Analyzing the contents of GOOGLE SCHOLAR, WOS, GeoRef and FRANCIS for Physical and Human Geography

Simona STIRBU - Library of Sciences and Technologies, Geography Section- University of Liege, Belgium

Ninfa GRECO - Library of Sciences and Technologies, University of Liege, Belgium

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QQML 2011 Athens

ANALYZING DATABASES:

Presentation of researches/databases

Keywords

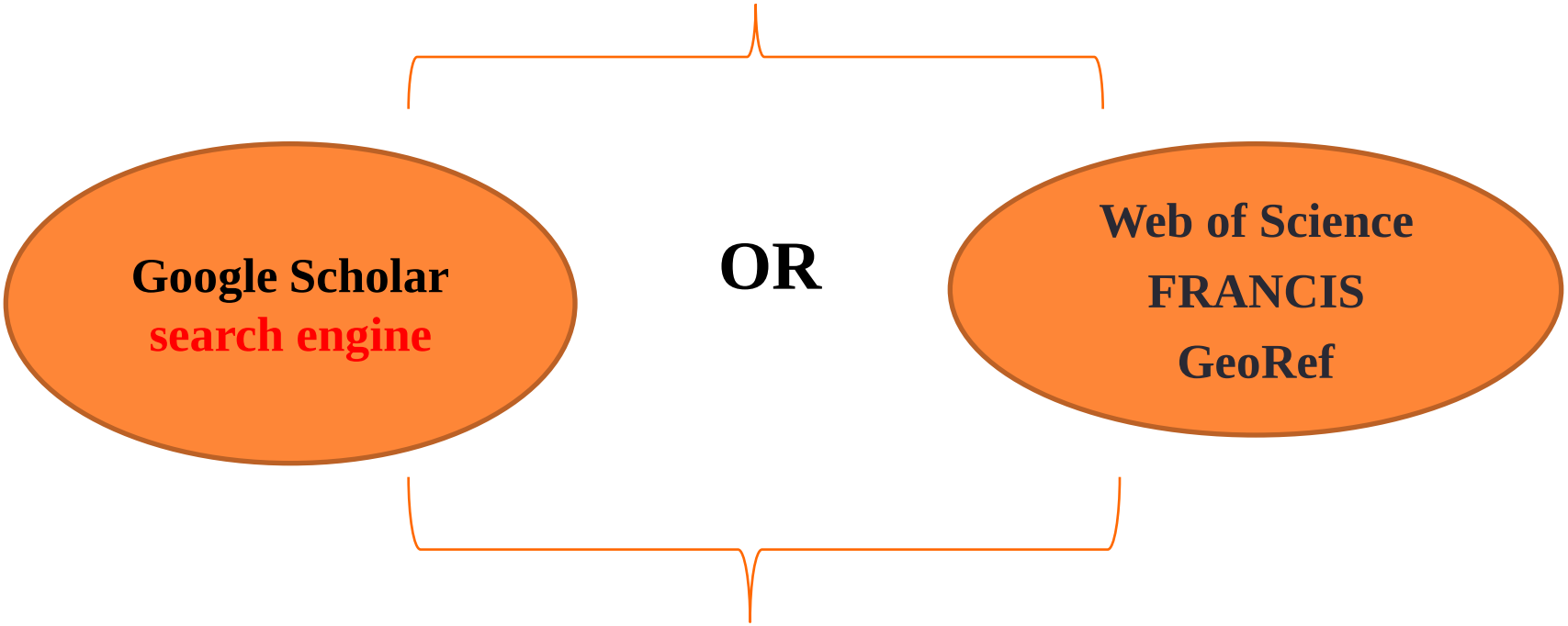
Contents, evolution, and duplicates

Conclusions

Future analysis

Questions:

SEARCHES regarding exclusively **CONTENTS** **IN :**



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Google Scholar:

Breadth of coverage	Coverage years	Resources	Information Type
500M records	Unknown	peer-reviewed papers, theses, books, abstracts and articles, from academic publishers, professional societies, preprint repositories, universities and other scholarly organizations	Citations Abstracts Full Text

Source: http://scholar.google.com/intl/en/scholar/about.html

	Web of Science	FRANCIS	GeoRef
Breadth of coverage	40 million records 10,000 titles Journals (240 open access) & conference papers	2.5 million records(journal articles, books, conference proceedings, dissertations, and reports)	3 million records (3,500 journals, books, maps, government reports, conference papers, theses and dissertations)
Coverage years	A&HCI: 1975-present SCI: 1900-present SSCI: 1956-present	1972-present	1933-present 1669- present(for North America)
Source	http://isiwebofknowledge.com/currentuser_wokhome/cu_productspecs/	http://support.ebsco.com/help/?int=ehost&lang=en&feature_id=Databases&TOC_ID=Always&SI=0&BU=0&GU=1&PS=0&ver=live&dbs=,fcs	http://support.ebsco.com/help/?int=ehost&lang=en&feature_id=Databases&TOC_ID=Always&SI=0&BU=0&GU=1&PS=0&ver=live&dbs=,geh

KEYWORDS identically repeated

in the TITLE field

month by month(11/2010 to 05/2011) for the years **2005 to 2009!**

Physical Geography :

"flood "
"erosion "
"earthquake
"tsunami "
"sedimentation "

Human Geography :

"urbanization "
"immigration "
"transportation "
"tourism "
"gentrification "

RESULTS

databases CONTENTS /RESULTS

possible evolution of GS

"FLOOD"	2005	2006	2007	2008	2009
"Google Scholar"	2180	2200	2190	2230	2580
WOS	315	320	329	395	465
GeoRef	228	222	216	187	156
FRANCIS	24	16	19	14	11
"EARTHQUAKE"	2005	2006	2007	2008	2009
Google Scholar	3490	3890	3020	4340	4280
WOS	636	689	547	681	862
GeoRef	1269	1857	1168	1142	625
FRANCIS	21	16	10	13	16
"EROSION"	2005	2006	2007	2008	2009
Google Scholar	2540	2730	2640	2560	2560
WOS	607	573	616	707	731
GeoRef	486	456	387	407	348
FRANCIS	65	68	61	53	43
"SEDIMENTATION"	2005	2006	2007	2008	2009
Google Scholar	889	883	822	841	745
WOS	282	274	293	292	255
GeoRef	303	279	226	261	120
FRANCIS	13	7	9	3	6
"TSUNAMI"	2005	2006	2007	2008	2009
Google Scholar	1980	1480	1100	1100	936
WOS	388	327	263	256	241
GeoRef	253	328	387	188	113
FRANCIS	19	16	19	19	15

CONCRETE EXAMPLES:

Physical Geography

↓

"flood"

↓

no. of references

raises continuously

> 1000

Human Geography

↓

"urbanization"

↓

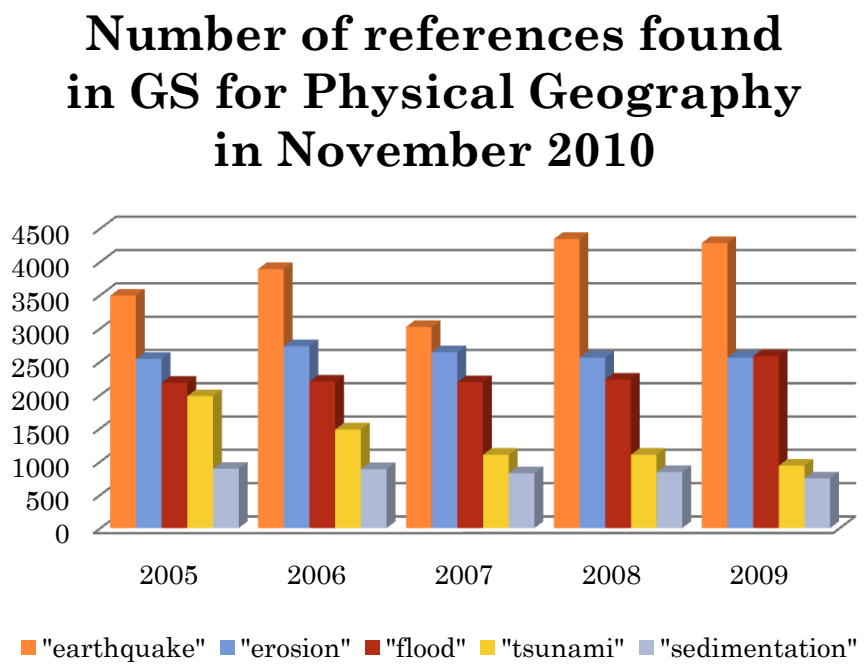
no. of references

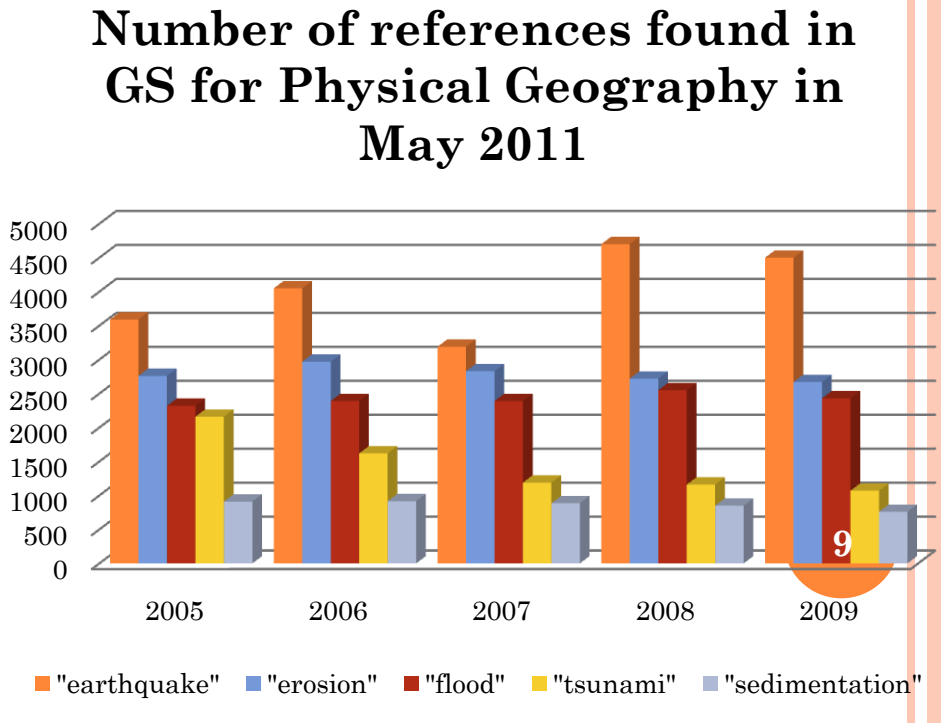
is variable

<1000

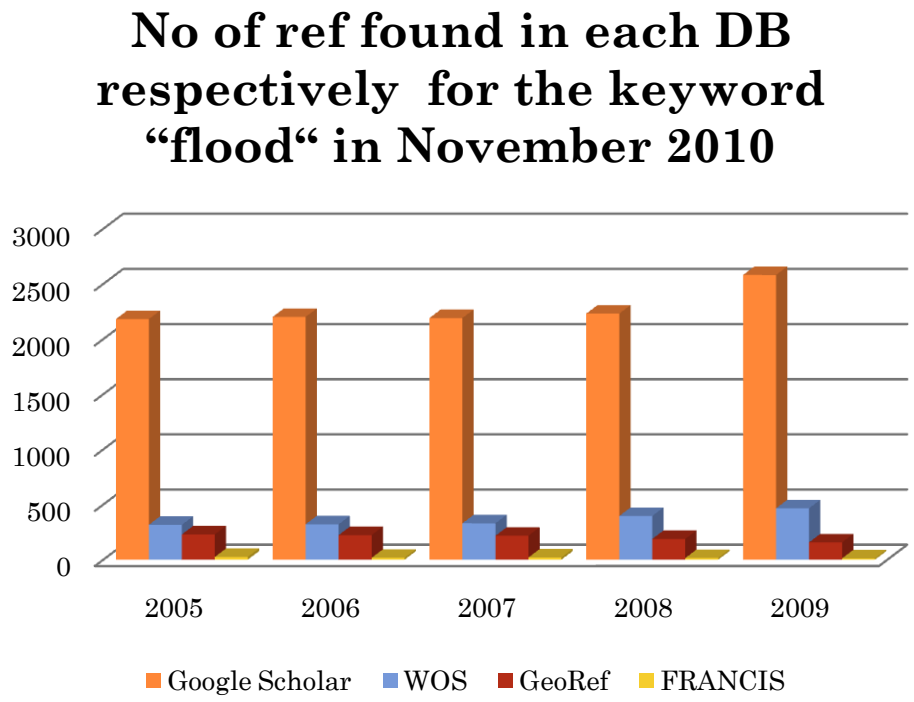
duplicate percentage???

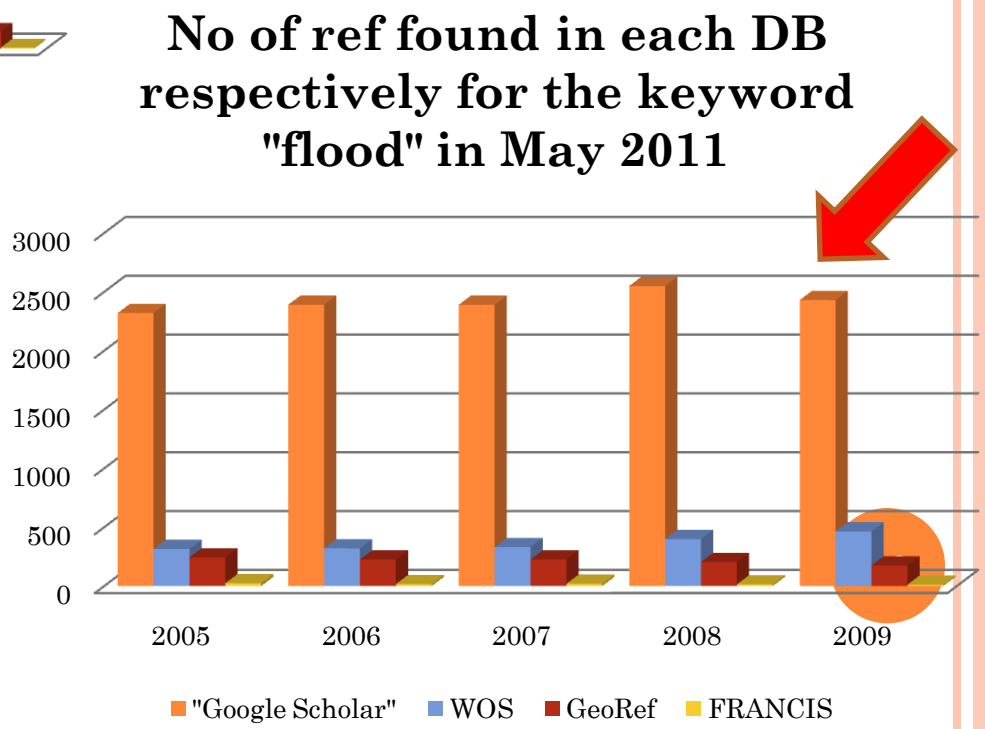
RESULTS IN GS - PHYSICAL GEOGRAPHY:



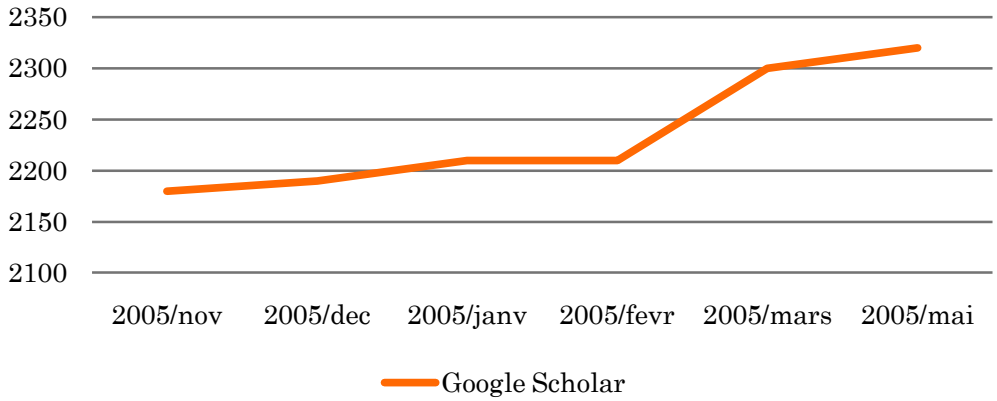


An illustration of the Evolution 2005 to 2009

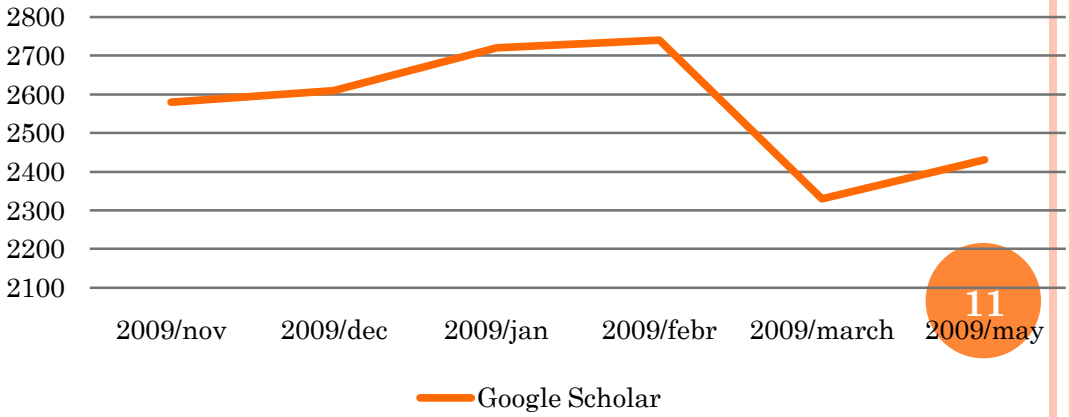




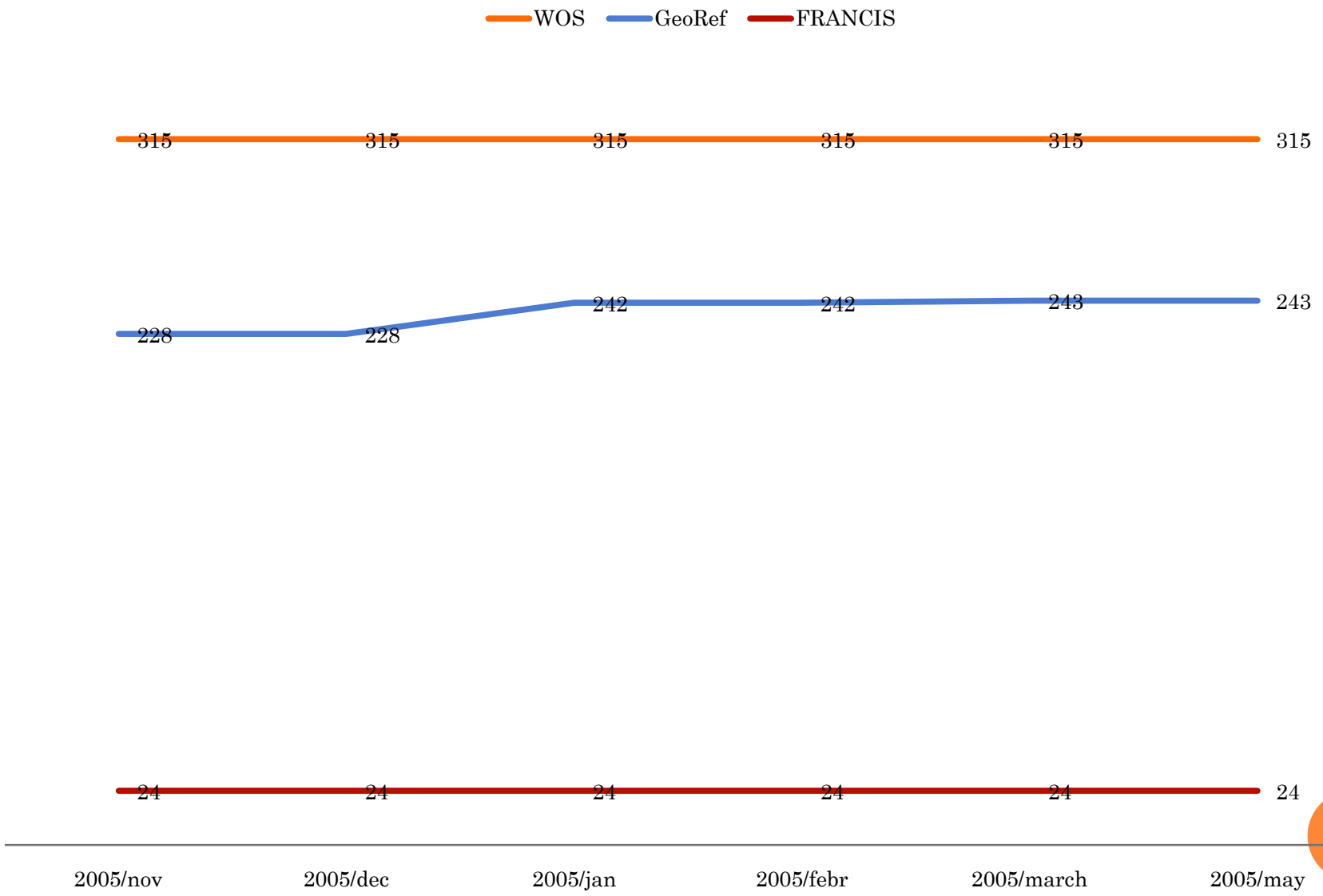
Evolution of the no. of ref. for “flood” – 2005 in GS from Nov to May



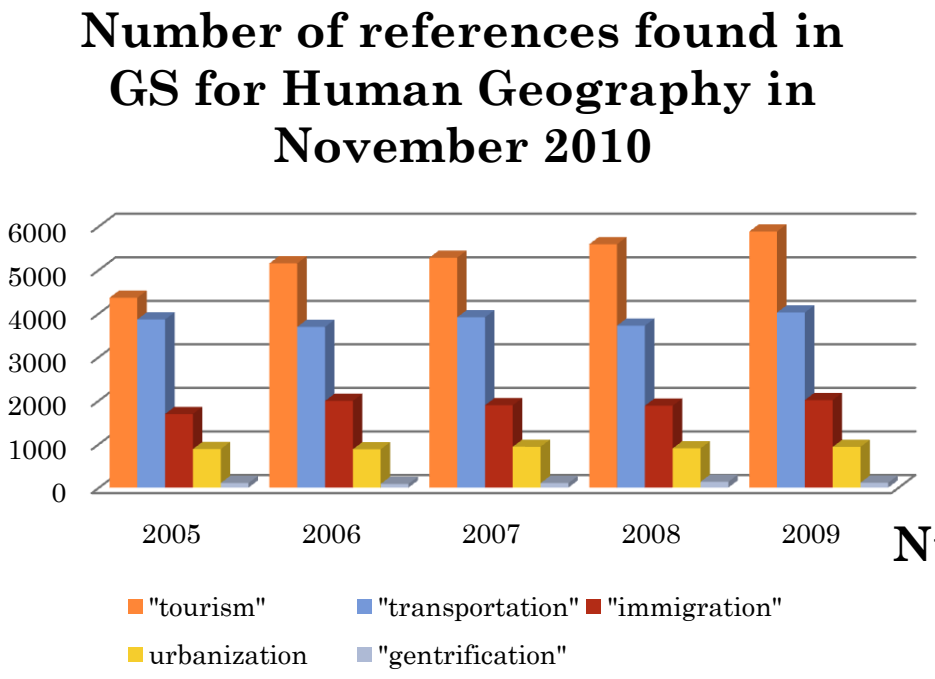
Evolution of the no. of ref. for "flood" - 2009 in GS from Nov to May

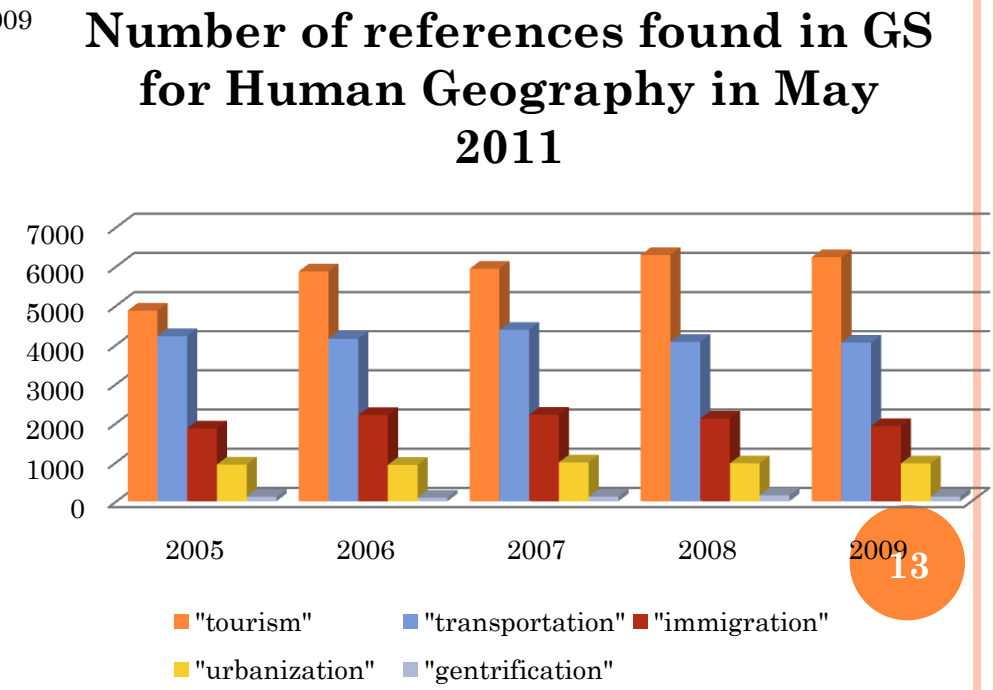


Number of references for the keyword "flood" in WOS, Francis and GeoRef

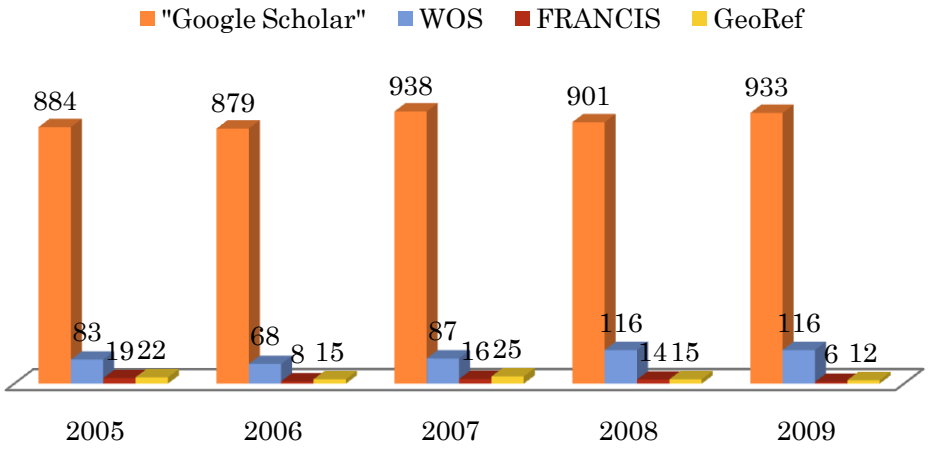


RESULTS IN GS - HUMAN GEOGRAPHY:

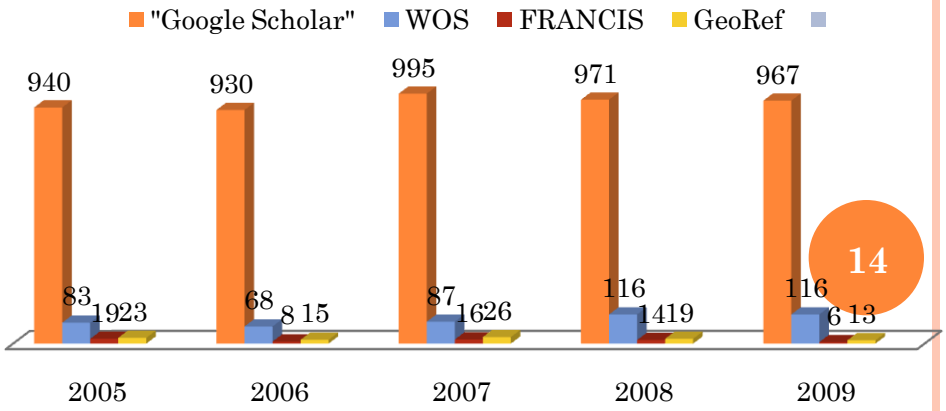




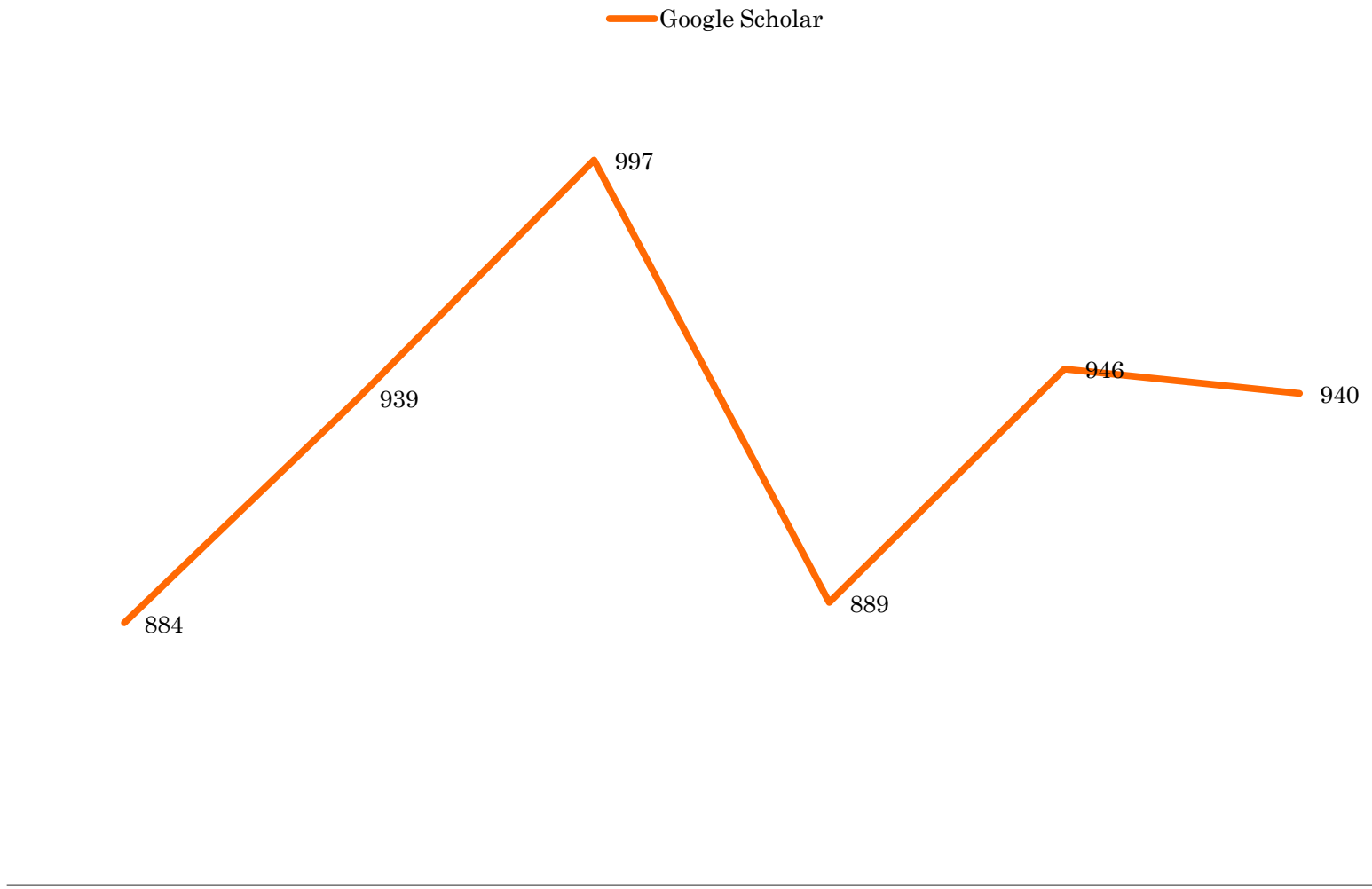
Number of references found in each BD respectively for the keyword « urbanization »in Nov 2010



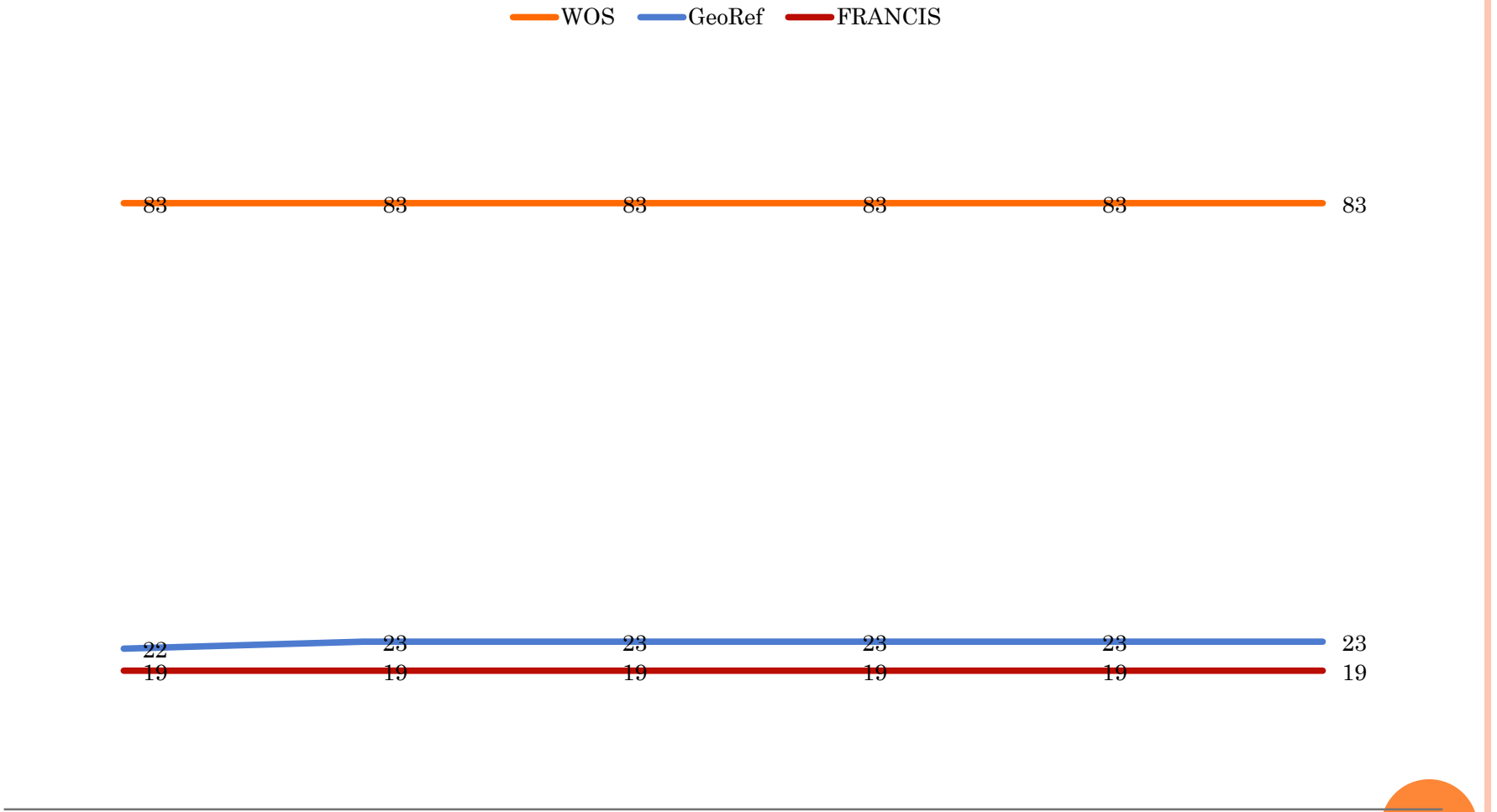
Number of references found in each DB respectively for the keyword "urbanization" in May 2011



"Evolution" of the no of ref for the keyword "urbanization“ – 2005 in GS from Nov to May



Number of references for the keyword "urbanization“ in WOS, GeoRef and FRANCIS



PHYSICAL GEOGRAPHY - REFERENCES FROM WOS, GEOREF, FRANCIS FOUND IN GS FOR THE YEAR 2005 – DUPLICATES

"flood"

Tot. no of ref	**Duplicates**		**Percentage**
WOS(315)	201		63%
Georef (243)	99	GS(2350/**1000**)	40%
FRANCIS(24)	17		70%

HUMAN GEOGRAPHY - REFERENCES FROM WOS, GEOREF, FRANCIS FOUND IN GS FOR THE YEAR 2005 – DUPLICATES

"urbanization"

Tot. no of ref	Duplicates		Percentage
WOS (83)	65		78%
GeoRef (24)	18	GS (946)	68%
FRANCIS(19)	13		75%

FINDINGS:

GS useful search engine **BUT**:

- no. of ref. reduced to **1000** for certain keywords

- ref. of GS are not the versions of bibliogr. DB **BUT** present., books, conf. papers, citations...

- advanced search, export and duplicate detection, limited;

Conclusion & findings

- results conform to the specificity of the DB

- both domains of geography are well represented

- geographers could use GS as a complementary tool for their bibliographic research

- to find grey literature;

QUESTIONS FOR MY FUTURE STUDIES:

- HOW/DO geographers use the literature found in DB → active bibliographical research with one geographer/field on an actual research?

- Percentage of grey literature in GS? Is this literature used(reports, conf. presentations, etc) by geographers?

- Human or Physical Geography better represented by GS?

Thank you for your attention!

Contact: Simona.Stirbu@ulg.ac.ce
N.Greco@ulg.ac.ce