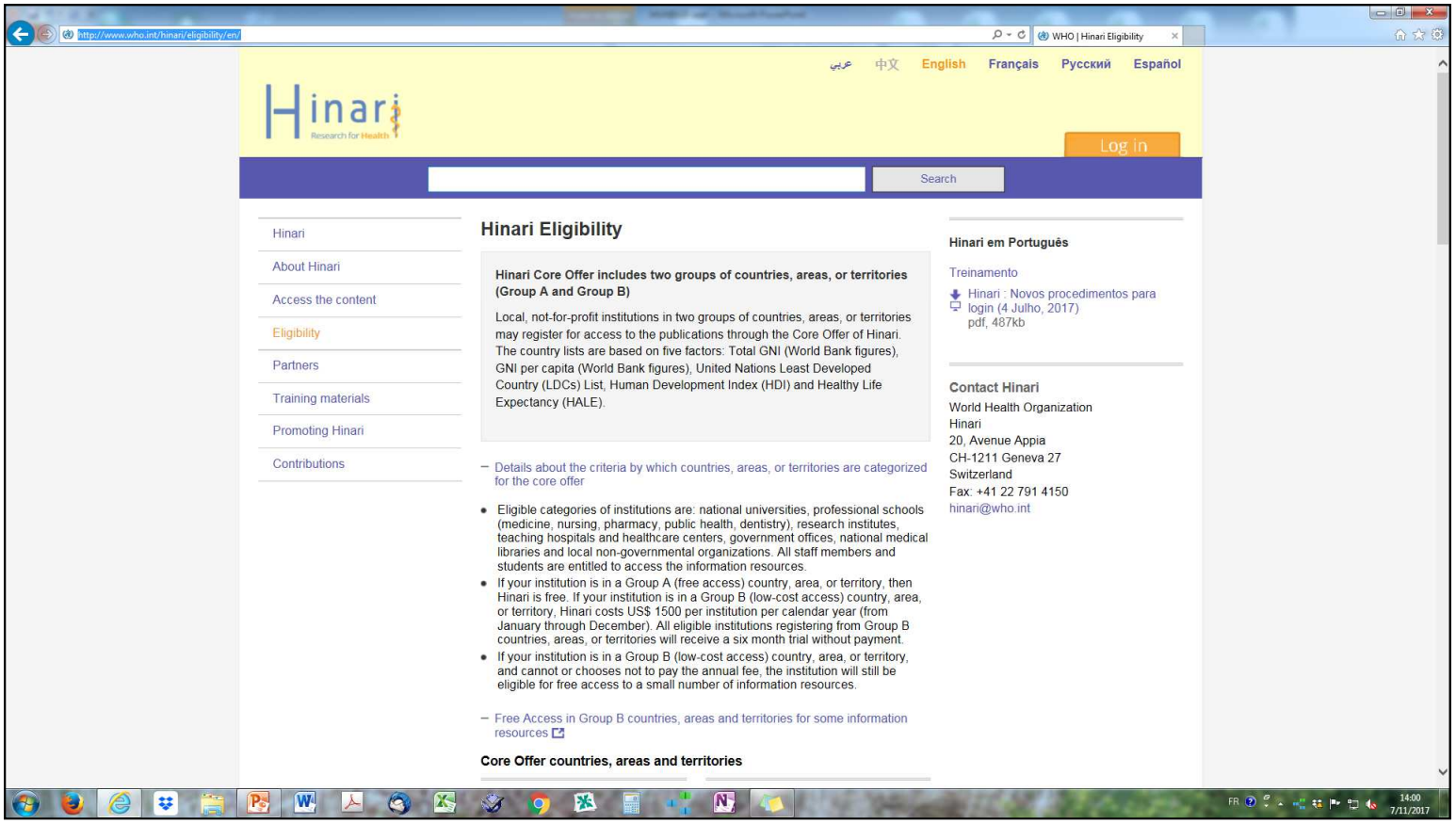
OA resources



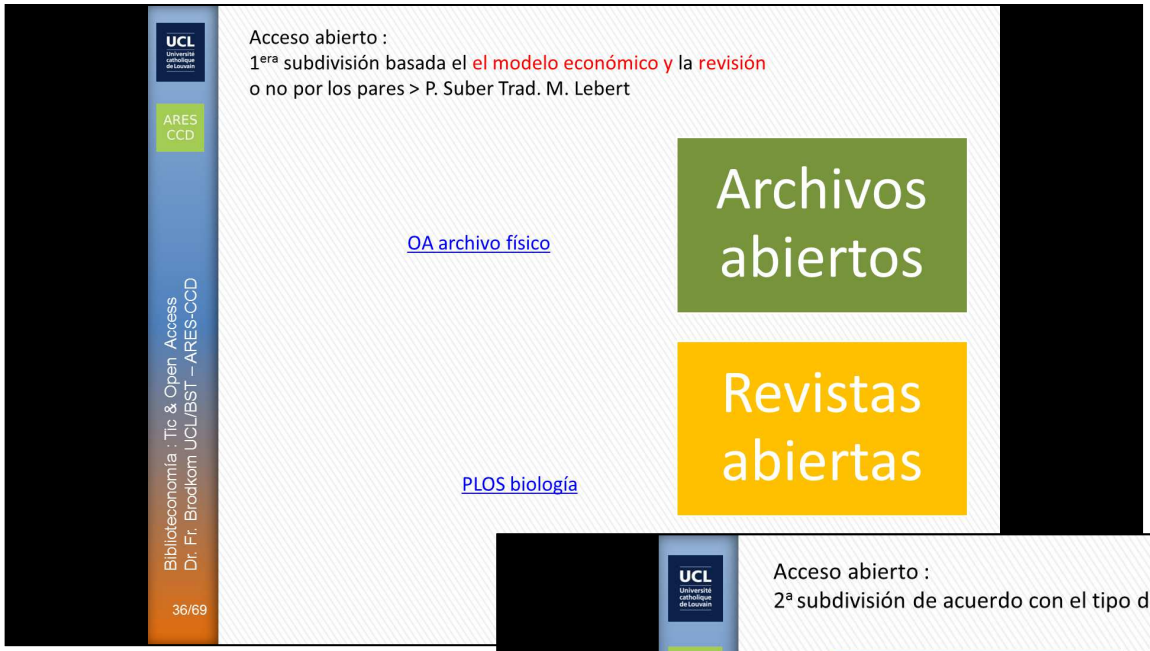
http://www.bsa.ulg.ac.be/cud/resource/

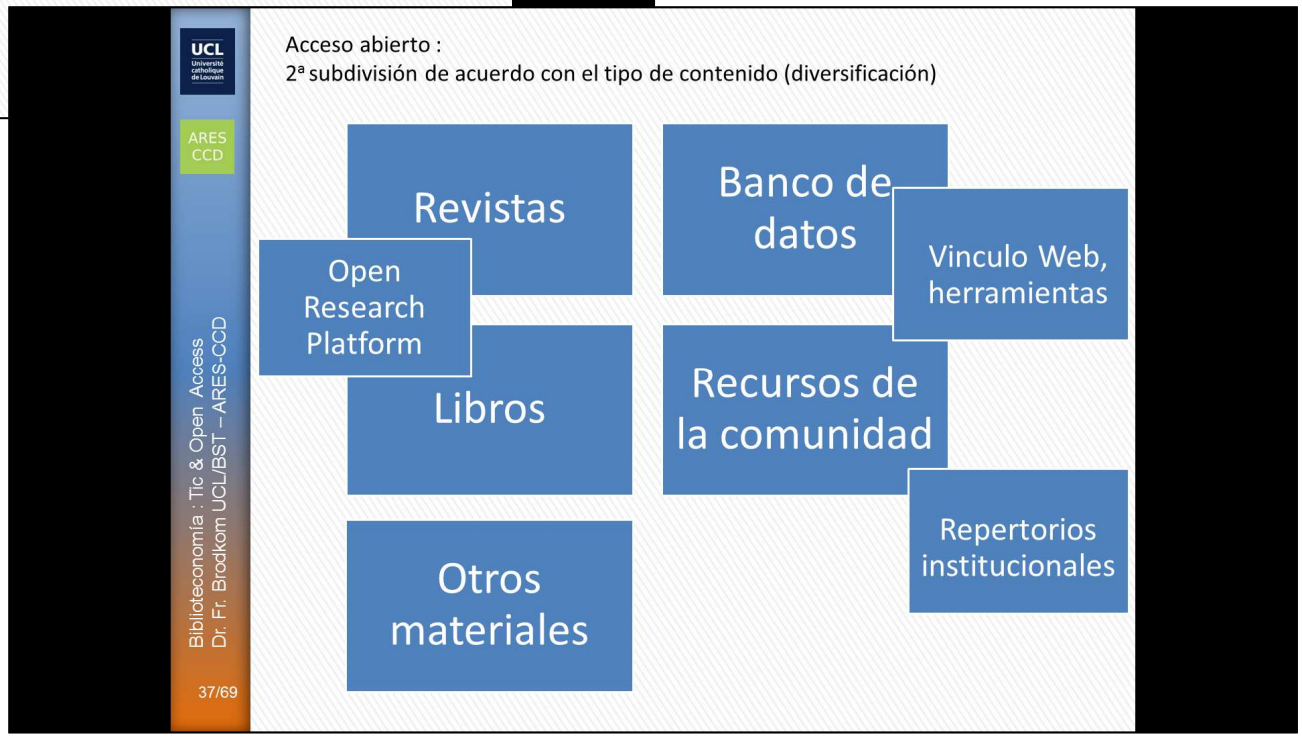
OA resources

http://www.who.int/hinari/eligibility/en/

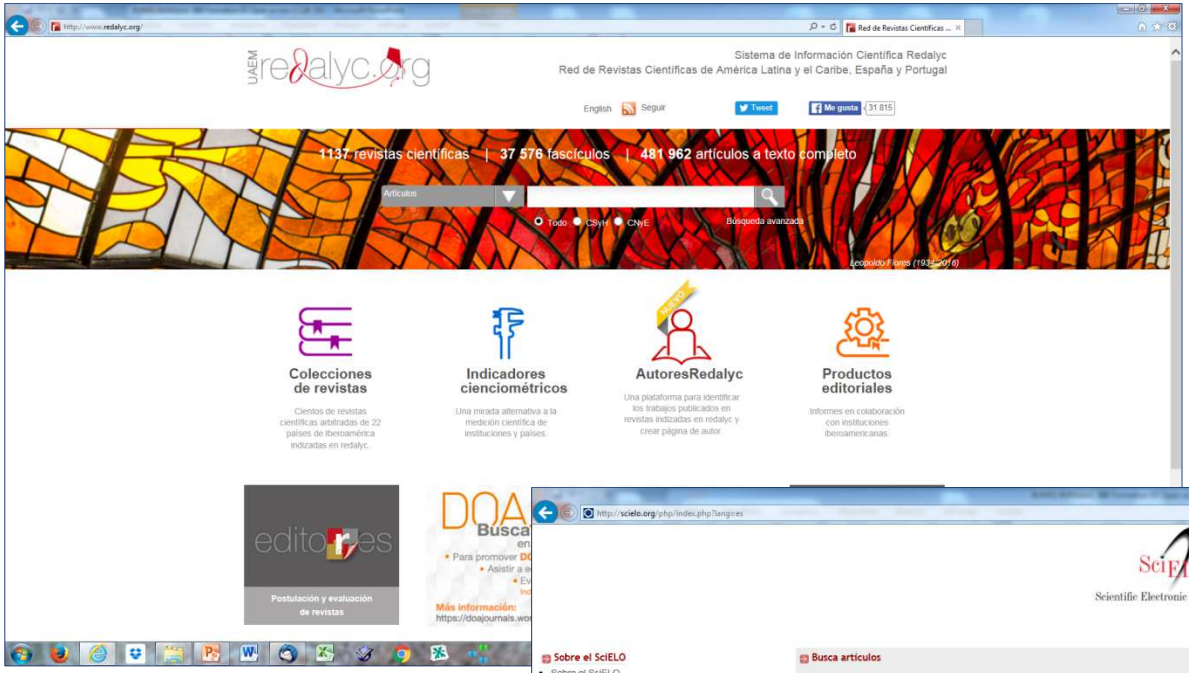


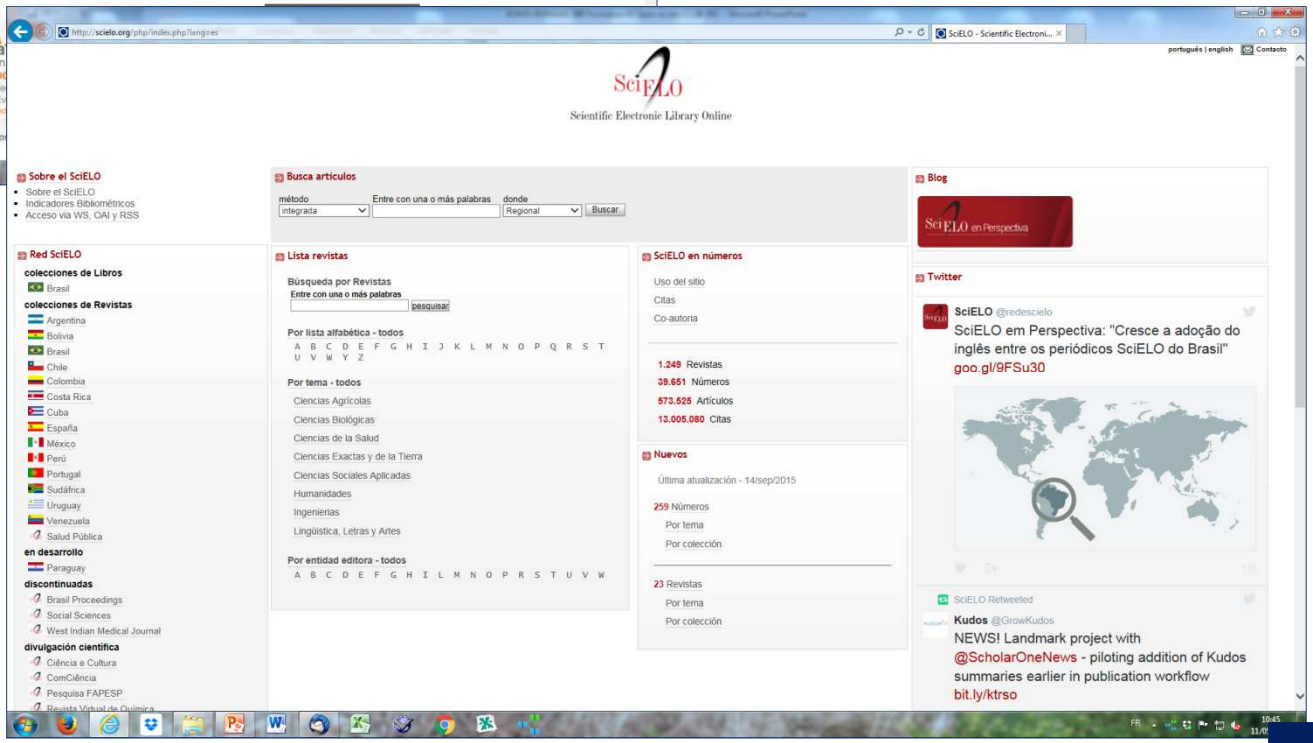
OA resources



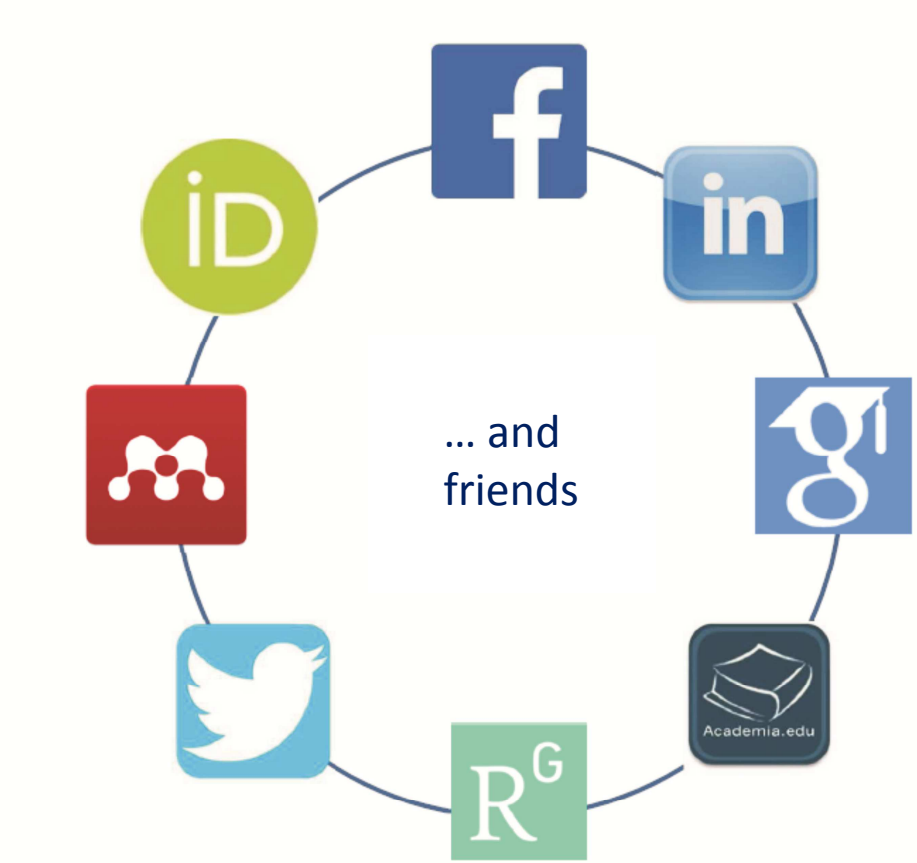


OA resources





Learning sessions of the use of social networks and how they can be an efficient sources of documents



OA resources

Contribution to other international projects :
For example with the Canadian project SOHA in Haïti

Open science as a collective tool of empowerment and cognitive justice in Haiti and French-speaking Africa : building the roadmap.



And also with Spanish AECID, French AUF, …

Development of policies to develop Institutional Repositories

Development of Institutional repositories :

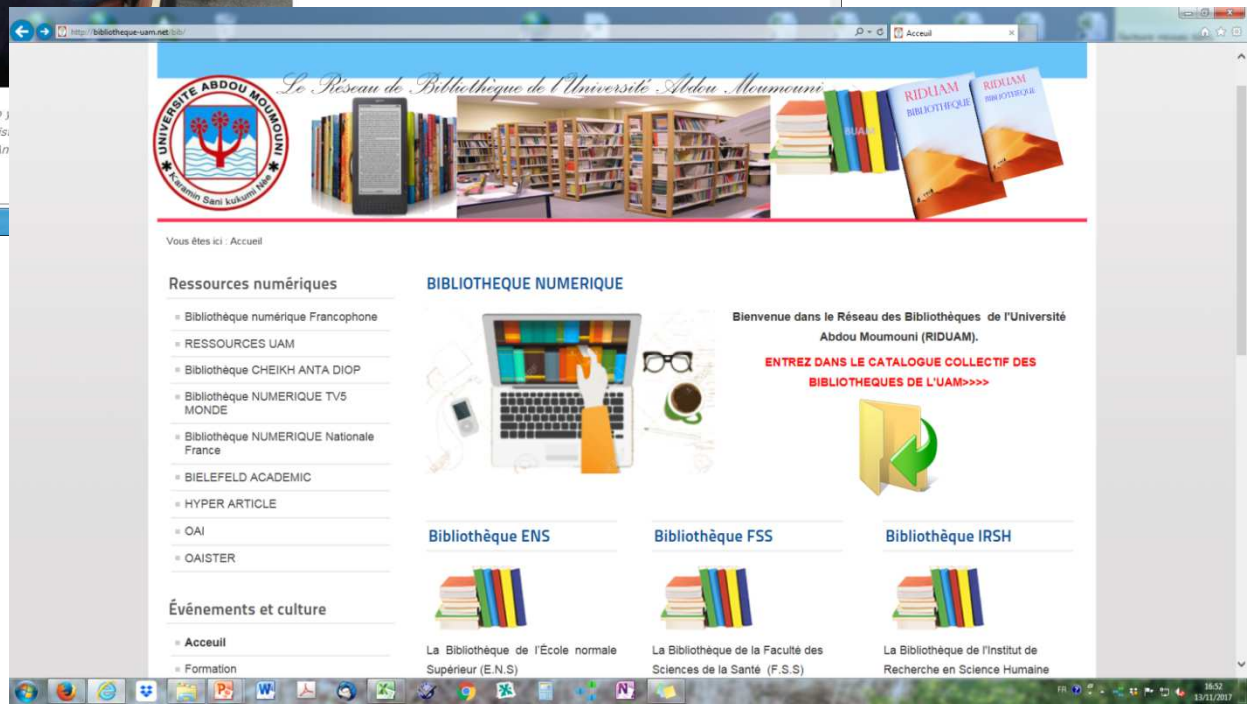
1. Define a global policy for the University partner
2. Legal obligation of deposit for actual and further publications, thesis, …
3. Identify and help a dedicated IT team
4. Choice of the open source solution
5. Local, equipment, scanner, …
6. Continuous support (eventually with other cooperation)

DSPACE

omeka

Dig. Lib and local IR





Support to the development of University press

Activities :

Financial support to creation of University press (equipment, offices, staff, …)
S/N missions of designers, executives, commercials in our universities
Budget for material and equipment
Contribution to publishing costs (translation, etc.)

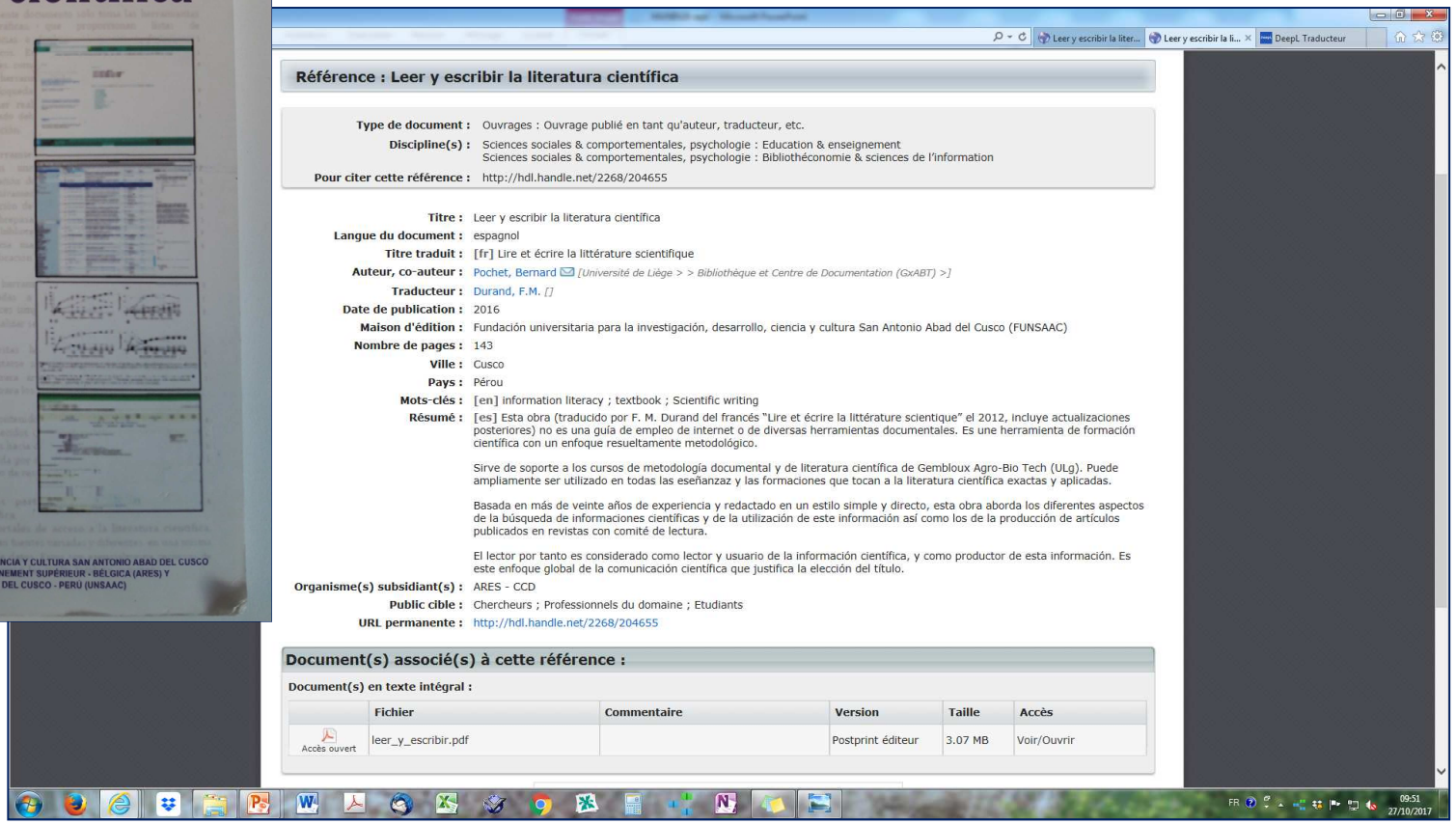
Final objectives :

Facilitate the access (for students) to books and manuals at free or reduced costs
Increase the number of local publications in the Institutional repositories

Univ. Press



Peru (UNSAAC)
Translation of OA book



Référence : Leer y escribir la literatura científica

Type de document :	Ouvrages : Ouvrage publié en tant qu'auteur, traducteur, etc.
Discipline(s) :	Sciences sociales & comportementales, psychologie : Education & enseignement Sciences sociales & comportementales, psychologie : Bibliothéconomie & sciences de l'information
Pour citer cette référence :	http://hdl.handle.net/2268/204655
Titre :	Leer y escribir la literatura científica
Langue du document :	espagnol
Titre traduit :	[fr] Lire et écrire la littérature scientifique
Auteur, co-auteur :	Pochet, Bernard *[Université de Liège > > Bibliothèque et Centre de Documentation (GxABT) >]*
Traducteur :	Durand, F.M. *[]*
Date de publication :	2016
Maison d'édition :	Fundación universitaria para la investigación, desarrollo, ciencia y cultura San Antonio Abad del Cusco (FUNSAAC)
Nombre de pages :	143
Ville :	Cusco
Pays :	Pérou
Mots-clés :	[en] information literacy ; textbook ; Scientific writing
Résumé :	[es] Esta obra (traducido por F. M. Durand del francés "Lire et écrire la littérature scientique" el 2012, incluye actualizaciones posteriores) no es una guía de empleo de internet o de diversas herramientas documentales. Es une herramienta de formación científica con un enfoque resueltamente metodológico. Sirve de soporte a los cursos de metodología documental y de literatura científica de Gembloux Agro-Bio Tech (ULg). Puede ampliamente ser utilizado en todas las eseñanzaz y las formaciones que tocan a la literatura científica exactas y aplicadas. Basada en más de veinte años de experiencia y redactado en un estilo simple y directo, esta obra aborda los diferentes aspectos de la búsqueda de informaciones científicas y de la utilización de este información así como los de la producción de artículos publicados en revistas con comité de lectura. El lector por tanto es considerado como lector y usuario de la información científica, y como productor de esta información. Es este enfoque global de la comunicación científica que justifica la elección del título.
Organisme(s) subsidiant(s) :	ARES - CCD
Public cible :	Chercheurs ; Professionnels du domaine ; Etudiants
URL permanente :	http://hdl.handle.net/2268/204655

Document(s) associé(s) à cette référence :

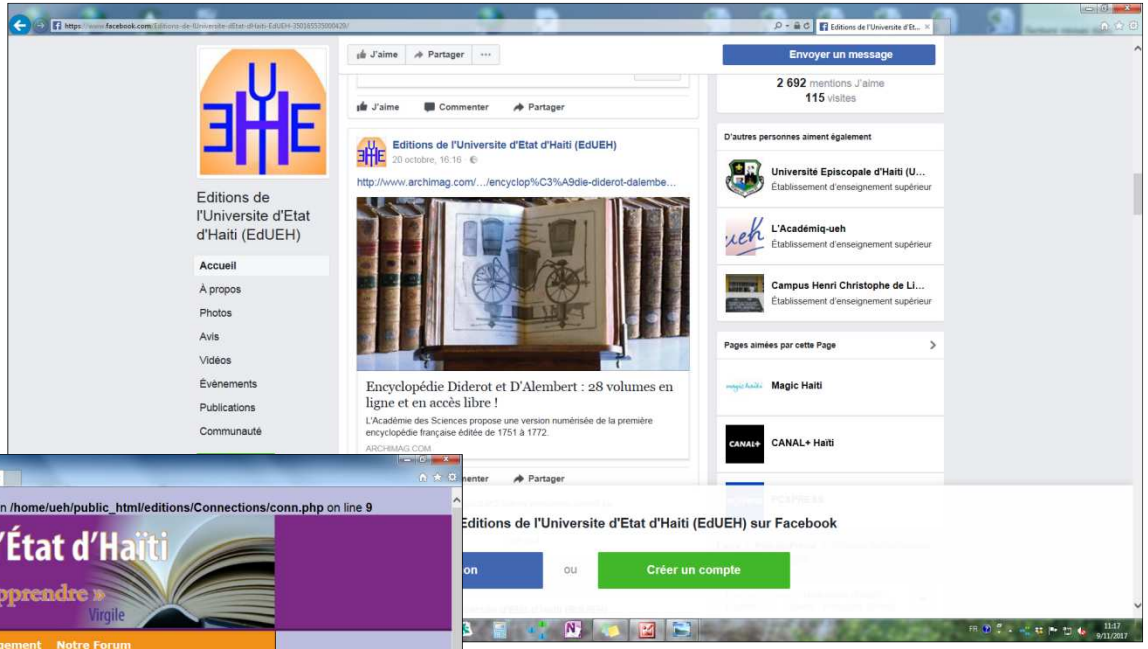
Document(s) en texte intégral :

	Fichier	Commentaire	Version	Taille	Accès
Accès ouvert	leer_y_escribir.pdf		Postprint éditeur	3.07 MB	Voir/Ouvrir

http://hdl.handle.net/2268/204655

Univ. Press

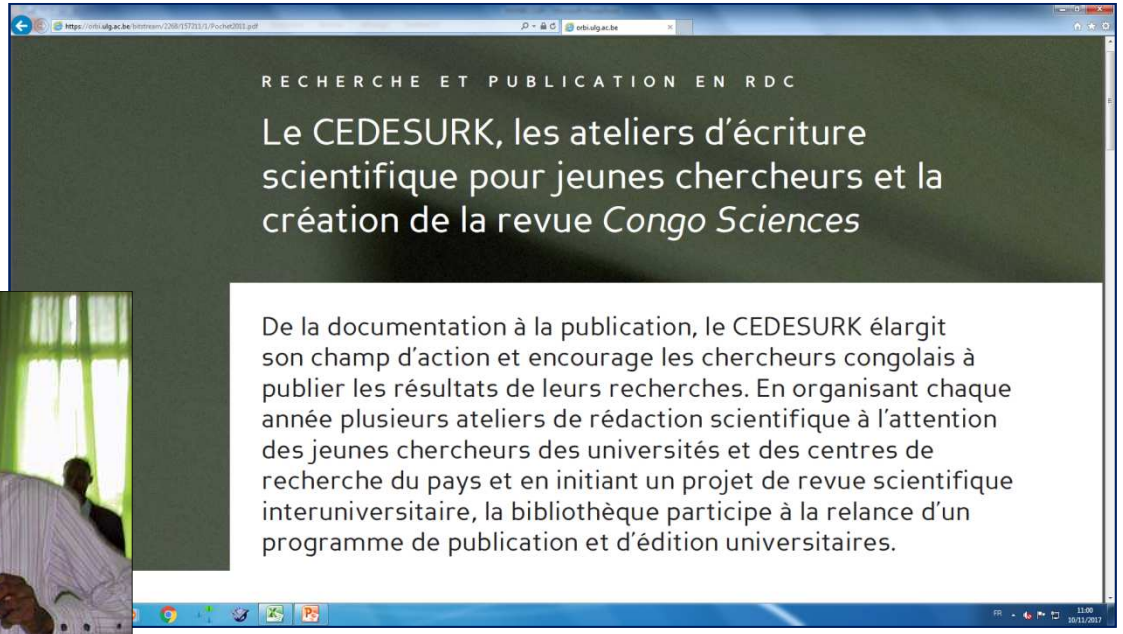
Haiti (UEH) : University press
Approximately 12 titles each year since 2009





Univ. Press

CEDESURK (RD Congo) :
Unité de Reproduction des documents pédagogiques
Scientific writing workshops
OA journal : Congo-Sciences (9 issues online, > 10/2017)





Training of library trainers for OA use in the IL courses

International session of courses and exchange of good practices for library trainers and managers of libraries from our …

- French-speaking partners : 10 days in June-July (each 2 years : 14 participants in 2016)
- Spanish-speaking partners : 7 days in November-December (actually 4 participants each year)



Literacy OA

Each participant has to prepare (before) a project generally linked to the access of documentary resources. The goal of session in Belgium is to share it with the others, to receive help from Belgian librarians and … to finalise the project.

The 2018 session at the University of Liege will be specifically dedicated to Open science and Open access projects

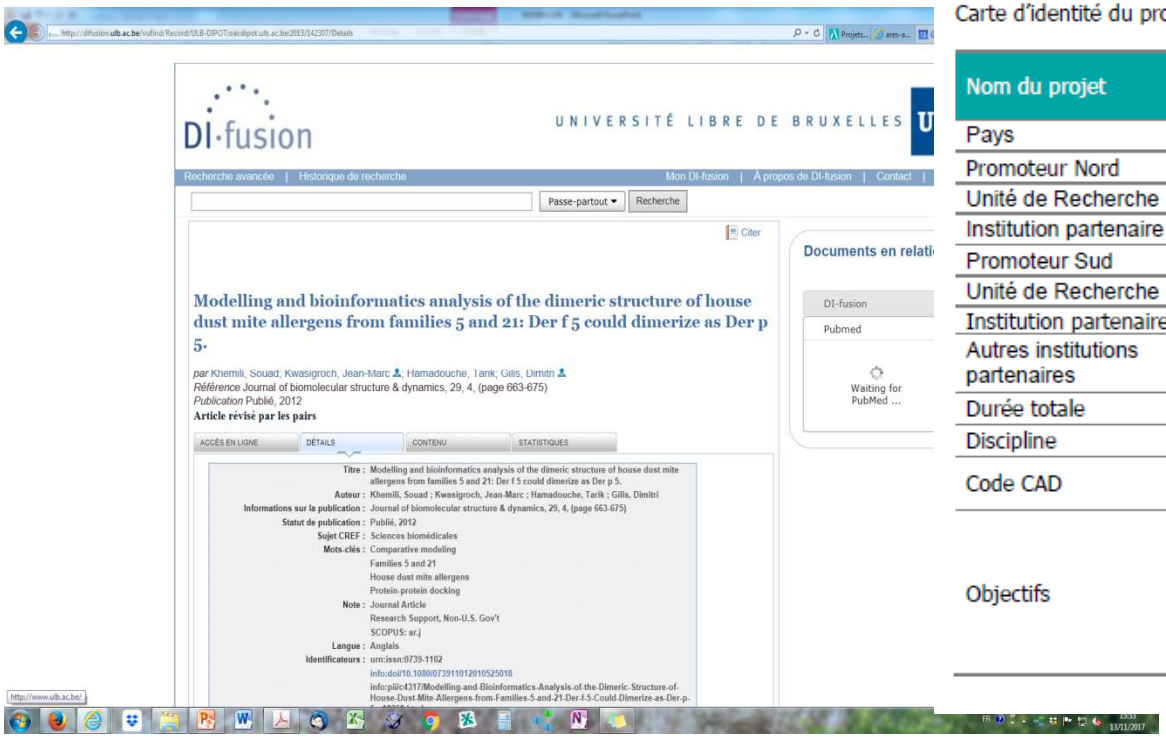


Promotion of the deposit in Be IR of research papers and data

Deposit, RDM

ARES ACADÉMIE DE RECHERCHE ET D'ENSEIGNEMENT SUPÉRIEUR

60 projects of multidisciplinary and collaborative research or courses focused on development or innovation :
https://www.ares-ac.be/images/prd-pfs/rapports/ARES-PRD_Rapport-de-resultats-des-programmes-2008-2009.pdf



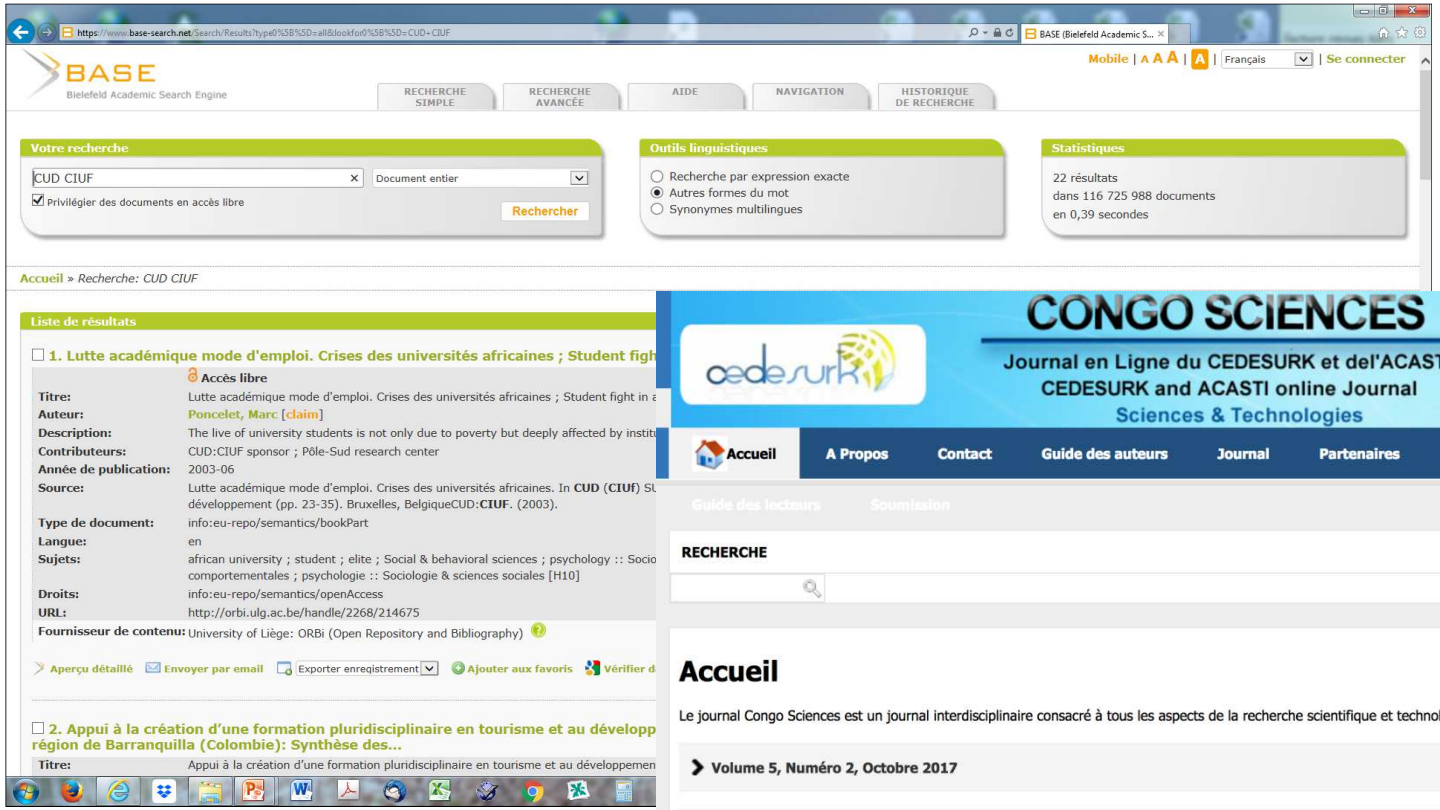
En savoir plus

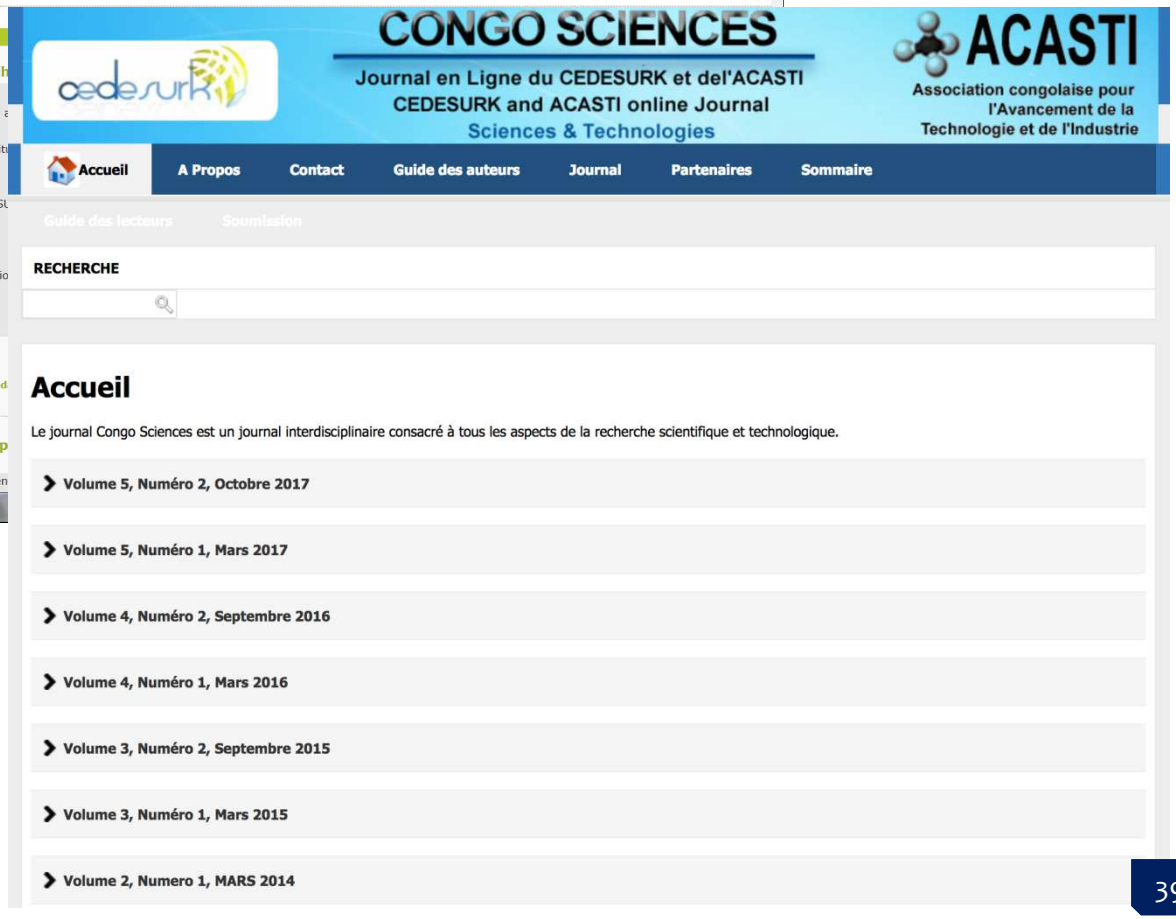
Khemili S., Kwasigroch J.M., Hamagrouche T. & Gilis D. Modelling and bioinformatics analysis of the dimeric structure of house dust mite allergens from families 5 and 21: Der f 5 could dimerize as Der p 5. J. Biomol.Struct.Dyn., 29 (2012)663-675
DOI: 10.1080/073911012010525018

Carte d'identité du projet

Nom du projet	Création d'un pôle de compétence en biologie moléculaire et biotechnologie à l'université de Boumerdès
Pays	Algérie
Promoteur Nord	Dimitri Gilis
Unité de Recherche	Unité de Bioinformatique génomique et structurale
Institution partenaire Nord	Université Libre de Bruxelles
Promoteur Sud	Aïcha Refoufi
Unité de Recherche	Département de Biologie, Faculté des Sciences
Institution partenaire Sud	Université M´Hamed Bougara de Boumerdès
Autres institutions partenaires	ULg, Institut Pasteur (Algérie), Direction de la Santé et de la population de la Wilaya de Boumerdès, CHU Mustapha Bacha
Durée totale	5 ans (1/09/2008 – 31/08/2013)
Discipline	Sciences appliquées et sciences de la santé
Code CAD	43081 (Éducation et formation plurisectorielles) – 43082 (Institutions scientifiques et de recherche)
Objectifs	Améliorer la formation dans le domaine de la biologie moléculaire et des biotechnologies à l'université de Boumerdès et ainsi renforcer les compétences recherchées entre autres par le secteur pharmaceutique, le secteur biomédical et les services de santé, le secteur agro-alimentaire ou la police scientifique

Deposit, RDM


BASE
Bielefeld Academic Search Engine
RECHERCHE SIMPLE
RECHERCHE AVANCÉE
AIDE
NAVIGATION
HISTORIQUE DE RECHERCHE
Votre recherche
CUD CIUF
Document entier
Privilégier des documents en accès libre
Rechercher
Outils linguistiques
Recherche par expression exacte
Autres formes du mot
Synonymes multilingues
Statistiques
22 résultats
dans 116 725 988 documents
en 0,39 secondes
Accueil » Recherche: CUD CIUF
Liste de résultats
1. Lutte académique mode d'emploi. Crises des universités africaines ; Student figh
Accès libre
Titre:
Auteur:
Description:
Contributeurs:
Année de publication:
Source:
Type de document:
Langue:
Sujets:
Droits:
URL:
Fournisseur de contenu:
Aperçu détaillé
Envoyer par email
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Le journal Congo Sciences est un journal interdisciplinaire consacré à tous les aspects de la recherche scientifique et technologique.
Volume 5, Numéro 2, Octobre 2017
Volume 5, Numéro 1, Mars 2017
Volume 4, Numéro 2, Septembre 2016
Volume 4, Numéro 1, Mars 2016
Volume 3, Numéro 2, Septembre 2015
Volume 3, Numéro 1, Mars 2015
Volume 2, Numero 1, MARS 2014

The main problems, *we have to overcome,* to promote the use of Open Access

1. the lack of qualified human resources and IT skill
2. the weight of habits and traditions in the use of documentary resources
3. the lack of power grid stability and Internet bandwidth too low
4. the fear of teachers that they are no longer alone in possessing knowledge
5. the power games and the bad governance
6. the poor quality of the information flows between librarians and users
7. the misunderstanding of the digital world and digital libraries
8. the poor understanding of the copyright rules

…

But … the collaboration between our libraries and libraries of developing countries allows nevertheless to building **bridges** connecting peoples, cultures, education and research practices, … and with the Open science culture of today, the passage on this bridge is more and more free and easy



Thank you for your attention

Frédéric Brodkom
Library manager

UCL Université catholique de Louvain
BST - Bibliothèque et learning center des sciences et technologies
1348 Louvain-la-Neuve, Belgique

frederic.brodkom@uclouvain.be
http://www.uclouvain.be/bst

Bernard Pochet
Library Manager

Université de Liège
BSA - Bibliothèque des sciences agronomiques
5030 Gembloux, Belgique

bernard.pochet@uliege.be
http://lib.olg.ac.bez/libraries/bsa

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… and thank you Aysa, Lars, Jan, Stein, Leif, Lene for this organisation