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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.

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







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 and technologies New building since sept.-2014

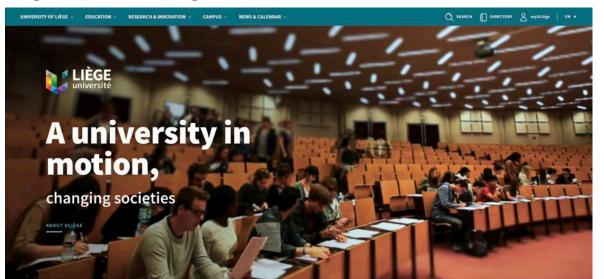






Université de Liège

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





iniversité



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













U Liège Library – The library as a service !



Five sub-libraries :



Then years of Open Access :



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

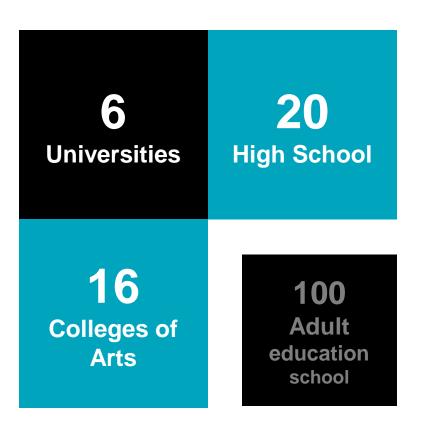




NRES

ACADÉMIE DE RECHERCHE ET D'ENSEIGNEMENT SUPÉRIEUR

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



- » 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)





The ARES-CCD approach





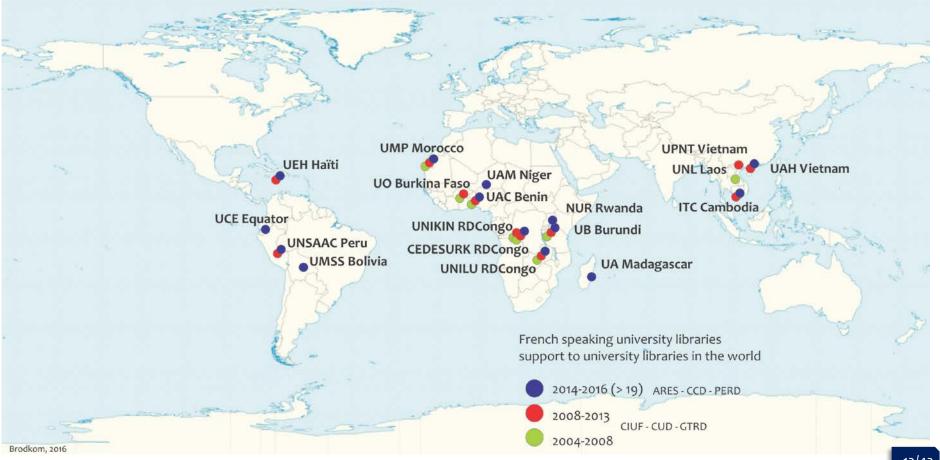
ACADÉMIE DE RECHERCHE ET D'ENSEIGNEMENT SUPÉRIEUR







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 **mo**
- 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)	
BAC	MASTER	DOC		



The budget :

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

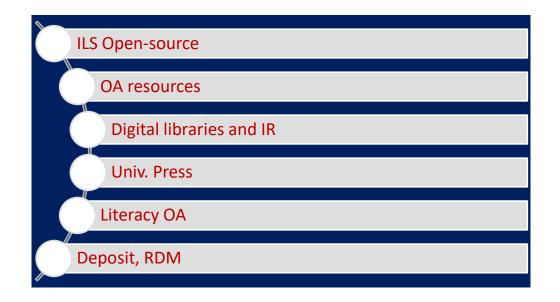
Investment budget	> Computers, scanner, photocopiers, > Shelves, tables, chairs, > Small infrastructures : group rooms, reception desk,
Operating budget	 > Books (included expedition if purchased in Belgium) > Stationery, toner cartridge, pre-payment cards for cellular, > Learning sessions : lunch, location 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 their information literacy courses
- Promotion of the deposit of the research papers and results of cooperation programs in IRs



UCL

Université catholique de Louvain 

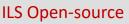
Installation, development and support of Open source ILS



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 :

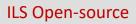
- to identify which one of them will be the best suited to the needs and means (*particularly in human resources and capabilities*) of the university libraries in partnership with our cooperation.
- to develop the skill of some of our librarians (*because we use commercial ILS in our universities*) in order to ensure the sustainability of the implementation of free ILS in the partner libraries.

Two products have been selected :











version 17.05.01 of KOHA on Debian 8.7 CEDESURK RD Congo UAC Benin UA Madagascar UB Burundi UNIKIN RD Congo UNSAAC Peru

> Libol : UAH Vietnam ABC : UMSS Bolivia

• • •



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

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	ILS Open-source
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Auteur Darwin Editeur	
Mots-clés :	aux moins 1 mots
Cote Source TOUT LE CATALOGUE recherche	RELATION ALUNIVERSITE ABOOT MOUMOUNI (RIDUAM)
	Accueil Calendrier Actualités BIBLIOTHÉQUES UAM Nous trouver
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http://www.bibliotheque-uam.net/pmb/opac_css/?database=bibliothwqbase

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



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.

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	Categories-lecteur-Parametrage.docx	2017-07-27 11:31	6 membres			d' L'encodage À l'INTENTION DES BIBLIOTHECAIRES DE
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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/list/			f f
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luction Ressources Site de la CUD			
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ArXiv Ask Source			
BBF (Bulletin des bibliothèques de France) Bielefelld Academic Search Engine Bioline International BioMed Central			
CCIAR			

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



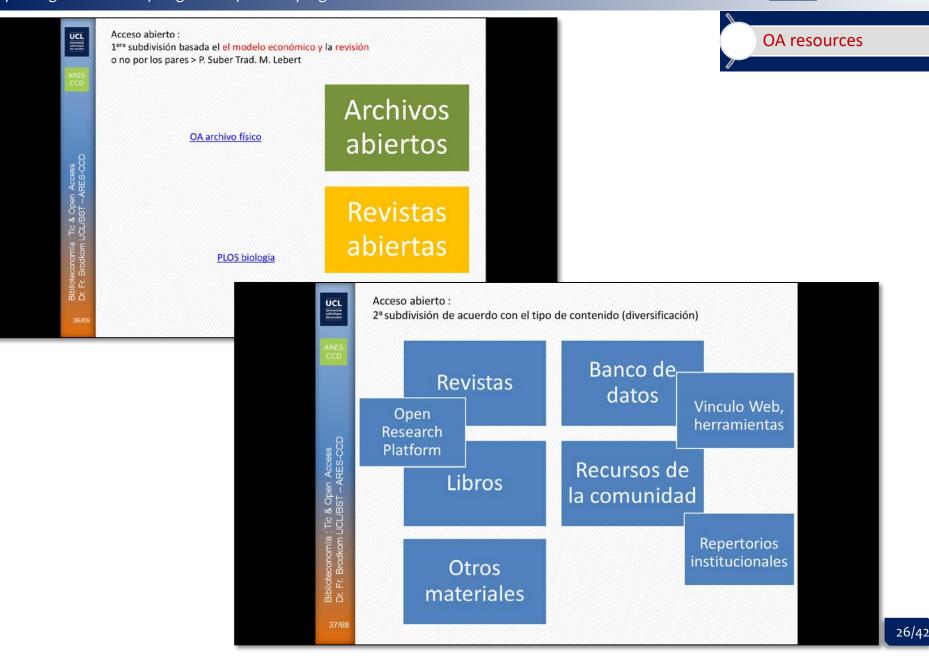
OA resources

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

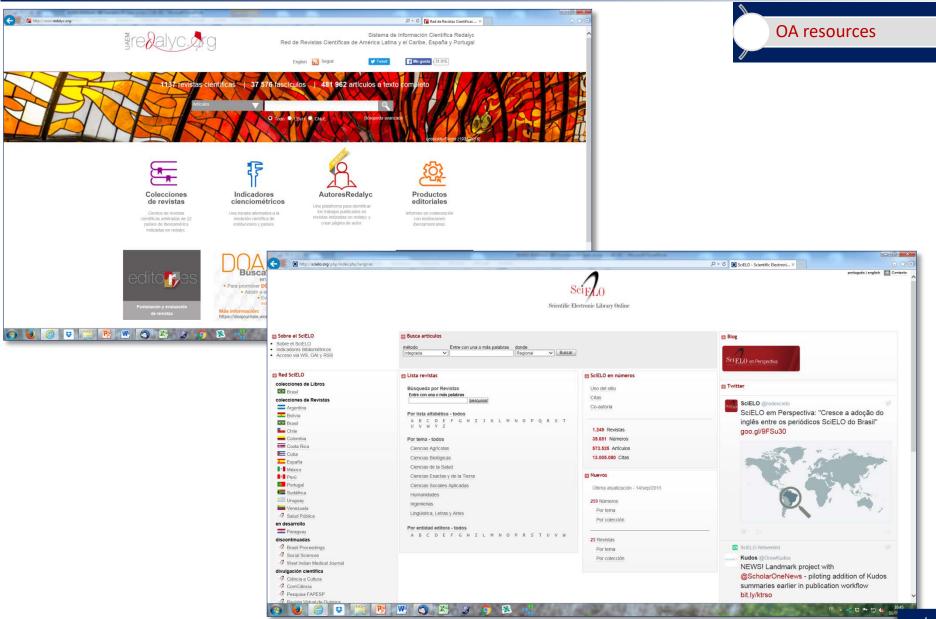
0 ,D + C 🕘 WHO | Hinari Eligibility 24 中文 English Français Русский Español -inari Search **Hinari Eligibility** Hinari Hinari em Português About Hinari Treinamento Hinari Core Offer includes two groups of countries, areas, or territories (Group A and Group B) Hinari Novos procedimentos para Access the content login (4 Julho, 2017) Local, not-for-profit institutions in two groups of countries, areas, or territories pdf, 487kb may register for access to the publications through the Core Offer of Hinari. The country lists are based on five factors: Total GNI (World Bank figures), Partners GNI per capita (World Bank figures), United Nations Least Developed Country (LDCs) List, Human Development Index (HDI) and Healthy Life **Contact Hinari** Training materials Expectancy (HALE). World Health Organization Hinari **Promoting Hinari** 20, Avenue Appia CH-1211 Geneva 27 Contributions - Details about the criteria by which countries, areas, or territories are categorized Switzerland for the core offer Fax: +41 22 791 4150 hinari@who.int · Eligible categories of institutions are: national universities, professional schools (medicine, nursing, pharmacy, public health, dentistry), research institutes, teaching hospitals and healthcare centers, government offices, national medical libraries and local non-governmental organizations. All staff members and students are entitled to access the information resources. · If your institution is in a Group A (free access) country, area, or territory, then Hinari is free. If your institution is in a Group B (low-cost access) country, area, or territory, Hinari costs US\$ 1500 per institution per calendar year (from January through December). All eligible institutions registering from Group B countries, areas, or territories will receive a six month trial without payment. If your institution is in a Group B (low-cost access) country, area, or territory, and cannot or chooses not to pay the annual fee, the institution will still be eligible for free access to a small number of information resources. - Free Access in Group B countries, areas and territories for some information resources 🖸 Core Offer countries, areas and territories FR 😧 🖉 🐂 📬 🎁 🎁 🚺 14:00 Ψ. Pa W L (3) X * N.

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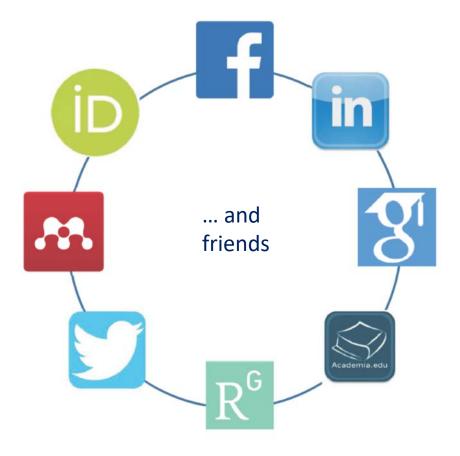






OA resources

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





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

OA resources

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, SIDA Sweden, ...



Dig. Lib and local IR

Development of policies to develop Institutional Repositories

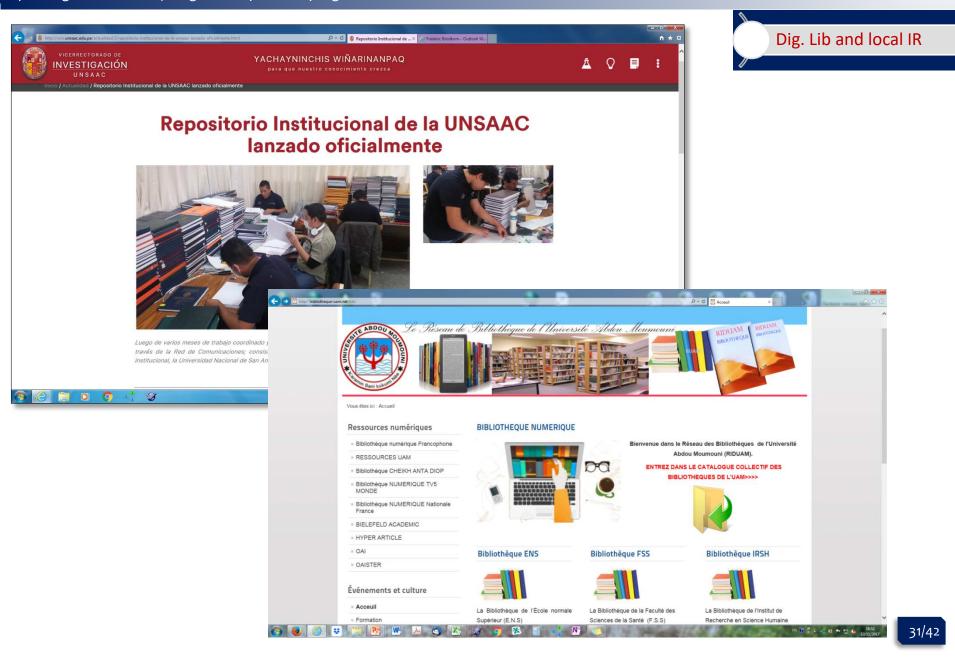
Development of Institutional repositories :

- 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)











Support to the development of University press



Activities :

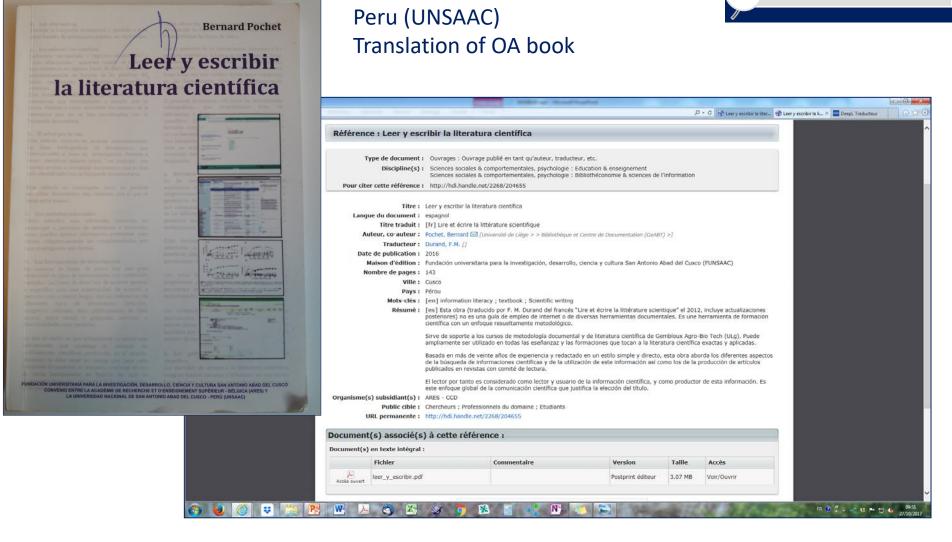
Financial support to creation of University press (equipment, offices, staff, ...) S/N missions of designers, executives, commercials in our universities Budget for material and equipment Contribution to publishing costs (translation, etc.)

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

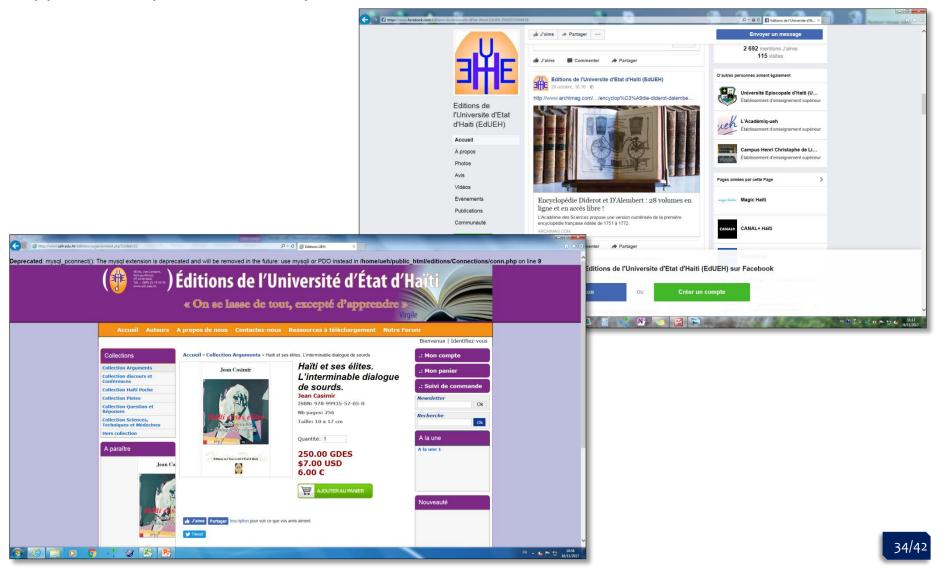


http://hdl.handle.net/2268/204655



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)

Univ. Press

RECHERCHE ET PUBLICATION EN RDC

3 K P

Le CEDESURK, les ateliers d'écriture scientifique pour jeunes chercheurs et la création de la revue *Congo Sciences*



De la documentation à la publication, le CEDESURK élargit son champ d'action et encourage les chercheurs congolais à publier les résultats de leurs recherches. En organisant chaque année plusieurs ateliers de rédaction scientifique à l'attention des jeunes chercheurs des universités et des centres de recherche du pays et en initiant un projet de revue scientifique interuniversitaire, la bibliothèque participe à la relance d'un programme de publication et d'édition universitaires.



Literacy OA

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

NRES

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

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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



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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

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



Facebook.com/UCLBST

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

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