

Open Access to Electronic Documentation at Lyon 1 University

A comparative and disciplinary approach

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Introduction

- The community of scientists and librarians formalized the main principles of OA in the Declaration of Budapest on February 14, 2002, followed by Bethesda and Berlin.
- The Budapest Open Access Initiative (BOAI) encourages researchers and university institutions to use the two additional ways that are archiving servers and open access journals.

Introduction 2

- But the social appropriation of these principles is not immediate and varies from one country to the other, from one institution to the other, from one discipline to the other
- France is characterized by an important delay and the absence of directives of the concerned ministries.

2006, year of the change

- However in March, 2006 a draft agreement for an approach coordinated at the national level of the open archiving of the scientific production was signed between public research agencies, the Conference of University Presidents (CPU), the “Conference des Grandes Ecoles” and the Institut Pasteur.
- The University of Lyon 2 signed in April, 2006 the Berlin Declaration.

The HAL structure of the CCSD

France is characterized by the existence of a single, centralized archive: HAL.

<http://hal.ccsd.cnrs.fr>

The first realizations are coming out:

- HAL-INSERM for biomedical research
- HAL-INRIA for data processing
- HAL-SHS for Human and Society Sciences

Each university can offer a personalized sight of its scientific production.

The University Claude Bernard LYON 1

LYON 1:

- a scientific and medical multidisciplinary university
- 102 units of research
- 3,500 persons including 2,000 teachers and researchers and 1,300 doctoral students
- in 2005 it welcomed over 29,000 students.

The university library proposes

- access to data bases for over 25 years
- access to the collections of electronic newspapers began in 2000
- in 2005 the SCD had subscriptions to 7,516 charged titles of electronic periodicals (1,513 paper titles),
- it represented a budget of about 1 million €

Use of the electronic library

- nearly 860,000 downloading from the collections of periodicals (progress of 25 % with regard to 2004)
- about 110,000 requests in databases according to incomplete statistics supplied by publishers and producers
- the swing from paper documents to electronic began with the arrival of ScienceDirect which covers at present more than 50 % of uses

We can note an intense use of electronic resources

The website of the university library

- lists available resources
- however, it can be noted that it is never made explicitly reference to Open Access
- the annual report 2005 of the library does not mention these resources and uses and the Claude Bernard University has not policy in this respect yet

A survey

To explore usage of OA and electronic documentation, we propose an electronic survey.

Characteristics of the interviewed population 1

- the survey based on a questionnaire was conducted in February and March, 2006.
- the interviewed people : a population of 2,000 teachers and researchers and 490 doctoral students
- all of them received a mail containing the link pointing at the questionnaire under electronic form including fifty-four questions.

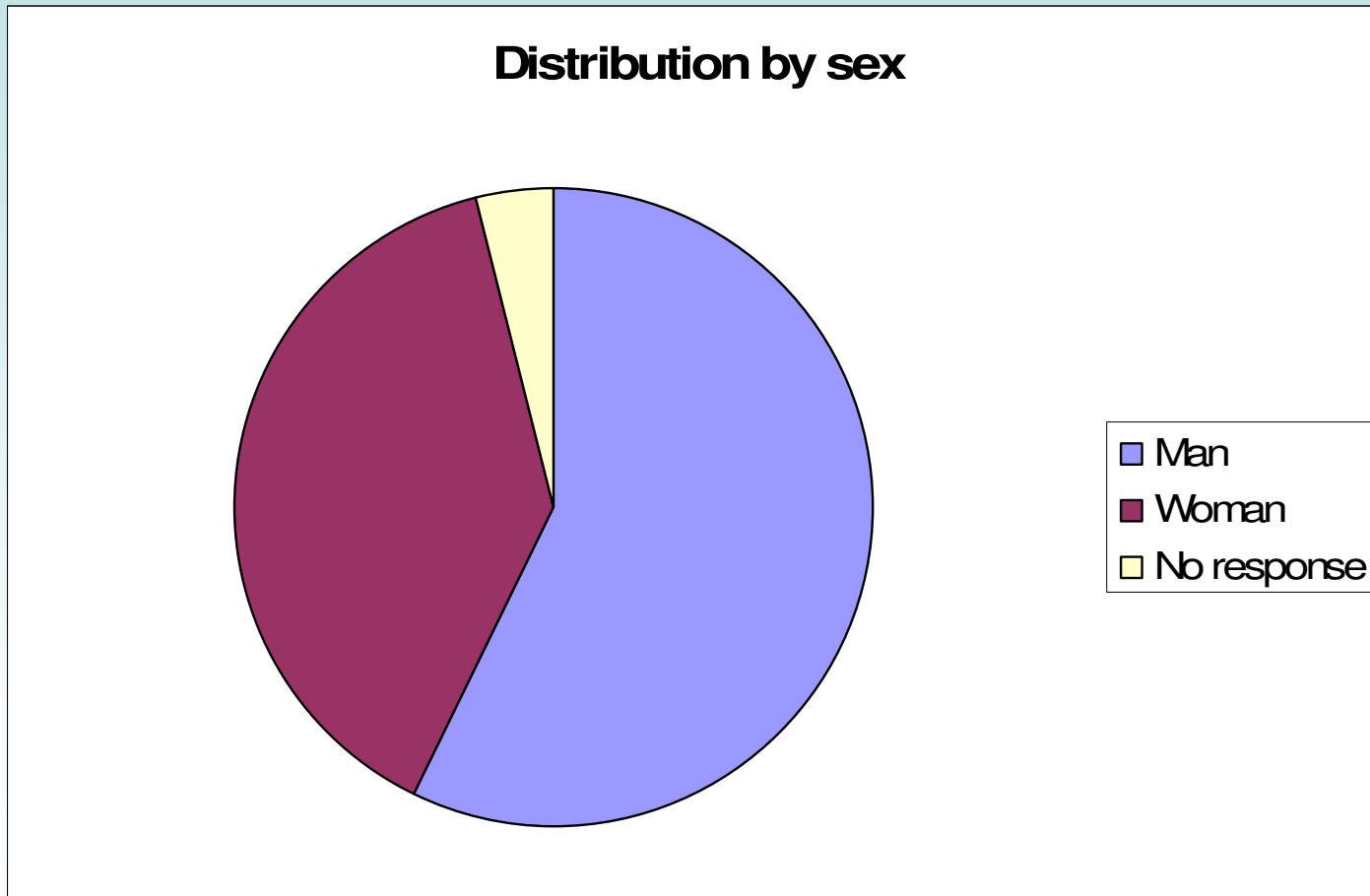
Characteristics of the interviewed population 2

- we registered 390 answers,
- a sample of 15.6 %
- 52 % of the interviewed people were in Sciences
- 46.5 % in Health
- 26 % are teachers and researchers,
- 27 % are hospital-academics
- 35 % are doctoral students

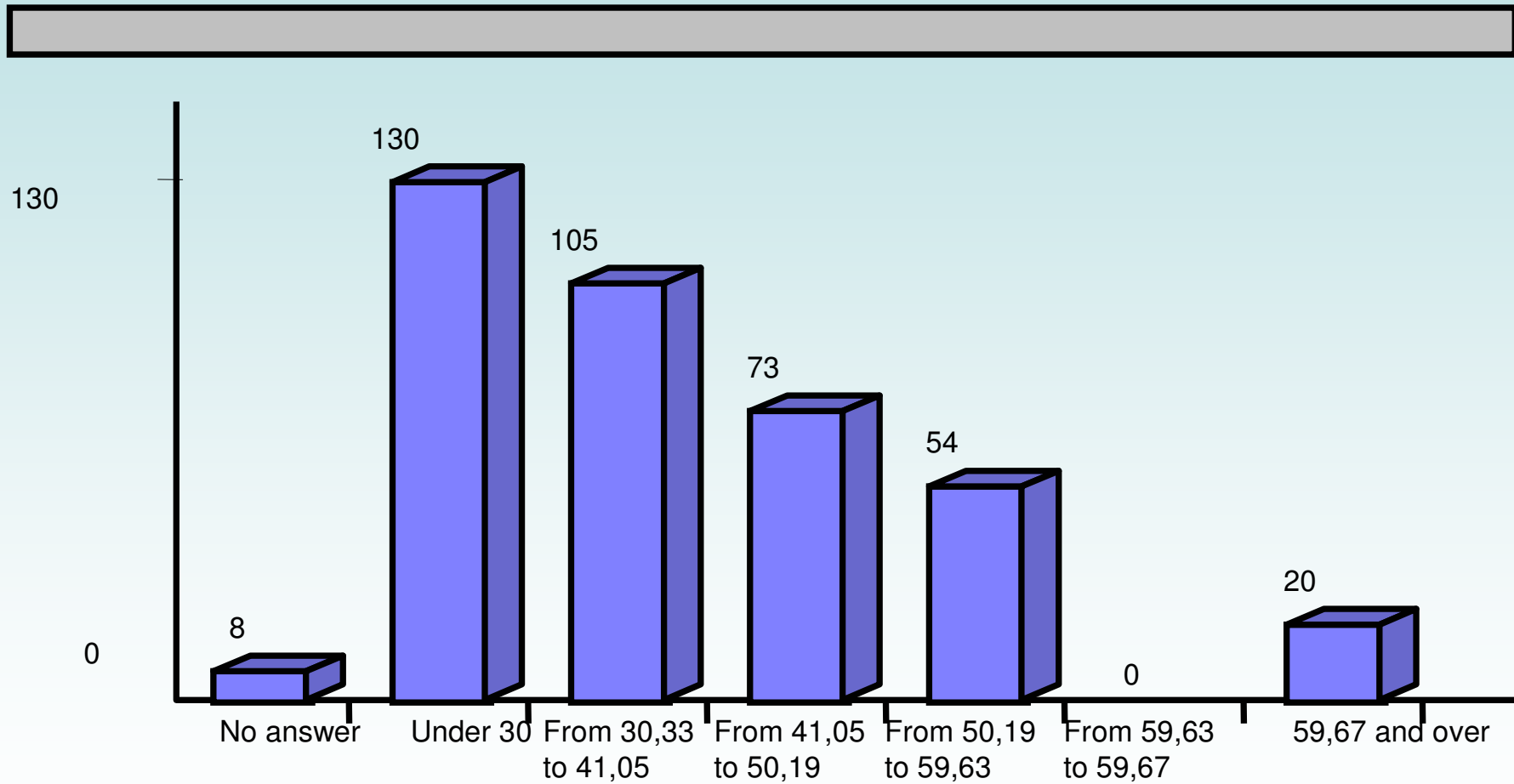
Profession

Profession 1	Nb. cit.	Freq.
No answer	37	9,5%
Teacher-researcher Lyon1	101	25,9%
Doctoral student Lyon1	136	34,9%
Researcher outside Lyon1	12	3,1%
Hospital-academic Lyon1	104	26,7%
TOTAL OBS.	390	100%

Distribution by sex



Age



Moment in the research

Moment in the research	Nb. cit.	Freq.
No answer	41	10,5%
At the beginning	103	26,4%
In the middle	184	47,2%
At the end	62	15,9%
TOTAL OBS.	390	100%

Place of the library in the uses of electronic resources

Is the library always the place of the information retrieval?

Lyon 1 has 2 principal libraries : La Doua and Rochefeller

Which library?

Library	Nb. cit.	Freq.
No answer	75	19,2%
La Doua	147	37,7%
Rockefeller	145	37,2%
Both	23	5,9%
TOTAL OBS.	390	100%

Frequentation of libraries

Frequentation	Nb. cit.	Freq.
No answer	10	2,6%
Everyday	1	0,3%
Once a week	17	4,4%
Several times a week	12	3,1%
Once a month	51	13,1%
Several times a month	196	50,3%
Never	103	26,4%
TOTAL OBS.	390	100%

What is done at the library?

Activity at the library	Nb. cit.	Freq.
No answer	103	26,4%
Working there with your documents	12	3,1%
Consulting paper documents	195	50,0%
Borrowing paper documents	119	30,5%
Consulting the computer catalogue of the library	29	7,4%
Using the website of the library	18	4,6%
Using other resources of the library	15	3,8%
Inter-library loan (PIB)	70	17,9%
Other	14	3,6%
TOTAL OBS.	390	

The websites consulted

Which website	Nb. cit.	Freq.
No answer	8	2,1%
Website of the library	118	30,3%
Other sites on University Lyon 1 web	58	14,9%
Other sites	206	52,8%
TOTAL OBS.	390	100%

Confirmed researchers

What to search	Nb. cit.	Freq.
No answer	13	3,3%
You know where to find the information or the document without going through the library	192	49,2%
You let yourself be guided by the headings of the site of the library	46	11,8%
You use search engines	238	61,0%
You go just as you happen to discover things	24	6,2%
TOTAL OBS.	390	
		22

Research time budget

Time per session	Nb. cit.	Freq.
No answer	6	1,5%
Less than 3 minutes	8	2,1%
Between 4 and 15 mns	104	26,7%
Half an hour	153	39,2%
One hour	75	19,2%
Over an hour	44	11,3%
TOTAL OBS.	390	100%

Finding what they are searching

Control search doc	Nb. cit.	Freq.
No answer	4	1,0%
All the time	33	8,5%
Most of the time	322	82,6%
Sometimes	26	6,7%
Rarely	5	1,3%
TOTAL OBS.	390	100%

What is consulted?

Consulted bases	Nb. cit.	Freq.
No answer	10	2,6%
Specialized databases	271	69,5%
Bookmark bases	14	3,6%
Lists of periodicals	259	66,4%
Open archives	66	16,9%
No, I don't consult any electronic resources	5	1,3%
TOTAL OBS.	390	

The service of the library: DB

Available DB	Nb. cit.	Freq.
No answer	89	22,8%
Yes	214	54,9%
No	87	22,3%
TOTAL OBS.	390	100%

The service of the library: bookmarks

Available Bookmarks	Nb. cit.	Freq.
No answer	244	62,6%
Yes	74	19,0%
No	72	18,5%
TOTAL OBS.	390	100%

The service of the library: list of periodicals

List of periodicals	Nb. cit.	Freq.
No answer	79	20,3%
Yes	249	63,8%
No	62	15,9%
TOTAL OBS.	390	100%

A-to-Z service

a-to-z	Nb. cit.	Freq.
No answer	11	2,8%
YES	208	53,3%
NO	171	43,8%
TOTAL OBS.	390	100%

Language of questioning

Language of questioning	Nb. cit.	Freq.
No answer	3	0,8%
French	63	16,2%
English	206	52,8%
French and English at the same time	181	46,4%
Other European language	10	2,6%
Other language	2	0,5%
TOTAL OBS.	390	

Specialized search engines

Search engines	Nb. cit.	Freq.
No answer	107	27,4%
Google Scholar http://scholar.google.com	172	44,1%
SCIRUS http://www.scirus.com	24	6,2%
Cismef http://www.cismef.org	13	3,3%
Other	145	37,2%
TOTAL OBS.	390	

Searched documents

Nature of digital document	Nb. cit.	Freq.
No answer	7	1,8%
Articles of Journals	376	96,4%
Some paragraphs from books	68	17,4%
Some courses	158	40,5%
Some oral presentations	82	21,0%
Some theses or university dissertations	133	34,1%
Some information in forum	20	5,1%
Some images and video sequences	86	22,1%
Other digital documents	21	5,4%
TOTAL OBS.	390	

CROSSING DISCIPLINE-ARCHIVING SERVERS

Uses of open archives	No answer	You save the document on your storing support	Consult documents on screen only	You print part of the article	You print the whole article	TOTAL
Discipline						
No answer	1,3% (1)	1,1% (1)	0,6% (1)	1,5% (1)	1,3% (2)	0,8% (6)
Biology	8,0% (6)	29,7% (27)	26,7% (47)	23,1% (15)	38,1% (61)	24,4% (156)
Chemistry	18,7% (14)	14,3% (13)	10,8% (19)	12,3% (8)	11,3% (18)	14,1% (72)
Mathematics	1,3% (1)	1,1% (1)	1,7% (3)	4,6% (3)	0,6% (1)	1,3% (9)
Medicine	46,7% (35)	33,0% (30)	34,7% (61)	29,2% (19)	30,6% (49)	36,9% (194)
Pharmacy	5,3% (4)	3,3% (3)	4,0% (7)	10,8% (7)	3,1% (5)	4,6% (26)
Physics	5,3% (4)	6,6% (6)	8,0% (14)	7,7% (5)	5,0% (8)	5,9% (37)
Earth & Universe Sciences	1,3% (1)	2,2% (2)	2,3% (4)	1,5% (1)	0,6% (1)	1,8% (9)
Sports	0,0% (0)	1,1% (1)	0,0% (0)	1,5% (1)	0,0% (0)	0,3% (2)
Other	12,0% (9)	7,7% (7)	11,4% (20)	7,7% (5)	9,4% (15)	10,0% (56)
TOTAL	100% (75)	100% (91)	100% (176)	100% (65)	100% (160)	100% (567)

Crossing discipline and nature of searched document

Nature digital doc	No answer	Articles of journals	Paragraphs of books	Courses	Oral presentations	Theses or university dissertations	Information in forum	Images and video sequences	Other digital documents	TOTAL
Discipline										
No answer	0,0% (0)	0,8% (3)	2,9% (2)	1,3% (2)	2,4% (2)	0,8% (1)	5,0% (1)	2,3% (2)	0,0% (0)	0,8% (13)
Biology	0,0% (0)	25,0% (94)	25,0% (17)	24,7% (39)	18,3% (15)	32,3% (43)	45,0% (9)	26,7% (23)	33,3% (7)	24,4% (247)
Chemistry	14,3% (1)	14,4% (54)	14,7% (10)	13,9% (22)	8,5% (7)	9,8% (13)	10,0% (2)	4,7% (4)	9,5% (2)	14,1% (115)
Mathematics	14,3% (1)	0,8% (3)	2,9% (2)	1,9% (3)	1,2% (1)	0,8% (1)	0,0% (0)	0,0% (0)	4,8% (1)	1,3% (12)
Medicine	28,6% (2)	37,5% (141)	29,4% (20)	29,7% (47)	39,0% (32)	20,3% (27)	25,0% (5)	1,9% (36)	14,3% (3)	36,9% (313)
Pharmacy	14,3% (1)	4,3% (16)	5,9% (4)	4,4% (7)	6,1% (5)	4,5% (6)	0,0% (0)	4,7% (4)	0,0% (0)	4,6% (43)
Physics	0,0% (0)	6,1% (23)	5,9% (4)	8,2% (13)	6,1% (5)	12,0% (16)	5,0% (1)	5,8% (5)	4,8% (1)	5,9% (68)
Earth & Universe Sciences	14,3% (1)	1,6% (6)	2,9% (2)	3,2% (5)	2,4% (2)	3,0% (4)	0,0% (0)	3,5% (3)	0,0% (0)	1,8% (23)
Sports	0,0% (0)	0,3% (1)	0,0% (0)	0,0% (0)	0,0% (0)	0,8% (1)	0,0% (0)	0,0% (0)	0,0% (0)	0,3% (2)
Other	14,3% (1)	9,3% (35)	10,3% (7)	12,7% (20)	15,9% (13)	15,8% (21)	10,0% (2)	10,5% (9)	33,3% (7)	10,0% (115)
TOTAL	100% (7)	100% (376)	100% (68)	100% (158)	100% (82)	100% (133)	100% (20)	100% (86)	100% (21)	100% (951)

Free nature

Pref resources	Nb. cit.	Freq.
No answer	16	4,1%
Free	365	93,6%
Charged	16	4,1%
TOTAL OBS.	390	

Frequency of consultation of open archive servers

Freq OS	Nb. cit.	Freq.
No answer	45	11,5%
everyday	57	14,6%
Once a week	88	22,6%
Several times a week	58	14,9%
Once a month	39	10,0%
Several times a month	13	3,3%
More rarely	34	8,7%
never	56	14,4%
TOTAL OBS.	390	100%

RSS and warning systems

RSS	Nb. cit.	Freq.
No answer	16	4,1%
Yes	125	32,1%
No	249	63,8%
TOTAL OBS.	390	100%

Expertise of researchers

Import ref	Nb. cit.	Freq.
No answer	33	8,5%
Text processing	210	53,8%
Specialized software (EndNote)	116	29,7%
Other	31	7,9%
TOTAL OBS.	390	100%

Emergence of new uses

Open archives uses	Nb. cit.	Freq.
No answer	75	19,2%
Consult documents on screen only	91	23,3%
You save the document on your storing support	176	45,1%
You print part of the article	65	16,7%
You print the whole article	160	41,0%
TOTAL OBS.	390	

Researchers who know the titles of periodicals in AO

Titles of periodicals	Nb. cit.	Freq.
No answer	48	12,3%
Yes	61	15,6%
No	281	72,1%
TOTAL OBS.	390	100%

Researchers who have already published on an AO Server

Knowledge OS	Nb. cit.	Freq.
No answer	19	4,9%
Yes	44	11,3%
No	327	83,8%
TOTAL OBS.	390	100%

How?

Pre or post print	Nb. cit.	Freq.
No answer	333	85,4%
Preprint (pre-publication)	28	7,2%
post-print (post-publication)	29	7,4%
TOTAL OBS.	390	100%

Those who paid

Payment	Nb. cit.	Freq.
No answer	25	6,4%
Yes	85	21,8%
No	280	71,8%
TOTAL OBS.	390	100%

Proposals for the library

- To communicate around new services (ex: A-to-Z)
- To integrate and indicate multimedia supports
- To indicate free sources and resources
- To integrate some sources of information little or not indicated so far such as conferences, congress, forums etc.
- To build a real « open archives » service in:
 - Devoting a special part to open archives on the website of both libraries in:
 - Integrating relevant sources for every discipline (disciplinary distribution!!!)
 - Indicating these sources in a visible way
 - Creating a forum of exchange within the university around these uses